सत्यमेव जयते

STATISTICS OF MINES IN INDIA VOLUME - II (NON-COAL) 2013

खान सुरक्षा महानिदेशालय

DIRECTORATE - GENERAL OF MINES SAFETY

श्रम एवं रोजगार मंत्रालय

MINISTRY OF LABOUR & EMPLOYMENT

भारत सरकार

GOVERNMENT OF INDIA

STATISTICS OF MINES IN INDIA

VOLUME-II (NON-COAL)

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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 2013 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 अर्न्तगत प्राप्त विवरणों पर आधारित है।

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 2013 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।

चूकि अधिकांश धातु उत्पादक खानें असंगठित क्षेत्र में है 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 आशा है कि यह खंड धातु एवं तेल खनन उद्योग से परोक्ष या अपरोक्ष रूप से जुड़े सभी व्यक्तियों के लिए लाभकारी होगा।

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

नवम्बर, 2015
धनबाद।

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 2013 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, 2013. 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.

November, 2015
Dhanbad

(Rahul Guha)
Director General of Mines Safety

DIRECTORATE GENERAL OF MINES SAFETY

Shri Rahul Guha
Director General

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Deputy Director General

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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, 2013.

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 2013, annual returns have been processed for 2318 returns of non-coal mines out of which 88 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 2013.

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.

Content

Notes: 1. Figures of Andhara Pradesh available in state-wise tables includes that of the state Telangana also. The state Telengana was not formed during 2013.

2. Statements where the word "trend" is not mentioned in the heading relate to the year 2013 only.

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

Notes: 1. Figures of Andhara Pradesh available in state-wise tables includes that of the state Telangana also. The state Telengana was not formed during 2013.

2. Statements where the word "trend" is not mentioned in the heading relate to the year 2013 only.

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

SECTION – I

EMPLOYMENT AND OUTPUT

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

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
Bauxite	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
	2011	94	--	5,805	954	6,759	13,697	5,626
	2012	115		6,305	1,123	7,428	16,808	7,124
	2013	122	--	5,822	1,080	6,902	19,377	7,753
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	2899	3,944	3,480
	2011	5	1,825	250	1,203	3,278	3,655	3,759
	2012	6	2,099	229	1,454	3,782	3,437	3,770
	2013	6	2,084	218	1,434	3,736	3,890	4,722
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	1,983	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	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2013	13	2,348	--	2,142	4,490	7,867	20,471
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
	2013	5	1,699	--	1,703	3,402	695,889	3,152
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
	2013	251	--	9,673	2,695	12,368	3608	19,747
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	41781	235,763	141,769
	2008	292	--	25,970	18,958	44,828	230,638	181,739
	2009	309	--	27,729	19,471	47,200	231,021	202,950
	2010	327	12	26,803	20,496	47,311	256,302	221,220
	2011	342	--	28,882	23,775	52,657	252,173	258,055
	2012	362	--	29,998	25,292	55,290	250,106	263,969
	2013	367	--	27,571	25,362	52,933	224,171	229,793
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

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

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	1981	262	--	41,032	8,738	49,770	32,555	733
	1991	340	--	34,293	9,229	43,522	75,024	3,872
	2000	452	--	22,704	8,424	31,128	148,804	12,046
	2001	422	--	18,294	5,982	24,276	147,345	11,356
	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
	2013	556	--	25,870	7,837	33,707	4,41,140	65,390
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
	2013	139	2,651	8,572	6,221	17,444	7,338	18,021
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
	2013	31	240	151	187	578	9,714	120
Stone	1961	113	--	4,208	4,316	8,524	1,679	10

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

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	1971	163	--	5,463	3,318	8,781	3,808	31
	1981	174	--	4,493	3,207	7,700	4,105	81
	1991	228	--	8,273	2,970	11,243	11,635	490
	2000	206	--	4,236	2,171	6,407	15,620	970
	2001	209	--	4,208	2,082	6,290	15,151	1,031
	2002	209	--	4,837	2,964	7,801	14,863	1,066
	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
	2013	187	--	5,284	2,207	7,491	41,931	3,477
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
	1981	1,768	29,289	135,450	57,158	221,897	--	3,620
	1991	1,787	23,832	116,743	59,658	200,233	--	19,076
	2000	2,022	14,398	91,443	51,071	156,912	--	53,111
	2001	1,907	10,959	80,672	45,010	136,641	--	54,032
	2002	1,870	10,266	83,183	43,489	136,938	--	64,964
	2003	1,716	7,742	84,261	44,965	136,968	--	77,605
	2004	1,764	8,061	89,165	46,318	143,544	--	104,283
	2005	1,835	7,911	88,686	44,320	1,40,917	--	133,418
	2006	1,720	7,814	88,673	46,885	1,43,372	--	162,160
	2007	1,770	8,539	94,934	48,250	1,51,723	--	235,351
	2008	1,904	9,088	97,233	49,766	1,56,087	--	289,354
	2009	1,927	8,251	100,056	51,820	1,60,127	--	325,454
	2010	1,961	9,031	101,083	52,683	162,797	--	366,829
	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
	2013	2,230	10,372	109,327	65,655	185,354	--	423,740
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

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

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2007	49	--	--	19,211	19,211	14,307	233,350
							7,612(GS)	23,594
	2008	67	--	--	23,574	23,574	14,703	258,856
							12,788(GS)	35,434
	2009	75	--	--	24,895	24,895	17,534	306,800
							15,454(GS)	44,851
	2010	82	--	--	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
	2012	86	--	--	22,798	22,798	17,678	492,060
							19,394(GS)	103,181
	2013	88	--	--	25,971	25,971	19,319	565,656
							13,925(GS)	88,152
Non-coal	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
	2013	2,318	10,372	109,327	91,626	211,325	--	107,7548

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 2013 : STATE-DISTRICT WISE

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT						CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. APATITE & ROCK PHOSPHATE															
	ANDHRA PRADESH														
	Vishakapatnam	1	1	1	27	--	12	39	32	7	--	--	--	3765	7831
	MADHYA PRADESH														
	Jhabua	1	--	--	--	149	14	163	110	53	--	--	--	Nil	Nil
	Tikamgarh	1	1	--	--	39	3	42	26	16	--	--	--	11004	21556
	TOTAL : MADHYA PRADESH	2	1	--	--	188	17	205	136	69	--	--	--	11004	21556
	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	21	97	95	2	--	--	--	Nil	Nil
TOTAL : APATITE & ROCK PHOSPHA		11	9	3	94	1036	711	1841	1745	96	--	550	51	1703691	8542239
2. BARYTES															
	ANDHRA PRADESH														
	Cuddapah	3	2	1	9	378	327	714	585	129	--	354	213	1253806	5058833
														2905 (FN)	9145
	Khammam	1	1	--	--	29	3	32	32	--	--	--	--	5325	2130
	TOTAL : ANDHRA PRADESH	4	3	1	9	407	330	746	617	129	--	354	213	1259131	5060963
														2905 (FN)	9145
	HIMACHAL PRADESH														
	Sirmaur	1	1	1	16	--	--	16	16	--	--	--	--	588	882
	RAJASTHAN														
	Udaipur	1	1	--	--	11	6	17	17	--	--	--	--	5820	2619
TOTAL : BARYTES		6	5	2	25	418	336	779	650	129	--	354	213	1265539	5064464
														2905 (FN)	9145
3. BAUXITE															
	CHHATTISHGARH														
	Raigarh	1	1	--	--	14	2	16	16	--	--	--	--	29500	7818
	Surguja	10	9	--	--	1334	130	1464	1409	55	--	250	5	1471521	774024
	Kabirdham	2	1	--	--	349	29	378	378	--	--	162	--	276055	181092
														113515 (PR)	13668
	TOTAL : CHHATTISHGARH	13	11	--	--	1697	161	1858	1803	55	--	412	5	1777076	962934
														113515 (PR)	13668

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	GUJARAT														
	Jamnagar	22	4	--	--	179	39	218	198	20	--	24	10	998335	241118
	Kutch	15	15	--	--	376	17	393	293	100	--	258	2	931147	716234
TOTAL :	GUJARAT	37	19	--	--	555	56	611	491	120	--	282	12	1929482	957352
	JHARKHAND														
	Gumla	14	9	--	--	1203	108	1311	1310	1	--	423	18	1392833	576487
	Lohardaga	8	6	--	--	504	194	698	697	1	--	399	9	1359299	741250
	Palamau	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	LATEHAR	1	1	--	--	85	4	89	89	--	--	83	2	49404	28717
TOTAL :	JHARKHAND	24	16	--	--	1792	308	2100	2098	2	--	905	29	2801536	1346454
	KARNATAKA														
	Belgaum	1	1	--	--	22	9	31	31	--	--	--	--	62600 (PR)	21910
	Udipi	1	--	--	--	4	5	9	9	--	--	--	--	Nil	Nil
TOTAL :	KARNATAKA	2	1	--	--	26	14	40	40	--	--	--	--	Nil	Nil
														62600 (PR)	21910
	MADHYA PRADESH														
	Chhatarpur	1	--	--	--	27	2	29	19	10	--	--	--	1929	77
	Jabalpur	2	--	--	--	175	8	183	116	67	--	--	--	107685	54745
	Rewa	3	--	--	--	65	--	65	65	--	--	--	--	104555	36241
	Satna	3	--	--	--	41	7	48	42	6	--	--	--	52750	7818
	Katni	2	--	--	--	73	4	77	53	24	--	--	--	14835	632
	Anuppur	2	2	--	--	245	23	268	268	--	--	--	--	285860	85972
TOTAL :	MADHYA PRADESH	13	2	--	--	626	44	670	563	107	--	--	--	567614	185485
	MAHARASHTRA														
	Kolhapur	9	7	--	--	328	47	375	339	36	--	90	22	2511485	357348
														572591 (PR)	94477
	Ratnagiri	4	1	--	--	37	33	70	70	--	--	5	--	649408	282096
														80154 (PR)	21810
	Raigad	9	4	--	--	165	5	170	170	--	--	82	--	533850	120275
TOTAL :	MAHARASHTRA	22	12	--	--	530	85	615	579	36	--	177	22	3694743	759718
														652745 (PR)	116287
	ORISSA														
	Koraput	2	2	--	--	302	377	679	678	1	--	67	223	6373279	2861568
	Sundergarh	2	--	--	--	7	3	10	9	1	--	1	--	Nil	Nil
	Rayagada	1	1	--	--	46	1	47	47	--	--	--	--	1064314	425855
TOTAL :	ORISSA	5	3	--	--	355	381	736	734	2	--	68	223	7437593	3287423

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	TAMIL NADU														
	Salem	2	--	--	--	22	12	34	34	--	--	3	2	323805	97918
	UTTAR PRADESH														
	Jhansi	1	--	--	--	19	1	20	13	7	--	--	--	100	4
	Lalitpur	3	1	--	--	200	18	218	176	42	--	--	--	16597 (PR)	4171
	TOTAL : UTTAR PRADESH	4	1	--	--	219	19	238	189	49	--	--	--	100	4
														16597 (PR)	4171
	TOTAL : BAUXITE	122	65	--	--	5822	1080	6902	6531	371	--	1847	293	18531949	7597287
														845457 (PR)	156036
4.	CALCITE														
	RAJASTHAN														
	Sikar	1	1	--	--	297	98	395	323	72	--	31	--	93695	58317
	Sirohi	1	1	--	--	332	114	446	363	83	--	53	--	125674	66406
	Udaipur	1	1	--	--	6	3	9	9	--	--	3	--	26580	9277
	TOTAL : RAJASTHAN	3	3	--	--	635	215	850	695	155	--	87	--	245949	133999
	TOTAL : CALCITE	3	3	--	--	635	215	850	695	155	--	87	--	245949	133999
5.	CHINA CLAY,CLAY,WHITE-CLAY														
	ANDHRA PRADESH														
	Anantpur	1	--	--	--	21	--	21	21	--	--	--	--	22987	940
	Cuddapah	3	--	--	--	102	1	103	71	32	--	--	--	111005	10220
	Kurnool	1	--	--	--	11	--	11	11	--	--	--	--	6067	608
	Nellore	Employment with Limestone and Quartz												18240	4461
	West Godavari	4	1	--	--	47	3	50	50	--	--	--	--	33170	24380
														36910 (PR)	34
	TOTAL : ANDHRA PRADESH	9	1	--	--	181	4	185	153	32	--	--	--	191469	40609
														36910 (PR)	34
	GUJARAT														
	Amreli	2	1	--	--	9	2	11	11	--	--	--	--	44692	6497
	Banas Kantha	2	--	--	--	36	--	36	36	--	--	--	--	72121	7212
	Kutch	14	--	--	--	240	8	248	248	--	--	65	--	55075	14315
	Mehasana	6	5	--	--	3	48	51	51	--	--	--	2	48055	12612
														14153 (PR)	7141
	Sabar Kantha	2	2	--	--	1	29	30	26	4	--	--	--	94689	51643
														8200 (FN)	6150
														5534 (PR)	9131
	Patan	5	--	--	--	90	--	90	90	--	--	--	--	82320	9435
	TOTAL : GUJARAT	31	8	--	--	379	87	466	462	4	--	65	2	396952	101714
														8200 (FN)	6150
														19687 (PR)	16272

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	HARYANA														
	Gurgaon	2	--	--	--	50	16	66	66	--	--	11	7	86592	4661
	JHARKHAND														
	Sahebganj	3	3	--	--	98	330	428	346	82	--	--	--	75165	7742
														52776 (PR)	9915
	West Singbhum	6	3	--	--	43	98	141	104	37	--	--	--	42122	16063
														9045 (PR)	3967
	TOTAL : JHARKHAND	9	6	--	--	141	428	569	450	119	--	--	--	117287	23806
														61821 (PR)	13883
	KARNATAKA														
	Hassan	1	--	--	--	17	63	80	75	5	--	--	--	16740	9659
	Shimoga	1	--	--	--	1	8	9	9	--	--	--	--	12130	3724
	Tumkur	1	--	--	--	15	2	17	13	4	--	--	--	25860 (PR)	7229
	TOTAL : KARNATAKA	3	--	--	--	33	73	106	97	9	--	--	--	28870	13383
														25860 (PR)	7229
	KERALA														
	Kannur	5	3	--	--	117	210	327	148	179	--	--	--	32418	25725
														2225 (FN)	16997
														1864 (PR)	564
	Trivundrum	4	4	--	--	59	66	125	115	10	--	30	--	453318	68622
	Kollam	2	2	--	--	7	87	94	94	--	--	1	--	23979	3263
	Kasaragod	1	1	--	--	17	34	51	22	29	--	--	--	5897	804
	Thiruvananthapuram	1	--	--	--	5	2	7	7	--	--	--	--	3440	929
	TOTAL : KERALA	13	10	--	--	205	399	604	386	218	--	31	--	519052	99342
														2225 (FN)	16997
														1864 (PR)	564
	ORISSA														
	Mayurbhanj	1	1	--	--	43	16	59	27	32	--	--	--	7341 (PR)	2872
	RAJASTHAN														
	Bikaner	23	3	--	--	305	76	381	370	11	--	--	2	910481	383361
														79289 (PR)	10092
	Jaipur	2	2	--	--	52	16	68	54	14	--	--	--	79340	20042
	Nagaur	1	1	--	--	1	--	1	1	--	--	--	--	3323	1619
	TOTAL : RAJASTHAN	26	6	--	--	358	92	450	425	25	--	--	2	993144	405022
														79289 (PR)	10092
	TAMIL NADU														
	Cuddalore	1	1	--	--	11	3	14	14	--	--	--	--	25760	3916
	WEST BENGAL														
	Birbhum	6	3	--	--	174	160	334	334	--	--	--	--	86734	51525
														18215 (PR)	1730
														18215 (PR)	1730
	TOTAL : CHINA CLAY,CLAY,WHITE-	101	36	--	--	1575	1278	2853	2414	439	--	107	11	2445860	743978
														10425 (FN)	23147
														250987 (PR)	52677

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT						CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
6. CHROMITE															
	KARNATAKA														
	Hassan	4	2	1	66	66	131	263	208	55	--	--	--	5268	15055
	ORISSA														
	Dhenkanal	2	2	--	--	1	197	198	197	1	--	--	--	Nil	Nil
	Keonjhar	4	3	3	748	4	780	1532	1068	464	199	--	264	95076	16762
														84980 (PR)	262248
	Jajpur	17	15	1	66	3244	4859	8169	7877	292	43	1490	2424	1979354	9177644
														408246 (FN)	436290
														195283 (LM)	638186
														300452 (PR)	1244454
	TOTAL : ORISSA	23	20	4	814	3249	5836	9899	9142	757	242	1490	2688	2074430	9194406
														408246 (FN)	436290
														195283 (LM)	638186
														385432 (PR)	1506703
	TOTAL : CHROMITE	27	22	5	880	3315	5967	10162	9350	812	242	1490	2688	2079698	9209461
														408246 (FN)	436290
														195283 (LM)	638186
														385432 (PR)	1506703
7. COPPER															
	JHARKHAND														
	West Singbhum	3	3	3	1187	--	369	1556	1555	1	--	--	--	399887	436351
	MADHYA PRADESH														
	Balaghat	1	1	--	--	218	125	343	343	--	--	--	--	2483954	2406951
	RAJASTHAN														
	Jhunjhunu	2	2	2	897	--	940	1837	1828	9	--	--	--	1006159	1878574
	TOTAL : COPPER	6	6	5	2084	218	1434	3736	3726	10	--	--	--	3890000	4721877
8. DIAMOND															
	MADHYA PRADESH														
	Panna	1	1	--	--	31	70	101	100	1	--	--	--	36514	5111100
	TOTAL : DIAMOND	1	1	--	--	31	70	101	100	1	--	--	--	36514	5111100
9. DOLOMITE															
	ANDHRA PRADESH														
	Anantpur	1	--	--	--	11	--	11	11	--	--	--	--	23814	4438
														20 (PR)	6
	Khammam	1	1	--	--	64	105	169	165	4	--	--	--	549954	332700
	Kurnool	5	2	--	--	239	4	243	243	--	--	--	--	712703	140173
														5900 (FN)	1180
														24388 (LM)	10975
	TOTAL : ANDHRA PRADESH	7	3	--	--	314	109	423	419	4	--	--	--	1286471	477310
														5900 (FN)	1180
														24388 (LM)	10975
														20 (PR)	6

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	CHHATTISHGARH														
	Bilaspur	7	7	--	--	655	523	1178	1117	61	--	196	--	1854204	619409
	Janjgir(champa)	4	3	--	--	151	4	155	132	23	--	--	--	438104	144509
	TOTAL : CHHATTISHGARH	11	10	--	--	806	527	1333	1249	84	--	196	--	2292308	763918
	JHARKHAND														
	Garhwa	1	1	--	--	250	44	294	294	--	--	243	9	276077	214220
	KARNATAKA														
	Belgaum	1	--	--	--	11	1	12	12	--	--	--	--	23892	3345
	Bijapur	1	--	--	--	36	9	45	25	20	--	--	--	47445	24012
	Tumkur	Employment with Limestone												6250	5335
	Bagalkot	7	1	--	--	90	9	99	67	32	--	--	--	302302	62925
	TOTAL : KARNATAKA	9	1	--	--	137	19	156	104	52	--	--	--	379889	95617
	MADHYA PRADESH														
	Balaghat	1	1	--	--	225	--	225	118	107	--	--	--	4050	1483
	Chhindwara	1	--	--	--	16	4	20	20	--	--	--	--	97088	6017
	Mandla	1	--	--	--	12	2	14	12	2	--	--	--	11290	46566
	Katni	2	--	--	--	57	8	65	50	15	--	15	--	31174	342
	TOTAL : MADHYA PRADESH	5	1	--	--	310	14	324	200	124	--	15	--	143602	54407
	MAHARASHTRA														
	Chandrapur	1	1	--	--	13	9	22	22	--	--	11	8	97963 (PR)	27727
	Nagpur	2	1	--	--	17	10	27	22	5	--	--	--	1347	428
	Yavatmal	1	1	--	--	17	4	21	21	--	--	--	--	117775	30358
	TOTAL : MAHARASHTRA	4	3	--	--	47	23	70	65	5	--	11	8	119122	30786
														97963 (PR)	27727
	ORISSA														
	Sundergarh	3	2	--	--	136	142	278	271	7	--	96	99	246551	91131
	RAJASTHAN														
	Banswara	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	Rajsamand	Employment with Limestone and Steatite												88637	53899
	TOTAL : RAJASTHAN	1	--	--	--	--	2	2	2	--	--	--	--	88637	53899
	WEST BENGAL														
	Jalpaiguri	1	--	--	--	--	31	31	31	--	--	--	--	Nil	Nil
	TOTAL : DOLOMITE	42	21	--	--	2000	911	2911	2635	276	--	561	116	4832657	1781290
														5900 (FN)	1180
														24388 (LM)	10975
														97983 (PR)	27733
10.	FELSPAR														
	ANDHRA PRADESH														
	Mahboob Nagar	3	1	--	--	47	6	53	53	--	--	--	--	26798	6971
	Nellore	5	3	1	24	109	15	148	123	25	--	--	--	691561	100909
														31052 (PR)	53061
	TOTAL : ANDHRA PRADESH	8	4	1	24	156	21	201	176	25	--	--	--	718359	107880
														31052 (PR)	53061

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	KARNATAKA														
	Mysore	2	--	--	--	17	9	26	6	20	--	--	--	476	238
	RAJASTHAN														
	Bhilwara	Employment with Mica												21076	5092
	TAMIL NADU														
	Namakkal	Employment with Quartz												24 (PR)	64
	WEST BENGAL														
	Birbhum	1	--	--	--	15	2	17	17	--	--	14	--	668	207
														2708 (LM)	1312
														2708 (LM)	1312
TOTAL : FELSPAR		11	4	1	24	188	32	244	199	45	--	14	--	740579	113418
														2708 (LM)	1312
														31076 (PR)	53125
11. FIRE-CLAY															
	ANDHRA PRADESH														
	East Godavari	2	--	--	--	19	1	20	20	--	--	--	--	3202	311
	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	3	--	--	--	67	13	80	80	--	--	--	--	16698	4208
	Sundergarh	1	--	--	--	20	--	20	20	--	--	--	--	6360	1049
	Bargarh	1	--	--	--	19	--	19	19	--	--	--	--	981	234
TOTAL : ORISSA		6	--	--	--	134	14	148	148	--	--	--	--	24919	6023
	RAJASTHAN														
	Bikaner	9	--	--	--	138	11	149	137	12	--	--	--	474138	51183
	TAMIL NADU														
	Tiruchirapalli	1	--	--	--	11	--	11	2	9	--	--	--	7249	3117
	Perambalur	2	--	--	--	30	--	30	7	23	--	--	--	36810	7101
	Cuddalore	1	--	--	--	43	--	43	43	--	--	--	--	7249	808
TOTAL : TAMIL NADU		4	--	--	--	84	--	84	52	32	--	--	--	51308	11026
	WEST BENGAL														
	Birbhum	Employment with China Clay,clay,white-clay												31181	5862
														5312 (PR)	3835
	Purulia	1	--	--	--	32	2	34	34	--	--	--	--	760	151
TOTAL : WEST BENGAL		1	--	--	--	32	2	34	34	--	--	--	--	31941	6013
														5312 (PR)	3835
TOTAL : FIRE-CLAY		27	--	--	--	501	32	533	473	60	--	18	--	628376	77340
														5312 (PR)	3835

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
12. FLUORITE															
	GUJARAT														
	Vadodara(Baroda)	1	1	--	--	23	3	26	26	--	--	--	--	Nil	Nil
	MAHARASHTRA														
	Chandrapur	1	--	--	--	48	7	55	40	15	--	--	--	3095 (LM)	1832
TOTAL : FLUORITE		2	1	--	--	71	10	81	66	15	--	--	--	Nil	Nil
														3095 (LM)	1832
13. GALENA & SPHALARITE															
	ANDHRA PRADESH														
	Guntur	1	1	1	10	--	30	40	40	--	8	--	30	1079	811
	RAJASTHAN														
	Ajmer	1	1	1	58	--	55	113	113	--	49	--	55	Nil	Nil
	Bhilwara	2	2	2	480	--	662	1142	1142	--	480	--	662	240295	269789
	Udaipur	7	7	4	550	--	467	1017	1005	12	550	--	82	5988732	18549000
	Rajsamand	2	2	2	1250	--	928	2178	2178	--	493	--	640	1624753	1636814
														11848 (PR)	14834
TOTAL : RAJASTHAN		12	12	9	2338	--	2112	4450	4438	12	1572	--	1439	7853780	20455604
														11848 (PR)	14834
TOTAL : GALENA & SPHALARITE		13	13	10	2348	--	2142	4490	4478	12	1580	--	1469	7854859	20456415
														11848 (PR)	14834
14. GARNET															
	ANDHRA PRADESH														
	Srikakulam	2	--	--	--	38	38	76	66	10	--	37	--	156329	14902
														59328 (PR)	620512
														59328 (PR)	620512
	TAMIL NADU														
	Kanyakumari	1	--	--	--	1002	--	1002	1002	--	--	998	--	10949427	336195
	Tirunelveli	4	--	--	--	100	20	120	98	22	--	14	--	284675	365684
TOTAL : TAMIL NADU		5	--	--	--	1102	20	1122	1100	22	--	1012	--	11234102	701878
TOTAL : GARNET		7	--	--	--	1140	58	1198	1166	32	--	1049	--	11390431	716780
														59328 (PR)	620512
15. GOLD															
	JHARKHAND														
	East Singhbhum	1	1	1	36	--	16	52	52	--	--	--	--	5052	22367
	KARNATAKA														
	Raichur	3	2	3	1656	--	1672	3328	3154	174	--	--	--	690837	3129948
	UTTARANCHAL														
	Pithoragarh(left side)	1	1	1	7	--	15	22	22	--	--	--	--	Nil	Nil
TOTAL : GOLD		5	4	5	1699	--	1703	3402	3228	174	--	--	--	695889	3152315

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
16.	GRANITE														
	ANDHRA PRADESH														
	Chittoor	1	1	--	--	99	6	105	105	--	--	--	--	8383	75351
	Guntur	1	1	--	--	20	4	24	24	--	--	--	--	1050	12194
	Karimnagar	5	5	--	--	178	20	198	198	--	--	--	--	20712	137170
														8511 (PR)	14344
	Khammam	1	1	--	--	11	--	11	11	--	--	--	--	307	5400
	Nalgonda	2	2	--	--	24	2	26	26	--	--	--	--	1194	7982
	Prakasham	86	84	--	--	4209	1685	5894	5850	44	--	344	165	1175463	11155930
														37644 (PR)	440950
	Ranga Reddy	1	--	--	--	23	--	23	23	--	--	--	--	1000	6641
	Srikakulam	4	4	--	--	101	24	125	125	--	--	--	--	9970	79872
	Warangal	3	3	--	--	133	12	145	144	1	--	--	--	9141	50634
	TOTAL : ANDHRA PRADESH	104	101	--	--	4798	1753	6551	6506	45	--	344	165	1227220	11531175
														46155 (PR)	455294
	GOA														
	North Goa	1	1	--	--	13	8	21	21	--	--	4	4	29858	8925
	South Goa	1	--	--	--	67	1	68	68	--	--	64	--	131125	20319
	TOTAL : GOA	2	1	--	--	80	9	89	89	--	--	68	4	160983	29244
	KARNATAKA														
	Bangalore	2	1	--	--	28	2	30	29	1	--	--	--	463	3120
	Belgaum	1	--	--	--	56	--	56	54	2	--	--	--	Nil	Nil
	Bellary	2	2	--	--	30	--	30	30	--	--	--	--	2795	27217
	Bijapur	4	4	--	--	485	103	588	578	10	--	--	--	41077	1049833
	Gulbarga	1	1	--	--	80	9	89	89	--	--	--	--	Nil	Nil
	Hassan	3	1	--	--	46	10	56	54	2	--	--	--	708	3652
	Mandya	1	--	--	--	12	4	16	16	--	--	9	--	923	27336
	Mysore	2	--	--	--	21	2	23	23	--	--	--	--	296	1094
	Raichur	2	2	--	--	52	5	57	57	--	--	--	--	4364	33847
	Bagalkot	4	4	--	--	476	102	578	574	4	--	--	--	35541	540804
	KOPPAL	2	2	--	--	43	18	61	59	2	--	--	--	27329	310465
	CHAMARAJANAGAR	1	1	--	--	16	4	20	20	--	--	--	--	161	1352
	Ramanagara	3	1	--	--	40	10	50	48	2	--	2	--	520	2322
														161400 (PR)	1081184
	TOTAL : KARNATAKA	28	19	--	--	1385	269	1654	1631	23	--	11	--	114177	2001042
														161400 (PR)	1081184
	KERALA														
	Ernakulam	3	3	--	--	96	20	116	75	41	--	10	3	54987	43488
	Malappuram	1	1	--	--	14	8	22	15	7	--	--	--	297011	12474
	Pathanamthitta	6	6	--	--	122	12	134	134	--	--	--	--	695706	269213
	Trichur	2	1	--	--	49	5	54	54	--	--	30	--	127938	1328010
	Trivundrum	2	2	--	--	15	42	57	47	10	--	--	11	641	5400
	TOTAL : KERALA	14	13	--	--	296	87	383	325	58	--	40	14	1176283	1658585

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	MADHYA PRADESH														
	Chhatarpur	1	1	--	--	185	20	205	205	--	--	--	--	Nil	Nil
	ORISSA														
	Kalahandi	1	1	--	--	26	4	30	30	--	--	--	--	6002	31361
	TAMIL NADU														
	Dharmapuri	21	17	--	--	563	90	653	653	--	--	--	--	61173	767076
														405 (PR)	1454
	Kanyakumari	1	1	--	--	14	--	14	14	--	--	--	--	342968	144047
	Madurai	10	9	--	--	311	74	385	382	3	--	143	--	22026	285263
														1388 (PR)	5955
	Periyar	2	2	--	--	160	10	170	170	--	--	--	--	17807	123846
	Pudukkottai	1	--	--	--	23	3	26	26	--	--	--	--	734	770
	Salem	15	14	--	--	535	64	599	596	3	--	--	--	103251	185049
	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	--	--	82	14	96	96	--	--	59	11	9662	105862
	V.R.P.	5	5	--	--	256	56	312	303	9	--	--	--	29757	341302
	Virudhunagar	2	1	--	--	24	21	45	45	--	--	12	--	1397	14407
	Vellore	6	5	--	--	185	22	207	207	--	--	118	11	11689	74858
	Villupuram	10	10	--	--	205	60	265	255	10	--	13	--	9782	124740
	Karur	3	--	--	--	58	4	62	60	2	--	12	--	13020	95588
														842 (PR)	5538
	Sivaganga	1	1	--	--	16	2	18	18	--	--	--	--	1116	2500
	KRISHNAGIRI	11	10	--	--	237	15	252	252	--	--	37	1	12364	91917
														1000 (PR)	6026
	TOTAL : TAMIL NADU	97	84	--	--	2777	441	3218	3191	27	--	394	23	693810	2718914
														3635 (PR)	18973
	UTTAR PRADESH														
	Lalitpur	3	3	--	--	114	111	225	225	--	--	--	--	18726	221356
	WEST BENGAL														
	Birbhum	1	1	--	--	12	1	13	13	--	--	--	--	Nil	Nil
	TOTAL : GRANITE	251	224	--	--	9673	2695	12368	12215	153	--	857	206	3397201	18191677
														211190 (PR)	1555451
	17. GRAPHITE														
	JHARKHAND														
	Palamau	2	1	--	--	33	2	35	35	--	--	--	--	3515	23
	Saraikhela Kharsawan	1	--	--	--	17	--	17	17	--	--	16	--	2645	714
	TOTAL : JHARKHAND	3	1	--	--	50	2	52	52	--	--	16	--	6160	737
	ORISSA														
	Bolangir	6	2	--	--	113	12	125	50	75	--	--	--	12698	9332
	Cuttack	1	--	--	--	--	2	2	2	--	--	--	--	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
	TOTAL : ORISSA	11	4	--	--	212	18	230	130	100	--	--	--	24353	13387

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	TAMIL NADU														
	Sivaganga	1	--	--	--	53	5	58	57	1	--	--	--	98917 (PR)	122657
TOTAL : GRAPHITE		15	5	--	--	315	25	340	239	101	--	16	--	30513	14124
														98917 (PR)	122657
18. GYPSUM															
	JAMMU & KASHMIR														
	Deda	1	--	--	--	34	1	35	35	--	--	--	--	3015	9500
	Ramban	2	--	--	--	77	9	86	86	--	--	38	--	51770	25286
TOTAL : JAMMU & KASHMIR		3	--	--	--	111	10	121	121	--	--	38	--	54785	34786
	RAJASTHAN														
	Bikaner	13	7	--	--	75	48	123	123	--	--	24	4	2359274	1138208
	Sriganganagar	10	1	--	--	42	15	57	57	--	--	3	2	269548	129276
	Jaisalmer	3	2	--	--	10	2	12	12	--	--	--	--	520430	1366814
	Nagaur	1	1	--	--	3	8	11	11	--	--	--	--	373752	17753
	Hanumangarh	5	1	--	--	8	11	19	19	--	--	4	2	6365	3023
	Sri Ganganagar	2	--	--	--	7	2	9	9	--	--	3	--	108335	71786
TOTAL : RAJASTHAN		34	12	--	--	145	86	231	231	--	--	34	8	3637704	2726861
TOTAL : GYPSUM		37	12	--	--	256	96	352	352	--	--	72	8	3692489	2761647
19. IRON															
	ANDHRA PRADESH														
	Anantpur	4	1	--	--	60	28	88	88	--	--	--	--	2606087	2606087
	Cuddapah	1	--	--	--	5	--	5	5	--	--	--	--	Nil	Nil
	Kurnool	11	2	--	--	207	--	207	207	--	--	10	--	222309	507397
														38247 (FN)	11893
														158284 (LM)	58076
TOTAL : ANDHRA PRADESH		16	3	--	--	272	28	300	300	--	--	10	--	2828396	3113484
														38247 (FN)	11893
														158284 (LM)	58076
	CHHATTISHGARH														
	Bastar	1	1	--	--	97	179	276	276	--	--	--	35	2412068 (FN)	2988383
														1486370 (LM)	3171824
	Durg	6	6	--	--	951	668	1619	1562	57	--	316	96	1643552	819267
														1625866 (PR)	1096812
	Rajnandgaon	1	1	--	--	5	5	10	10	--	--	--	--	Nil	Nil
	Kanker	1	1	--	--	399	31	430	430	--	--	395	--	260639	190006
														96284 (FN)	162802
	Dantewara	2	2	--	--	686	1181	1867	1867	--	--	--	--	9908948 (FN)	21337048
														5675872 (LM)	15466515
TOTAL : CHHATTISHGARH		11	11	--	--	2138	2064	4202	4145	57	--	711	131	1904191	1009273
														12417300 (FN)	24488233
														7162242 (LM)	18638339
														1625866 (PR)	1096812

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	GOA														
	North Goa	38	27	--	--	1925	1605	3530	3496	34	--	387	29	8441837	1277516
														4003930 (FN)	960612
														812271 (LM)	303694
														85710 (PR)	156436
	South Goa	47	31	--	--	1881	593	2474	2435	39	--	764	215	7077530	3516016
														401723 (FN)	107068
														132670 (LM)	262946
														137603 (PR)	94232
	Margaon	2	1	--	--	38	20	58	58	--	--	--	--	92600	10782
	TOTAL : GOA	87	59	--	--	3844	2218	6062	5989	73	--	1151	244	15611967	4804314
														4405653 (FN)	1067680
														944941 (LM)	566640
														223313 (PR)	250668
	JHARKHAND														
	West Singbhum	24	16	--	--	2295	7467	9762	9527	235	--	957	3417	10959274	5760373
														7317176 (FN)	3620090
														3065127 (LM)	1496439
														5369025 (PR)	5177722
														7317176 (FN)	3620090
														3065127 (LM)	1496439
														5369025 (PR)	5177722
	KARNATAKA														
	Bellary	72	54	--	--	3696	1791	5487	5398	89	--	737	82	8331360	5505614
														9931602 (FN)	18153893
														4169504 (LM)	12058510
														4250936 (PR)	6086095
	Bijapur	2	2	--	--	26	13	39	27	12	--	--	--	247200	86520
														273713 (FN)	67078
	Chikmagalur	2	--	--	--	11	2	13	13	--	--	--	--	Nil	Nil
	Chitradurga	13	12	--	--	1187	159	1346	1343	3	--	386	71	6004722	3097680
														361884 (FN)	520924
														45094 (LM)	97843
	Dharwar	1	1	--	--	25	9	34	34	--	--	24	3	623095	184703
	Tumkur	10	7	--	--	206	75	281	276	5	--	50	29	537930	204403
														227663 (FN)	91091
														104131 (LM)	84698
														85340 (PR)	23469
	Bagalkot	1	--	--	--	11	--	11	11	--	--	--	--	2400	8400
	TOTAL : KARNATAKA	101	76	--	--	5162	2049	7211	7102	109	--	1197	185	15746707	9087319
														10794862 (FN)	18832986
														4318729 (LM)	12241052
														4336276 (PR)	6109564
	MADHYA PRADESH														
	Jabalpur	6	5	--	--	46	67	113	113	--	--	--	--	Nil	Nil
														331585 (FN)	182402
														55402 (LM)	29112
														60107 (PR)	18032
														331585 (FN)	182402
														55402 (LM)	29112
														60107 (PR)	18032
														230127 (FN)	200370
														90276 (LM)	79604

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	MAHARASHTRA														
	Bhandara	1	--	--	--	36	11	47	44	3	--	--	--	10110	3340
	Chandrapur	1	1	--	--	179	5	184	184	--	--	--	--	250609	56387
	Gadehiroti	1	--	--	--	--	3	3	3	--	--	--	--	Nil	Nil
	Sindhudurg	10	8	--	--	580	63	643	643	--	--	408	24	1836059	1281955
														230127 (FN)	200370
														90276 (LM)	79604
	TOTAL : MAHARASHTRA	13	9	--	--	795	82	877	874	3	--	408	24	2096778	1341681
	ORISSA														
	Bolangir	1	--	--	--	1	16	17	17	--	--	--	--	Nil	Nil
	Keonjhar	60	48	--	--	8036	8532	16568	15379	1189	--	4219	4779	52356581	46108376
														9136602 (FN)	8964780
														11719009 (LM)	13827217
														17106558 (PR)	17694185
	Mayurbhanj	7	3	--	--	1380	90	1470	1192	278	--	596	10	220761	500366
														152560 (FN)	483209
														213237 (LM)	25736
	Sundergarh	39	33	--	--	3233	2283	5516	4946	570	--	1104	1035	7687818	7911476
														3256657 (FN)	2135527
														1123246 (LM)	1178748
														6172826 (PR)	4850447
	TOTAL : ORISSA	107	84	--	--	12650	10921	23571	21534	2037	--	5919	5824	60265160	54520218
														12545819 (FN)	11583515
														13055492 (LM)	15031700
														23279384 (PR)	22544632
	RAJASTHAN														
	Bhilwara	1	1	--	--	315	452	767	767	--	--	--	--	2196636	6089353
														507687 (PR)	520486
	Jaipur	1	1	--	--	54	14	68	68	--	--	--	--	47620 (LM)	36005
														181932 (PR)	185365
	TOTAL : RAJASTHAN	2	2	--	--	369	466	835	835	--	--	--	--	2196636	6089353
														47620 (LM)	36005
														689619 (PR)	705851
	TOTAL : IRON	367	265	--	--	27571	25362	52933	50419	2514	--	10353	9825	111609109	85726015
														48080769 (FN)	59987170
														28898113 (LM)	48176968
														35583590 (PR)	35903281
20.	KYANITE														
	JHARKHAND														
	East Singhbhum	1	1	--	--	36	5	41	41	--	--	15	--	2198	2607
	MAHARASHTRA														
	Bhandara	4	--	--	--	71	3	74	68	6	--	--	--	6427	1513
	TOTAL : KYANITE	5	1	--	--	107	8	115	109	6	--	15	--	8625	4120
21.	LATERITE														
	ANDHRA PRADESH														
	East Godavari	3	1	--	--	47	4	51	51	--	--	--	--	1421582	219639
	KARNATAKA														
	Belgaum	1	1	--	--	102	11	113	113	--	--	--	--	159350 (PR)	25018
	KERALA														
	Kannur	1	--	--	--	9	3	12	9	3	--	--	--	25950	4608
	Kasaragod	1	1	--	--	15	6	21	18	3	--	--	2	59198	11548
	TOTAL : KERALA	2	1	--	--	24	9	33	27	6	--	--	2	85148	16156

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		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	MADHYA PRADESH														
	Jabalpur	1	--	--	--	40	1	41	18	23	--	--	--	21750	653
	RAJASTHAN														
	Jhalawar	1	1	--	--	112	21	133	133	--	--	--	--	1720177	276782
	TOTAL : LATERITE	8	4	--	--	325	46	371	342	29	--	--	2	3248657	513229
														159350 (PR)	25018
	22. LIMESTONE														
	ANDAMAN & NICOBAR ISLAND														
	Andamana	1	1	--	--	58	--	58	58	--	--	--	--	Nil	Nil
	ANDHRA PRADESH														
	Adilabad	4	4	--	--	944	1260	2204	2204	--	--	--	--	8181514	1282650
	Anantpur	7	4	--	--	104	21	125	125	--	--	15	10	3092137	264650
														3570 (PR)	648
	Cuddapah	8	8	--	--	230	75	305	300	5	--	71	23	7824509	1125054
	Guntur	9	9	--	--	202	107	309	309	--	--	--	--	5611334	984363
	Karimnagar	1	1	--	--	72	55	127	127	--	--	--	--	1119898	425320
	Krishna	7	7	--	--	235	160	395	380	15	--	45	67	6381797	1081271
	Kurnool	15	6	--	--	444	233	677	676	1	--	172	3	10074136	718651
	Nalgonda	32	32	--	--	881	74	955	951	4	--	95	4	23218078	3183102
	Ranga Reddy	5	5	--	--	171	48	219	219	--	--	--	--	7458555	588322
	TOTAL : ANDHRA PRADESH	88	76	--	--	3283	2033	5316	5291	25	--	398	107	72961958	9653384
														3570 (PR)	648
	ASSAM														
	Karbi Arglong	1	1	--	--	12	23	35	35	--	--	--	--	48349665	182659
	North Cachar Hills	5	5	--	--	95	7	102	102	--	--	--	--	90154	49861
	TOTAL : ASSAM	6	6	--	--	107	30	137	137	--	--	--	--	48439819	232520
	BIHAR														
	Rohtas	3	2	--	--	113	39	152	148	4	--	--	--	540472	217003
	CHHATTISHGARH														
	Bilaspur	1	1	--	--	124	4	128	128	--	--	--	--	2952964	504518
	Durg	5	4	--	--	154	263	417	407	10	--	--	--	1377646	319577
	Raipur	10	10	--	--	560	184	744	744	--	--	13	11	20449849	2345329
														1731346 (PR)	328401
	Janjgir(champa)	2	2	--	--	122	4	126	126	--	--	38	1	1748244	176549
	Baloda Bazar	2	2	--	--	132	65	197	197	--	--	9	26	7915493	1227644
	TOTAL : CHHATTISHGARH	20	19	--	--	1092	520	1612	1602	10	--	60	38	34444196	4573617
														1731346 (PR)	328401
	GUJARAT														
	Amreli	3	3	--	--	203	49	252	252	--	--	53	--	7014357	959718
	Jamnagar	7	4	--	--	102	20	122	122	--	--	19	--	1055086	81197
	Junagadh	31	14	--	--	1023	69	1092	930	162	--	456	1	10942240	999972
														1749317 (PR)	125901
	Kutch	2	2	--	--	88	8	96	96	--	--	21	--	1973994	226495
	Porbandar	8	7	--	--	395	85	480	370	110	--	258	53	4363564	1935770
	TOTAL : GUJARAT	51	30	--	--	1811	231	2042	1770	272	--	807	54	25349241	4203152
														1749317 (PR)	125901

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		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	HIMACHAL PRADESH														
	Bilaspur	1	1	--	--	27	29	56	56	--	--	--	--	3942000	421700
	Mandi	1	1	--	--	6	1	7	7	--	--	--	--	21500	4369
	Sirmaur	31	19	--	--	767	108	875	860	15	--	--	--	2304318	721533
														16577 (PR)	2636
	Solan	3	3	--	--	257	7	264	264	--	--	--	--	9357293	1192613
	TOTAL : HIMACHAL PRADESH	36	24	--	--	1057	145	1202	1187	15	--	--	--	15625111	2340214
														16577 (PR)	2636
	HARYANA														
	Mahendragarh	1	--	--	--	14	2	16	16	--	--	--	--	2760	373
	JHARKHAND														
	Hazaribagh	2	2	--	--	24	12	36	34	2	--	--	--	51410	13458
	Palamau	3	--	--	--	109	60	169	165	4	--	75	--	32595	6236
														38767 (PR)	60586
	Ranchi	3	2	--	--	45	26	71	71	--	--	--	--	4213	326
	West Singbhum	9	3	--	--	491	131	622	547	75	--	27	2	1905944	385345
	Garhwa	1	--	--	--	51	191	242	242	--	--	47	2	29844	8411
	TOTAL : JHARKHAND	18	7	--	--	720	420	1140	1059	81	--	149	4	2024006	413776
														38767 (PR)	60586
	JAMMU & KASHMIR														
	Pulwana	1	1	--	--	33	2	35	35	--	--	--	--	2000 (PR)	1038
	KARNATAKA														
	Belgaum	4	1	--	--	34	5	39	35	4	--	7	--	109547	18501
	Bijapur	3	2	--	--	57	18	75	62	13	--	--	--	146852	19384
	Chitradurga	5	5	--	--	156	55	211	211	--	--	23	--	5122657	717734
	Gulbarga	8	8	--	--	509	93	602	602	--	--	114	4	29992563	6707049
	Shimoga	1	1	--	--	15	--	15	15	--	--	--	--	Nil	Nil
	Tumkur	3	2	--	--	104	56	160	154	6	--	4	--	205255	50821
	Bagalkot	37	19	--	--	445	71	516	495	21	--	138	11	2770394	757213
	TOTAL : KARNATAKA	61	38	--	--	1320	298	1618	1574	44	--	286	15	38347268	8270703
	KERALA														
	Alleppey	1	1	--	--	57	--	57	57	--	--	--	--	14190	12615
	Palghat	1	1	--	--	64	133	197	197	--	--	--	--	598661 (PR)	59866
	TOTAL : KERALA	2	2	--	--	121	133	254	254	--	--	--	--	14190	12615
														598661 (PR)	59866
	MEGHALAYA														
	East Khasi Hills	3	3	--	--	184	84	268	258	10	--	28	2	2210273	960362
	Jaintia Hills	8	7	--	--	238	39	277	274	3	--	--	--	1353733	324015
	TOTAL : MEGHALAYA	11	10	--	--	422	123	545	532	13	--	28	2	3564006	1284376
	MADHYA PRADESH														
	Damoh	5	5	--	--	166	124	290	290	--	--	--	--	5360257	1612076
	Jabalpur	8	7	--	--	955	447	1402	1259	143	--	115	--	1997055	249144
														780372 (PR)	136498
	Mandsaur	2	2	--	--	86	56	142	142	--	--	--	--	4102212	174728
	Rewa	4	4	--	--	389	44	433	433	--	--	--	--	8810958	1808751
	Satna	19	18	--	--	1056	356	1412	1398	14	--	420	148	19824160	2662410
	Sidhi	2	2	--	--	65	20	85	85	--	--	--	--	2637008	317596
	Katni	10	7	--	--	463	62	525	514	11	--	64	14	3255219	496403
	Neemuch	2	2	--	--	80	40	120	120	--	--	--	--	4307154	247723
	TOTAL : MADHYA PRADESH	52	47	--	--	3260	1149	4409	4241	168	--	599	162	50294023	7568831
														780372 (PR)	136498

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		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MAHARASHTRA															
	Chandrapur	5	5	--	--	331	104	435	396	39	--	81	31	8883255	958240
	Yavatmal	8	2	--	--	104	39	143	130	13	--	--	--	407703	57003
TOTAL : MAHARASHTRA		13	7	--	--	435	143	578	526	52	--	81	31	9290958	1015242
	ORISSA														
	Kalahandi	1	1	--	--	18	3	21	21	--	--	16	3	11630	1256
	Koraput	3	2	--	--	70	14	84	84	--	--	51	--	197385	21206
	Sambalpur	1	1	--	--	240	25	265	264	1	--	155	--	933996	361008
	Sundergarh	13	10	--	--	1626	856	2482	2105	377	--	148	108	4583470	1087158
	Bargarh	1	1	--	--	290	13	303	303	--	--	209	--	1035592	498120
TOTAL : ORISSA		19	15	--	--	2244	911	3155	2777	378	--	579	111	6762073	1968748
	RAJASTHAN														
	Ajmer	2	2	--	--	134	87	221	221	--	--	--	--	1137105	34113
														1590955 (PR)	254060
	Banswara	1	1	--	--	44	13	57	57	--	--	32	11	1283613	190398
	Barmer	1	1	--	--	18	8	26	24	2	--	--	--	2730	82
	Bundi	1	1	--	--	151	133	284	284	--	--	120	84	2143388	518700
	Chittorgarh	9	9	--	--	418	141	559	559	--	--	219	38	14418618	2261616
	Jaipur	4	3	--	--	214	3	217	217	--	--	115	--	7651305	1113412
	Jaisalmer	2	2	--	--	235	136	371	371	--	--	183	71	705357	91696
														2529293 (FN)	1214061
	Jhalawar	19	19	--	--	1281	97	1378	1270	108	--	70	3	11415845	1140097
														107185 (PR)	4015
	Jodhpur	2	1	--	--	46	14	60	60	--	--	--	--	21313	156674
	Kota	40	32	--	--	4126	369	4495	4002	493	--	213	--	20350232	5600844
														4098 (PR)	1954
	Nagaur	11	9	--	--	178	40	218	217	1	--	32	--	1054555	1840082
	Pali	3	3	--	--	508	60	568	568	--	--	185	4	15294141	649344
	Sikar	1	1	--	--	1	2	3	3	--	--	--	--	206	36
	Sirohi	5	5	--	--	384	152	536	536	--	--	--	--	13008953	1406667
	Udaipur	1	--	--	--	--	3	3	3	--	--	--	--	Nil	Nil
TOTAL : RAJASTHAN		102	89	--	--	7738	1258	8996	8392	604	--	1169	211	88487361	15003763
														2529293 (FN)	1214061
														1702238 (PR)	260029
	TAMIL NADU														
	Coimbattore	3	3	--	--	64	28	92	92	--	--	12	--	1238693	329456
	Madurai	2	2	--	--	106	3	109	109	--	--	--	--	3164438	522340
	Salem	5	5	--	--	212	57	269	258	11	--	140	3	506116	126411
	Thanjavur	1	1	--	--	24	1	25	9	16	--	--	--	27090	2790
	Tiruchirapalli	9	8	--	--	368	20	388	388	--	--	118	4	7081496	702290
	Tirunelveli	14	14	--	--	334	34	368	368	--	--	22	2	1430342	853015
	Kamrajar	1	1	--	--	12	12	24	24	--	--	5	--	109516	45449
	Dindigul-Anna	3	3	--	--	124	51	175	171	4	--	24	32	2955936	667078
	Virudhunagar	6	6	--	--	141	80	221	221	--	--	53	31	778874	251516
														120705 (PR)	20520
	Perambalur	5	3	--	--	114	14	128	128	--	--	35	--	2364673	420647
	Ariyalur	18	14	--	--	392	44	436	436	--	--	150	7	9003067	1472884
	KRISHNAGIRI	Employment with Dolomite Stone and Granite												507363	50736
TOTAL : TAMIL NADU		67	60	--	--	1891	344	2235	2204	31	--	559	79	29167604	5444611
														120705 (PR)	20520

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	UTTARANCHAL														
	Dehradun	1	--	--	--	1	29	30	30	--	--	--	--	49360	4665
	Tehri Garhwal	1	1	--	--	30	4	34	34	--	--	--	--	31120	3112
	TOTAL : UTTARANCHAL	2	1	--	--	31	33	64	64	--	--	--	--	80480	7777
	UTTAR PRADESH														
	Sonebhadra	2	2	--	--	120	23	143	143	--	--	--	--	6471791	968920
	TOTAL : LIMESTONE	556	437	--	--	25870	7837	33707	32010	1697	--	4715	814	431867317	63179625
														2529293 (FN)	1214061
														6743553 (PR)	996123
23.	MAGNESITE														
	JHARKHAND														
	East Singhbhum	1	1	--	--	47	10	57	38	19	--	--	--	18551	12986
	KARNATAKA														
	Mysore	4	3	--	--	148	53	201	171	30	--	31	3	22647	37432
														75046 (PR)	21137
														75046 (PR)	21137
	TAMIL NADU														
	Salem	9	7	--	--	1910	33	1943	1048	895	--	108	--	517577	884255
	UTTARANCHAL														
	Almora	1	1	--	--	137	51	188	188	--	--	13	--	43888	56984
														20730 (FN)	9427
														41081 (LM)	15947
														20730 (FN)	9427
														41081 (LM)	15947
	TOTAL : MAGNESITE	15	12	--	--	2242	147	2389	1445	944	--	152	3	602663	991657
														20730 (FN)	9427
														41081 (LM)	15947
														75046 (PR)	21137
24.	MANGANESE														
	ANDHRA PRADESH														
	Vizianagaram	29	22	--	--	1097	71	1168	714	454	--	24	1	436092	642559
														2529 (PR)	12643
														2529 (PR)	12643
	GOA														
	North Goa	2	1	--	--	95	29	124	103	21	--	--	--	600	2400
														35267 (PR)	60072
	South Goa	10	6	--	--	307	39	346	248	98	--	107	24	2101152	2321885
	TOTAL : GOA	12	7	--	--	402	68	470	351	119	--	107	24	2101752	2324285
														35267 (PR)	60072
	GUJARAT														
	Panchmahal	1	1	--	--	9	18	27	27	--	--	--	--	Nil	Nil
	Vadodara(Baroda)	1	1	--	--	14	13	27	27	--	--	--	--	Nil	Nil
	TOTAL : GUJARAT	2	2	--	--	23	31	54	54	--	--	--	--	Nil	Nil

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
JHARKHAND															
	West Singbhum	4	--	--	--	50	41	91	86	5	--	--	--	256572	67989
														334 (PR)	735
														334 (PR)	735
	KARNATAKA														
	Bangalore	1	--	--	--	12	6	18	15	3	--	--	--	Nil	Nil
	Bellary	7	3	--	--	896	951	1847	1712	135	--	208	86	101666	528605
														12000 (LM)	2640
														76542 (PR)	186827
	Chitradurga	7	3	--	--	131	41	172	148	24	--	--	--	304999	199174
	Tumkur	1	--	--	--	16	2	18	14	4	--	--	--	3570 (PR)	491
	Uttar Kannada	2	--	--	--	56	17	73	73	--	--	18	--	1904	1466
														8100 (PR)	8280
TOTAL : KARNATAKA		18	6	--	--	1111	1017	2128	1962	166	--	226	86	408569	729246
														12000 (LM)	2640
														88212 (PR)	195598
	MADHYA PRADESH														
	Balaghat	16	13	6	1686	598	915	3199	2834	365	--	168	256	171257	429761
														493867 (PR)	4221903
	Chhindwara	4	3	1	2	80	110	192	147	45	--	--	21	39610	100064
														571 (PR)	1256
	Jhabua	1	1	--	--	193	45	238	142	96	--	--	--	100076	56042
TOTAL : MADHYA PRADESH		21	17	7	1688	871	1070	3629	3123	506	--	168	277	310943	585868
														494438 (PR)	4223159
	MAHARASHTRA														
	Bhandara	5	4	1	386	1727	1149	3262	2824	438	2	754	9	687551	3838091
														269771 (PR)	854365
	Nagpur	10	6	4	577	465	655	1697	1276	421	64	117	38	951150	2207119
														4694 (PR)	16000
TOTAL : MAHARASHTRA		15	10	5	963	2192	1804	4959	4100	859	66	871	47	1638701	6045211
														274465 (PR)	870365
	ORISSA														
	Keonjhar	18	9	--	--	2308	1442	3750	2598	1152	--	513	319	307054	514489
														544408 (PR)	492944
	Koraput	1	1	--	--	44	19	63	36	27	--	--	--	Nil	Nil
	Sundergarh	19	8	--	--	474	658	1132	798	334	--	185	291	239903	406523
														236822 (PR)	847322
TOTAL : ORISSA		38	18	--	--	2826	2119	4945	3432	1513	--	698	610	546957	921012
														781230 (PR)	1340265
TOTAL : MANGANESE		139	82	12	2651	8572	6221	17444	13822	3622	66	2094	1045	5699586	11316170
														12000 (LM)	2640
														1676475 (PR)	6702838

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
25.	MARBLE														
	GUJARAT														
	Amreli	Employment with Limestone												456828	155861
	Banas Kantha	4	4	--	--	317	104	421	421	--	--	--	--	459146	445914
														93600 (PR)	898762
	Junagadh	Employment with Limestone												806965	275320
	Porbandar	Employment with Limestone												475706	2359
	TOTAL : GUJARAT	4	4	--	--	317	104	421	421	--	--	--	--	2198645	879454
														93600 (PR)	898762
	MADHYA PRADESH														
	Jabalpur	1	1	--	--	19	21	40	40	--	--	--	--	15407	2605
	Katni	2	2	--	--	43	8	51	51	--	--	--	--	301723	101075
	TOTAL : MADHYA PRADESH	3	3	--	--	62	29	91	91	--	--	--	--	317130	103680
	RAJASTHAN														
	Ajmer	1	1	--	--	28	18	46	46	--	--	--	--	27915	13958
	Alwar	1	1	--	--	10	4	14	14	--	--	--	--	18127	17708
	Banswara	2	1	--	--	137	60	197	197	--	--	--	--	81478	82993
	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	--	--	969	201	1170	1170	--	--	--	--	2096356	2328196
	TOTAL : RAJASTHAN	15	12	--	--	1338	353	1691	1691	--	--	--	--	2476241	2664750
TOTAL : MARBLE		22	19	--	--	1717	486	2203	2203	--	--	--	--	4992016	3647884
														93600 (PR)	898762
26.	MICA														
	ANDHRA PRADESH														
	Nellore	22	19	13	189	116	150	455	380	75	--	--	--	6348069	86482
	BIHAR														
	Nawada	3	2	2	36	22	14	72	72	--	--	--	--	3293057	9482
	JHARKHAND														
	Koderma	2	--	--	--	--	12	12	12	--	--	--	--	Nil	Nil
	Garhwa	2	1	1	15	--	11	26	26	--	--	--	--	19354	71
	TOTAL : JHARKHAND	4	1	1	15	--	23	38	38	--	--	--	--	19354	71
	RAJASTHAN														
	Bhilwara	2	1	--	--	13	--	13	13	--	--	--	--	3537	12
	Bikaner	Employment with Gypsum												50000	23750
	TOTAL : RAJASTHAN	2	1	--	--	13	--	13	13	--	--	--	--	53537	23762
TOTAL : MICA		31	23	16	240	151	187	578	503	75	--	--	--	9714017	119797
27.	OCHRE														
	GUJARAT														
	Patan	1	--	--	--	16	--	16	16	--	--	--	--	592	59
	MADHYA PRADESH														
	Satna	1	--	1	14	--	5	19	19	--	--	--	--	970	78
TOTAL : OCHRE		2	--	1	14	16	5	35	35	--	--	--	--	1562	137

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
28.	QUARTZ														
	ANDHRA PRADESH														
	Mahboob Nagar	5	3	--	--	81	13	94	91	3	--	10	--	269231	81233
	Medak	2	1	--	--	95	--	95	91	4	--	--	--	16319	2448
	Nalgonda	2	--	--	--	3	1	4	4	--	--	--	--	65	61
	Nellore	4	2	--	--	51	32	83	49	34	--	18	--	20735	11206
														945 (PR)	280
	Vizianagaram	2	--	--	--	37	--	37	37	--	--	18	--	4425	714
														3995 (PR)	654
	TOTAL : ANDHRA PRADESH	15	6	--	--	267	46	313	272	41	--	46	--	310775	95662
														4940 (PR)	933
	BIHAR														
	Munger	2	--	--	--	31	7	38	38	--	--	--	--	57648	18907
	CHHATTISHGARH														
	Raigarh	2	--	--	--	125	7	132	122	10	--	123	7	29912	4677
	JHARKHAND														
	West Singbhum	1	--	--	--	31	6	37	37	--	--	--	--	7494	16795
	East Singhbhum	1	1	1	18	--	9	27	27	--	--	--	--	6706	23512
	Saraikhela Kharsawan	1	--	--	--	18	3	21	20	1	--	--	--	Nil	Nil
	TOTAL : JHARKHAND	3	1	1	18	49	18	85	84	1	--	--	--	14200	40307
	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	--	--	--	90	9	99	99	--	--	--	--	36418	38043
	TOTAL : ORISSA	6	--	--	--	181	9	190	181	9	--	--	--	48652	39553
														1454 (PR)	144
	RAJASTHAN														
	Bhilwara	Employment with Felspar and Mica												5131	1237
	Sikar	2	--	--	--	67	9	76	75	1	--	--	--	65	3
														186627 (PR)	349067
	Tonk	1	1	--	--	10	8	18	18	--	--	--	--	12268	2454
	TOTAL : RAJASTHAN	3	1	--	--	77	17	94	93	1	--	--	--	17464	3694
														186627 (PR)	349067
	TAMIL NADU														
	Tirrupur	1	--	--	--	30	2	32	14	18	--	--	--	2390	825
	Periyar	2	--	--	--	88	--	88	40	48	--	--	--	1921	618
	Salem	1	--	--	--	33	--	33	12	21	--	--	--	1749	3856
														2460 (PR)	5424
	Karur	1	--	--	--	53	--	53	12	41	--	--	--	2866	1003
	Namakkal	1	--	--	--	26	--	26	8	18	--	--	--	1859 (PR)	4509
	TOTAL : TAMIL NADU	6	--	--	--	230	2	232	86	146	--	--	--	8926	6302
														4319 (PR)	9932
TOTAL :	QUARTZ	37	8	1	18	960	106	1084	876	208	--	169	7	487577	209101
														197340 (PR)	360077

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
29.	SALT														
	HIMACHAL PRADESH														
	Mandi	1	1	--	--	--	11	11	11	--	--	--	--	Nil	Nil
TOTAL :	SALT	1	1	--	--	--	11	11	11	--	--	--	--	Nil	Nil
30.	SANDSTONE														
	HARYANA														
	Karnal	1	1	--	--	16	--	16	16	--	--	--	--	226986	8371
	JHARKHAND														
	Sahebganj	1	1	--	--	24	7	31	29	2	--	--	--	11254	2251
	RAJASTHAN														
	Bundi	1	1	--	--	403	21	424	424	--	--	--	--	88132	195100
	UTTAR PRADESH														
	Allahabad	1	1	--	--	36	2	38	38	--	--	33	2	404715	96753
TOTAL :	SANDSTONE	5	5	--	--	654	377	1031	1004	27	--	200	218	731087	302475
31.	SELENITE														
	RAJASTHAN														
	Barmer	2	1	--	--	4	6	10	10	--	--	--	2	Nil	Nil
	Bikaner	1	1	--	--	10	2	12	12	--	--	8	--	6532	9089
TOTAL :	RAJASTHAN	3	2	--	--	14	8	22	22	--	--	8	2	6532	9089
TOTAL :	SELENITE	3	2	--	--	14	8	22	22	--	--	8	2	6532	9089
32.	SILICA														
	ANDHRA PRADESH														
	Nellore	5	--	--	--	84	--	84	40	44	--	--	--	119726	24605
	HARYANA														
	Faridabad	11	10	--	--	1320	381	1701	1701	--	--	293	--	8353649	1523890
	Gurgaon	3	3	--	--	168	16	184	184	--	--	--	--	1037022	103702
														347116 (PR)	49533
TOTAL :	HARYANA	14	13	--	--	1488	397	1885	1885	--	--	293	--	9390671	1627593
														347116 (PR)	49533
	KARNATAKA														
	Dakshin Kannada	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	Udipi	7	--	--	--	34	6	40	23	17	--	16	--	57380	44394
TOTAL :	KARNATAKA	8	--	--	--	34	8	42	25	17	--	16	--	57380	44394
	MAHARASHTRA														
	Ratnagiri	1	1	--	--	23	8	31	19	12	--	20	3	8703 (PR)	2499
	Sindhudurg	9	6	--	--	202	158	360	296	64	--	15	--	388750	93595
														76229 (PR)	43764
TOTAL :	MAHARASHTRA	10	7	--	--	225	166	391	315	76	--	35	3	388750	93595
														84932 (PR)	46263

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	RAJASTHAN														
	Bharatpur	1	1	--	--	34	10	44	44	--	--	--	--	26881	841
	Bundi	2	2	--	--	74	289	363	235	128	--	--	--	184333 (PR)	76435
	Jaipur	2	2	--	--	51	13	64	49	15	--	--	--	14275	4283
														11143 (PR)	1337
	Dausa	1	--	--	--	17	1	18	18	--	--	--	--	12570	3771
	TOTAL : RAJASTHAN	6	5	--	--	176	313	489	346	143	--	--	--	53726	8894
														195476 (PR)	77772
	TAMIL NADU														
	Kancheepuram	2	--	--	--	38	6	44	12	32	--	34	3	8380	3027
	Villupuram	1	--	--	--	2	4	6	6	--	--	--	--	541	100
	TOTAL : TAMIL NADU	3	--	--	--	40	10	50	18	32	--	34	3	8921	3128
	TOTAL : SILICA	46	25	--	--	2047	894	2941	2629	312	--	378	6	10019174	1802208
														627524 (PR)	173568
33.	SILLIMANITE														
	ANDHRA PRADESH														
	Srikakulam	1	1	--	--	130	365	495	467	28	--	--	217	24179	193529
														35360 (PR)	229875
														35360 (PR)	229875
	KERALA														
	Kollam	1	1	--	--	179	469	648	612	36	--	159	129	40818 (PR)	216658
	MAHARASHTRA														
	Bhandara	5	3	--	--	321	39	360	337	23	--	--	--	7644	2050
														1081 (LM)	6486
														48513 (PR)	359106
														1081 (LM)	6486
														48513 (PR)	359106
	ORISSA														
	Ganjam	1	1	--	--	114	857	971	905	66	--	10	178	225173 (PR)	245104
	TAMIL NADU														
	Kanyakumari	2	1	--	--	1162	308	1470	1450	20	--	1153	7	138776	43727
	TOTAL : SILLIMANITE	10	7	--	--	1906	2038	3944	3771	173	--	1322	531	170599	239305
														1081 (LM)	6486
														349864 (PR)	1050744
34.	SLATE														
	HARYANA														
	Rewani	2	1	--	--	167	12	179	179	--	--	--	--	150164	142392
	TOTAL : SLATE	2	1	--	--	167	12	179	179	--	--	--	--	150164	142392
35.	STEATITE														
	ANDHRA PRADESH														
	Anantpur	2	--	2	19	--	18	37	28	9	--	--	8	8780	2021
	Kurnool	8	4	1	7	103	24	134	120	14	--	--	--	62558	16692
														6030 (PR)	4523
	TOTAL : ANDHRA PRADESH	10	4	3	26	103	42	171	148	23	--	--	8	71338	18713
														6030 (PR)	4523

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
BIHAR															
	Munger	1	--	--	--	6	--	6	6	--	--	--	--	Nil	Nil
	Nawada	1	1	--	--	9	4	13	13	--	--	--	--	24380	3245
TOTAL : BIHAR		2	1	--	--	15	4	19	19	--	--	--	--	24380	3245
	JHARKHAND														
	Pakur	1	1	--	--	22	1	23	23	--	--	--	--	Nil	Nil
	MADHYA PRADESH														
	Shivpuri	2	1	--	--	294	12	306	282	24	--	--	--	27829	29518
	Tikamgarh	2	1	--	--	72	9	81	53	28	--	--	--	20699	13379
TOTAL : MADHYA PRADESH		4	2	--	--	366	21	387	335	52	--	--	--	48528	42896
	ORISSA														
	Keonjhar	1	1	--	--	25	11	36	29	7	--	--	--	11787	177
	RAJASTHAN														
	Banswara	1	--	--	--	4	3	7	7	--	--	--	--	940	772
	Bhilwara	12	3	--	--	502	50	552	552	--	--	--	--	281470	164003
	Dungarpur	3	2	--	--	287	85	372	236	136	--	--	--	22741	10276
	Jaipur	1	1	--	--	2	4	6	6	--	--	--	--	Nil	Nil
	Sawai Madhopur	1	--	--	--	40	--	40	40	--	--	--	--	114480	3990
	Udaipur	21	11	3	269	626	190	1085	1002	83	--	57	22	299863	399418
	Rajsamand	4	1	--	--	67	35	102	82	20	--	--	--	15510	10167
	Dausa	1	--	--	--	23	1	24	22	2	--	--	--	1690	338
	Karauli	1	--	--	--	30	--	30	30	--	--	--	--	3510	862
	Pratapgarh	6	2	--	--	320	93	413	399	14	--	--	--	256906	364410
														63433 (PR)	39568
TOTAL : RAJASTHAN		51	20	3	269	1901	461	2631	2376	255	--	57	22	997110	954237
														63433 (PR)	39568
	UTTARANCHAL														
	Almora	1	--	--	--	40	5	45	45	--	--	--	--	517	256
	Bageshwer	30	--	--	--	1183	131	1314	1264	50	--	59	--	3130181	1636327
														12700 (PR)	7620
TOTAL : UTTARANCHAL		31	--	--	--	1223	136	1359	1309	50	--	59	--	3130698	1636583
														12700 (PR)	7620
	UTTAR PRADESH														
	Lalitpur	1	--	--	--	196	6	202	202	--	--	--	--	5513	10380
TOTAL : STEATITE		101	29	6	295	3851	682	4828	4441	387	--	116	30	4289354	2666231
														82163 (PR)	51710
36. STONE															
	ANDHRA PRADESH														
	Mahboob Nagar	2	2	--	--	35	2	37	37	--	--	--	--	4688	1301
	Nalgonda	1	--	--	--	18	2	20	20	--	--	--	--	3000	230
	Nellore	1	--	--	--	48	2	50	50	--	--	--	--	6301	1385
TOTAL : ANDHRA PRADESH		4	2	--	--	101	6	107	107	--	--	--	--	13989	2915

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	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	--	--	67	38	105	105	--	--	13	12	296706	183871
	South Goa	2	--	--	--	150	8	158	149	9	--	86	--	249492	37867
TOTAL :	GOA	7	5	--	--	217	46	263	254	9	--	99	12	546198	221738
	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	--	--	29	22	51	51	--	--	--	--	1591	126
	Deoghar	1	1	--	--	24	6	30	30	--	--	--	--	23072	1773
	Sahebganj	34	28	--	--	441	453	894	779	115	--	139	122	7607415	444386
														544807 (PR)	16174
	Garhwa	1	--	--	--	15	1	16	16	--	--	--	--	1080	54
	Pakur	53	40	--	--	543	581	1124	1036	88	--	100	109	3771653	234372
														41900 (PR)	3351
TOTAL :	JHARKHAND	91	71	--	--	1052	1063	2115	1912	203	--	239	231	11404811	680711
														586707 (PR)	19525
	KARNATAKA														
	Belgaum	1	1	--	--	17	2	19	18	1	--	--	--	78	25
	Udipi	1	1	--	--	21	3	24	24	--	--	21	3	125703	37610
TOTAL :	KARNATAKA	2	2	--	--	38	5	43	42	1	--	21	3	125781	37635

STATEMENT NO. 1.2(Cont.)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT								OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR B/G	CONTRACT LABOUR O/C	CONTRACT LABOUR A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	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	--	--	33	2	35	35	--	--	--	--	51018	8015
	Ratnagiri	1	1	--	--	94	29	123	123	--	--	--	--	Nil	Nil
	Thane	5	5	--	--	61	9	70	62	8	--	--	--	138954	20511
	Raigad	2	2	--	--	72	10	82	82	--	--	--	--	384300	183050
TOTAL :	MAHARASHTRA	13	12	--	--	342	93	435	416	19	--	19	33	761718	225365
	ORISSA														
	Baleshwar	1	1	--	--	10	5	15	15	--	--	--	--	24106	10788
	Sundergarh	1	1	--	--	27	--	27	27	--	--	--	--	116946 (PR)	39096
TOTAL :	ORISSA	2	2	--	--	37	5	42	42	--	--	--	--	24106 116946 (PR)	10788 39096
	RAJASTHAN														
	Alwar	1	1	--	--	20	1	21	16	5	--	--	--	50500	12120
	Jaipur	1	1	--	--	60	75	135	135	--	--	--	--	Nil	Nil
	Sikar	1	--	--	--	14	6	20	20	--	--	--	--	187830	48462
	Dausa	1	1	--	--	41	19	60	60	--	--	36	--	64689	5499
TOTAL :	RAJASTHAN	5	4	--	--	281	101	382	377	5	--	36	--	303019	66081
	TAMIL NADU														
	Chengalpattu(Anna)	2	1	--	--	228	28	256	168	88	--	6	22	55280	2073
	Chidambarnar	1	1	--	--	19	--	19	19	--	--	--	--	155050	15505
	Kancheepuram	5	3	--	--	141	19	160	160	--	--	--	--	1223005	53631
	Thoothukkudi	2	1	--	--	56	47	103	103	--	--	--	--	181103	8305
TOTAL :	TAMIL NADU	10	6	--	--	444	94	538	450	88	--	6	22	1614438	79515
	WEST BENGAL														
	Birbhum	20	19	--	--	478	395	873	857	16	--	81	125	6088951	128977
	Burdwan	2	1	--	--	22	29	51	38	13	--	--	--	17069	1714
TOTAL :	WEST BENGAL	22	20	--	--	500	424	924	895	29	--	81	125	6106020	130691
TOTAL :	STONE	187	142	--	--	5284	2207	7491	7119	372	--	1612	441	34588539 7342820 (PR)	2954079 522942
37.	VERMICULITE														
	ANDHRA PRADESH														
	Nellore	1	--	--	--	16	4	20	13	7	--	--	--	6353	635
	TAMIL NADU														
	North Arcot	1	--	--	--	15	4	19	19	--	--	--	--	1565	2803
TOTAL :	VERMICULITE	2	--	--	--	31	8	39	32	7	--	--	--	7918	3438

STATEMENT NO. 1.2(Cont…)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT									OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR				
											B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
38.	WOLLASTONITE														
	RAJASTHAN														
	Sirohi	2	2	--	--	412	134	546	433	113	--	16	--	61945	59233
	Udaipur	1	1	--	--	230	84	314	249	65	--	32	--	128675	108649
	TOTAL : RAJASTHAN	3	3	--	--	642	218	860	682	178	--	48	--	190620	167882
	TOTAL : WOLLASTONITE	3	3	--	--	642	218	860	682	178	--	48	--	190620	167882
39.	DUNITE														
	KARNATAKA														
	Chikmagalur	1	--	--	--	6	--	6	6	--	--	5	--	8586	1146
	TOTAL : DUNITE	1	--	--	--	6	--	6	6	--	--	5	--	8586	1146
	TOTAL : METALLIFEROUS	2230	1497	67	10372	109327	65655	185354	171922	13432	1888	28209	17979	--	423739916

* Output of all minerals are shown in tones 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 2013 : STATEWISE

SL. NO.	MINERAL/STATE	BELOWGROUND			OPENCAST				ABOVEGROUND						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others	
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1. APATITE & ROCK PHOSPHATE																
	ANDHRA PRADESH	3	21	3	--	--	--	--	--	1	--	--	--	4	7	39
	MADHYA PRADESH	--	--	--	6	98	68	15	1	9	--	--	--	8	--	205
	RAJASTHAN	--	--	--	38	653	--	81	--	131	--	280	--	3	18	1204
	UTTARANCHAL	10	2	55	--	--	--	--	--	25	--	53	--	151	--	296
	WEST BENGAL	--	--	--	1	5	--	70	--	10	--	9	2	--	--	97
TOTAL : APATITE & ROCK PHOSPHA		13	23	58	45	756	68	166	1	176	--	342	2	166	25	1841
2. BARYTES																
	ANDHRA PRADESH	2	7	--	40	326	13	28	--	160	92	9	--	45	24	746
	HIMACHAL PRADESH	3	12	1	--	--	--	--	--	--	--	--	--	--	--	16
	RAJASTHAN	--	--	--	2	9	--	--	--	1	--	--	--	5	--	17
TOTAL : BARYTES		5	19	1	42	335	13	28	--	161	92	9	--	50	24	779
3. BAUXITE																
	CHHATTISHGARH	--	--	--	32	1336	54	274	1	93	--	15	--	53	--	1858
	GUJARAT	--	--	--	81	301	120	53	--	15	--	--	--	41	--	611
	JHARKHAND	--	--	--	64	1256	--	472	--	68	--	--	--	238	2	2100
	KARNATAKA	--	--	--	4	20	--	2	--	14	--	--	--	--	--	40
	MADHYA PRADESH	--	--	--	65	408	107	46	--	26	--	--	--	18	--	670
	MAHARASHTRA	--	--	--	31	305	33	161	--	71	--	--	--	11	3	615
	ORISSA	--	--	--	21	89	--	243	2	58	--	69	--	254	--	736
	TAMIL NADU	--	--	--	3	19	--	--	--	4	--	--	--	8	--	34
	UTTAR PRADESH	--	--	--	9	161	49	--	--	3	--	--	--	16	--	238
TOTAL : BAUXITE		--	--	--	310	3895	363	1251	3	352	--	84	--	639	5	6902
4. CALCITE																
	RAJASTHAN	--	--	--	23	348	152	112	--	81	--	75	--	56	3	850
5. CHINA CLAY,CLAY,WHITE-CLAY																
	ANDHRA PRADESH	--	--	--	18	114	--	17	32	4	--	--	--	--	--	185
	GUJARAT	--	--	--	79	281	--	19	--	24	--	39	--	20	4	466
	HARYANA	--	--	--	2	14	--	34	--	16	--	--	--	--	--	66
	JHARKHAND	--	--	--	6	84	43	7	1	52	--	128	46	173	29	569
	KARNATAKA	--	--	--	4	18	4	2	5	9	--	17	--	47	--	106
	KERALA	--	--	--	14	94	77	11	9	63	4	121	93	83	35	604
	ORISSA	--	--	--	--	18	25	--	--	--	--	--	--	9	7	59
	RAJASTHAN	--	--	--	85	208	24	41	--	29	--	--	--	62	1	450
	TAMIL NADU	--	--	--	--	11	--	--	--	3	--	--	--	--	--	14
	WEST BENGAL	--	--	--	10	117	--	47	--	59	--	97	--	4	--	334
TOTAL : CHINA CLAY,CLAY,WHITE-		--	--	--	218	959	173	178	47	259	4	402	139	398	76	2853

STATEMENT NO. 1.3(CONT…)

SL. NO.	MINERAL/STATE	BELOW GROUND			OPENCAST					ABOVE GROUND						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
6. CHROMITE																
	KARNATAKA	5	61	--	8	13	24	20	1	25	3	27	27	49	--	263
	ORISSA	70	562	182	159	2003	165	911	11	681	13	1456	444	3118	124	9899
TOTAL : CHROMITE		75	623	182	167	2016	189	931	12	706	16	1483	471	3167	124	10162
7. COPPER																
	JHARKHAND	70	910	207	--	--	--	--	--	55	--	176	--	137	1	1556
	MADHYA PRADESH	--	--	--	18	111	--	89	--	33	--	55	--	37	--	343
	RAJASTHAN	45	600	252	--	--	--	--	--	17	--	143	--	771	9	1837
TOTAL : COPPER		115	1510	459	18	111	--	89	--	105	--	374	--	945	10	3736
8. DIAMOND																
	MADHYA PRADESH	--	--	--	4	20	--	7	--	6	1	45	--	18	--	101
9. DOLOMITE																
	ANDHRA PRADESH	--	--	--	22	128	--	164	--	13	--	47	--	45	4	423
	CHHATTISHGARH	--	--	--	44	359	81	319	3	32	--	486	--	9	--	1333
	JHARKHAND	--	--	--	4	244	--	2	--	12	--	--	--	32	--	294
	KARNATAKA	--	--	--	9	42	52	34	--	11	--	--	--	8	--	156
	MADHYA PRADESH	--	--	--	8	149	124	29	--	6	--	--	--	8	--	324
	MAHARASHTRA	--	--	--	4	36	4	3	--	13	--	--	--	9	1	70
	ORISSA	--	--	--	5	32	--	99	--	10	--	20	--	105	7	278
	RAJASTHAN	--	--	--	--	--	--	--	--	--	--	--	--	2	--	2
	WEST BENGAL	--	--	--	--	--	--	--	--	31	--	--	--	--	--	31
TOTAL : DOLOMITE		--	--	--	96	990	261	650	3	128	--	553	--	218	12	2911
10. FELSPAR																
	ANDHRA PRADESH	3	20	1	31	60	17	45	3	15	--	--	--	1	5	201
	KARNATAKA	--	--	--	1	3	--	1	12	1	--	--	--	--	8	26
	WEST BENGAL	--	--	--	1	14	--	--	--	2	--	--	--	--	--	17
TOTAL : FELSPAR		3	20	1	33	77	17	46	15	18	--	--	--	1	13	244
11. FIRE-CLAY																
	ANDHRA PRADESH	--	--	--	--	18	--	1	--	1	--	--	--	--	--	20
	GUJARAT	--	--	--	2	32	--	2	--	--	--	--	--	--	--	36
	MADHYA PRADESH	--	--	--	2	38	16	2	--	2	--	--	--	2	--	62
	ORISSA	--	--	--	8	79	--	47	--	10	--	--	--	4	--	148
	RAJASTHAN	--	--	--	17	89	8	20	4	7	--	--	--	4	--	149
	TAMIL NADU	--	--	--	7	45	26	--	6	--	--	--	--	--	--	84
	WEST BENGAL	--	--	--	1	28	--	3	--	2	--	--	--	--	--	34
TOTAL : FIRE-CLAY		--	--	--	37	329	50	75	10	22	--	--	--	10	--	533
12. FLUORITE																
	GUJARAT	--	--	--	2	--	--	21	--	2	--	--	--	1	--	26
	MAHARASHTRA	--	--	--	2	30	15	1	--	1	--	--	--	6	--	55
TOTAL : FLUORITE		--	--	--	4	30	15	22	--	3	--	--	--	7	--	81

STATEMENT NO. 1.3(CONT…)

SL. NO.	MINERAL/STATE	BELOW GROUND			OPENCAST					ABOVE GROUND						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others		
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
13. GALENA & SPHALARITE																
	ANDHRA PRADESH	2	--	8	--	--	--	--	--	--	--	--	--	30	--	40
	RAJASTHAN	173	1290	875	--	--	--	--	--	350	--	134	--	1616	12	4450
TOTAL : GALENA & SPHALARITE		175	1290	883	--	--	--	--	--	350	--	134	--	1646	12	4490
14. 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
15. GOLD																
	JHARKHAND	5	31	--	--	--	--	--	--	4	--	12	--	--	--	52
	KARNATAKA	160	1248	248	--	--	--	--	--	527	60	--	--	971	114	3328
	UTTARANCHAL	2	5	--	--	--	--	--	--	3	--	--	--	12	--	22
TOTAL : GOLD		167	1284	248	--	--	--	--	--	534	60	12	--	983	114	3402
16. GRANITE																
	ANDHRA PRADESH	--	--	--	438	3150	1	1208	1	480	8	404	--	826	35	6551
	GOA	--	--	--	4	68	--	8	--	3	--	--	--	6	--	89
	KARNATAKA	--	--	--	149	1042	22	172	--	126	--	57	--	85	1	1654
	KERALA	--	--	--	23	193	45	35	--	29	2	12	--	33	11	383
	MADHYA PRADESH	--	--	--	1	--	--	184	--	5	--	--	--	15	--	205
	ORISSA	--	--	--	2	19	--	5	--	2	--	--	--	2	--	30
	TAMIL NADU	--	--	--	209	1713	12	833	10	185	1	36	--	215	4	3218
	UTTAR PRADESH	--	--	--	1	--	--	113	--	20	--	63	--	28	--	225
	WEST BENGAL	--	--	--	1	10	--	1	--	1	--	--	--	--	--	13
TOTAL : GRANITE		--	--	--	828	6195	80	2559	11	851	11	572	--	1210	51	12368
17. GRAPHITE																
	JHARKHAND	--	--	--	1	46	--	3	--	--	--	--	--	2	--	52
	ORISSA	--	--	--	8	80	88	24	12	8	--	--	--	10	--	230
	TAMIL NADU	--	--	--	3	26	--	24	--	3	--	--	--	1	1	58
TOTAL : GRAPHITE		--	--	--	12	152	88	51	12	11	--	--	--	13	1	340
18. GYPSUM																
	JAMMU & KASHMIR	--	--	--	8	80	--	23	--	10	--	--	--	--	--	121
	RAJASTHAN	--	--	--	41	67	--	37	--	65	--	--	--	21	--	231
TOTAL : GYPSUM		--	--	--	49	147	--	60	--	75	--	--	--	21	--	352
19. IRON																
	ANDHRA PRADESH	--	--	--	30	130	--	112	--	9	--	--	--	19	--	300
	CHHATTISHGARH	--	--	--	132	1418	9	568	11	283	--	801	--	943	37	4202
	GOA	--	--	--	405	1832	11	1596	--	367	1	820	--	969	61	6062
	JHARKHAND	--	--	--	134	1321	4	836	--	592	11	2633	112	4011	108	9762
	KARNATAKA	--	--	--	387	2615	55	2074	31	974	17	52	--	1000	6	7211
	MADHYA PRADESH	--	--	--	4	20	--	22	--	45	--	--	--	22	--	113
	MAHARASHTRA	--	--	--	50	478	3	264	--	53	--	--	--	29	--	877
	ORISSA	--	--	--	840	6078	1190	4317	225	2188	47	2742	38	5369	537	23571
	RAJASTHAN	--	--	--	14	125	--	230	--	33	--	382	--	51	--	835
TOTAL : IRON		--	--	--	1996	14017	1272	10019	267	4544	76	7430	150	12413	749	52933

STATEMENT NO. 1.3(CONT…)

SL. NO.	MINERAL/STATE	BELOW GROUND			OPEN CAST				ABOVE GROUND						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others	
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
20. KYANITE																
	JHARKHAND	--	--	--	2	18	--	16	--	1	--	--	--	4	--	41
	MAHARASHTRA	--	--	--	16	43	6	6	--	3	--	--	--	--	--	74
TOTAL : KYANITE		--	--	--	18	61	6	22	--	4	--	--	--	4	--	115
21. 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
22. LIMESTONE																
	ANDAMAN & NICOBAR IS	--	--	--	2	46	--	10	--	--	--	--	--	--	--	58
	ANDHRA PRADESH	--	--	--	344	2233	9	697	--	850	4	746	--	421	12	5316
	ASSAM	--	--	--	7	72	--	28	--	5	--	14	--	11	--	137
	BIHAR	--	--	--	6	27	3	77	--	6	--	28	--	4	1	152
	CHHATTISHGARH	--	--	--	101	555	--	436	--	104	1	88	--	318	9	1612
	GUJARAT	--	--	--	180	1110	272	249	--	98	--	11	--	122	--	2042
	HIMACHAL PRADESH	--	--	--	73	766	12	206	--	46	--	30	--	66	3	1202
	HARYANA	--	--	--	1	11	--	2	--	1	--	--	--	1	--	16
	JHARKHAND	--	--	--	50	417	69	178	6	124	2	25	--	265	4	1140
	JAMMU & KASHMIR	--	--	--	1	32	--	--	--	2	--	--	--	--	--	35
	KARNATAKA	--	--	--	134	777	16	378	15	159	--	68	--	58	13	1618
	KERALA	--	--	--	4	60	--	57	--	12	--	121	--	--	--	254
	MEGHALAYA	--	--	--	39	234	--	149	--	36	5	--	--	74	8	545
	MADHYA PRADESH	--	--	--	258	2349	128	523	2	155	2	169	--	787	36	4409
	MAHARASHTRA	--	--	--	36	232	47	120	--	33	5	16	--	89	--	578
	ORISSA	--	--	--	192	1194	318	540	--	53	2	258	10	540	48	3155
	RAJASTHAN	--	--	--	372	5424	406	1364	172	445	6	366	8	421	12	8996
	TAMIL NADU	--	--	--	183	1120	31	557	--	145	--	22	--	177	--	2235
	UTTARANCHAL	--	--	--	5	24	--	2	--	33	--	--	--	--	--	64
	UTTAR PRADESH	--	--	--	16	83	--	21	--	23	--	--	--	--	--	143
TOTAL : LIMESTONE		--	--	--	2004	16766	1311	5594	195	2330	27	1962	18	3354	146	33707
23. MAGNESITE																
	JHARKHAND	--	--	--	1	27	19	--	--	6	--	--	--	4	--	57
	KARNATAKA	--	--	--	11	55	23	53	6	12	1	16	--	24	--	201
	TAMIL NADU	--	--	--	31	428	93	559	799	30	3	--	--	--	--	1943
	UTTARANCHAL	--	--	--	12	52	--	73	--	15	--	20	--	16	--	188
TOTAL : MAGNESITE		--	--	--	55	562	135	685	805	63	4	36	--	44	--	2389
24. MANGANESE																
	ANDHRA PRADESH	--	--	--	54	438	422	153	30	31	--	--	--	38	2	1168
	GOA	--	--	--	23	147	69	128	35	12	--	17	--	24	15	470
	GUJARAT	--	--	--	6	3	--	14	--	10	--	--	--	21	--	54
	JHARKHAND	--	--	--	5	3	--	42	--	8	--	23	5	5	--	91
	KARNATAKA	--	--	--	69	729	52	258	3	198	11	--	--	708	100	2128
	MADHYA PRADESH	116	1164	408	46	428	206	159	32	261	5	256	66	285	197	3629
	MAHARASHTRA	58	707	198	97	1194	314	418	169	174	29	537	191	717	156	4959
	ORISSA	--	--	--	108	1291	1126	254	47	241	21	15	1	1523	318	4945
TOTAL : MANGANESE		174	1871	606	408	4233	2189	1426	316	935	66	848	263	3321	788	17444

STATEMENT NO. 1.3(CONT…)

SL. NO.	MINERAL/STATE	BELOW GROUND			OPENCAST				ABOVE GROUND						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others	
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
25. MARBLE																
	GUJARAT	--	--	--	22	248	--	47	--	37	--	67	--	--	--	421
	MADHYA PRADESH	--	--	--	7	19	--	36	--	29	--	--	--	--	--	91
	RAJASTHAN	--	--	--	51	741	--	546	--	288	--	11	--	54	--	1691
TOTAL : MARBLE		--	--	--	80	1008	--	629	--	354	--	78	--	54	--	2203
26. MICA																
	ANDHRA PRADESH	30	86	73	14	73	1	27	1	29	--	19	12	29	61	455
	BIHAR	5	21	10	2	17	--	3	--	7	--	--	--	7	--	72
	JHARKHAND	2	11	2	--	--	--	--	--	5	--	--	--	18	--	38
	RAJASTHAN	--	--	--	2	11	--	--	--	--	--	--	--	--	--	13
TOTAL : MICA		37	118	85	18	101	1	30	1	41	--	19	12	54	61	578
27. OCHRE																
	GUJARAT	--	--	--	--	16	--	--	--	--	--	--	--	--	--	16
	MADHYA PRADESH	2	--	12	--	--	--	--	--	1	--	4	--	--	--	19
TOTAL : OCHRE		2	--	12	--	16	--	--	--	1	--	4	--	--	--	35
28. QUARTZ																
	ANDHRA PRADESH	--	--	--	16	196	14	41	--	12	--	--	--	7	27	313
	BIHAR	--	--	--	3	18	--	10	--	7	--	--	--	--	--	38
	CHHATTISHGARH	--	--	--	2	114	9	--	--	6	1	--	--	--	--	132
	JHARKHAND	4	14	--	2	46	--	1	--	11	--	3	--	3	1	85
	ORISSA	--	--	--	11	129	9	32	--	5	--	--	--	4	--	190
	RAJASTHAN	--	--	--	2	60	1	14	--	6	--	--	--	11	--	94
	TAMIL NADU	--	--	--	9	61	146	14	--	2	--	--	--	--	--	232
TOTAL : QUARTZ		4	14	--	45	624	179	112	--	49	1	3	--	25	28	1084
29. SALT																
	HIMACHAL PRADESH	--	--	--	--	--	--	--	--	1	--	--	--	10	--	11
30. SANDSTONE																
	ANDHRA PRADESH	--	--	--	8	47	--	103	17	129	2	210	6	--	--	522
	HARYANA	--	--	--	--	5	--	11	--	--	--	--	--	--	--	16
	JHARKHAND	--	--	--	2	21	1	--	--	1	--	--	--	5	1	31
	RAJASTHAN	--	--	--	97	287	--	19	--	1	--	10	--	10	--	424
	UTTAR PRADESH	--	--	--	3	--	--	33	--	2	--	--	--	--	--	38
TOTAL : SANDSTONE		--	--	--	110	360	1	166	17	133	2	220	6	15	1	1031
31. SELENITE																
	RAJASTHAN	--	--	--	6	--	--	8	--	4	--	--	--	4	--	22
32. SILICA																
	ANDHRA PRADESH	--	--	--	3	30	33	7	11	--	--	--	--	--	--	84
	HARYANA	--	--	--	98	1097	--	293	--	182	--	25	--	190	--	1885
	KARNATAKA	--	--	--	--	8	8	9	9	--	--	--	--	8	--	42
	MAHARASHTRA	--	--	--	15	106	65	29	10	69	--	56	--	40	1	391
	RAJASTHAN	--	--	--	15	76	5	70	10	33	--	121	128	31	--	489
	TAMIL NADU	--	--	--	3	4	32	1	--	--	--	--	--	10	--	50
TOTAL : SILICA		--	--	--	134	1321	143	409	40	284	--	202	128	279	1	2941

STATEMENT NO. 1.3(CONT…)

SL. NO.	MINERAL/STATE	BELOW GROUND			OPENCAST				ABOVE GROUND						GRAND TOTAL
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders		Others		Clerical & Supervisory staff		Workers attached to factories		Others	
						Men	Women	Men	Women	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
33.	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	--	--	19	--	360
	ORISSA	--	--	--	8	84	--	22	--	53	--	--	--	738	66	971
	TAMIL NADU	--	--	--	8	1153	--	1	--	14	4	57	10	217	6	1470
TOTAL :	SILLIMANITE	--	--	--	33	1589	17	265	2	278	31	632	51	974	72	3944
34.	SLATE															
	HARYANA	--	--	--	4	154	--	9	--	12	--	--	--	--	--	179
35.	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	--	1	--	--	--	--	--	23
	MADHYA PRADESH	--	--	--	11	198	48	109	--	7	--	--	--	10	4	387
	ORISSA	--	--	--	1	11	7	6	--	1	--	--	--	10	--	36
	RAJASTHAN	6	91	172	111	983	136	655	16	136	--	9	--	213	103	2631
	UTTARANCHAL	--	--	--	77	929	1	167	49	98	--	16	--	22	--	1359
	UTTAR PRADESH	--	--	--	2	96	--	98	--	6	--	--	--	--	--	202
TOTAL :	STEATITE	9	100	186	220	2313	192	1061	65	260	5	28	4	264	121	4828
36.	STONE															
	ANDHRA PRADESH	--	--	--	26	59	--	16	--	5	--	--	--	1	--	107
	BIHAR	--	--	--	9	31	--	24	--	13	--	4	--	12	--	93
	GOA	--	--	--	14	78	--	116	9	19	--	--	--	27	--	263
	GUJARAT	--	--	--	8	64	4	16	6	52	2	44	--	26	6	228
	HARYANA	--	--	--	201	1821	--	75	--	153	--	--	--	53	--	2303
	JHARKHAND	--	--	--	198	547	--	304	3	266	10	153	92	444	98	2115
	KARNATAKA	--	--	--	1	36	--	--	1	5	--	--	--	--	--	43
	KERALA	--	--	--	1	1	--	11	--	5	--	--	--	--	--	18
	MAHARASHTRA	--	--	--	52	213	3	69	5	60	--	--	--	22	11	435
	ORISSA	--	--	--	5	29	--	3	--	2	--	3	--	--	--	42
	RAJASTHAN	--	--	--	25	233	--	18	5	82	--	--	--	19	--	382
	TAMIL NADU	--	--	--	25	271	86	62	--	29	--	36	--	27	2	538
	WEST BENGAL	--	--	--	60	297	--	143	--	205	--	112	--	78	29	924
TOTAL :	STONE	--	--	--	625	3680	93	857	29	896	12	352	92	709	146	7491
37.	VERMICULITE															
	ANDHRA PRADESH	--	--	--	1	8	7	--	--	4	--	--	--	--	--	20
	TAMIL NADU	--	--	--	2	9	--	4	--	4	--	--	--	--	--	19
TOTAL :	VERMICULITE	--	--	--	3	17	7	4	--	8	--	--	--	--	--	39
38.	WOLLASTONITE															
	RAJASTHAN	--	--	--	24	306	140	172	--	60	1	52	1	68	36	860
39.	DUNITE															
	KARNATAKA	--	--	--	1	--	--	5	--	--	--	--	--	--	--	6
TOTAL :	METALLIFEROUS	779	6872	2721	7706	63708	7203	28847	1863	14148	409	15954	1337	31187	2620	185354

STATEMENT NO. 1.4

STATEWISE DISTRIBUTION OF MINES, EMPLOYMENT AND OUTPUT FOR METALLIFEROUS MINES DURING THE YEAR 2013

SL.	STATE/MINERAL	Number of mines submitting returns	AVERAGE DAILY EMPLOYMENT					OUTPUT * in tonnes unless otherwise stated	VALUE in '000 Rs.
			Below-ground	Opencast		Aboveground		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
ANDAMAN & NICOBAR ISLAND										
	1. Limestone	1	--	58	--	--	--	58	Nil	Nil
	TOTAL : ANDAMAN & NICOBAR IS	1	--	58	--	--	--	58	--	Nil
ANDHRA PRADESH										
	1. Apatite & Rock Phospha	1	27	--	--	5	7	39	3765	7831
	2. Barytes	4	9	394	13	214	116	746	1259131	5060963
									2905 (FN)	9145
	3. China Clay,clay,white-	9	--	149	32	4	--	185	191469	40609
									36910 (PR)	34
	4. Dolomite	7	--	314	--	105	4	423	1286471	477310
									5900 (FN)	1180
									24388 (LM)	10975
									20 (PR)	6
	5. Felspar	8	24	136	20	16	5	201	718359	107880
									31052 (PR)	53061
	6. Fire-clay	2	--	19	--	1	--	20	3202	311
	7. Galena & Sphalarite	1	10	--	--	30	--	40	1079	811
	8. Garnet	2	--	28	10	38	--	76	156329	14902
									59328 (PR)	620512
	9. Granite	104	--	4796	2	1710	43	6551	1227220	11531175
									46155 (PR)	455294
	10. Iron	16	--	272	--	28	--	300	2828396	3113484
									38247 (FN)	11893
									158284 (LM)	58076
	11. Laterite	3	--	47	--	4	--	51	1421582	219639
	12. Limestone	88	--	3274	9	2017	16	5316	72961958	9653384
									3570 (PR)	648
	13. Manganese	29	--	645	452	69	2	1168	436092	642559
									2529 (PR)	12643
	14. Mica	22	189	114	2	77	73	455	6348069	86482
	15. Quartz	15	--	253	14	19	27	313	310775	95662
									4940 (PR)	933
	16. Silica	5	--	40	44	--	--	84	119726	24605
	17. Sillimanite	1	--	130	--	337	28	495	24179	193529
									35360 (PR)	229875
	18. Steatite	10	26	103	--	19	23	171	71338	18713
									6030 (PR)	4523
	19. Stone	4	--	101	--	6	--	107	13989	2915
	20. Vermiculite	1	--	9	7	4	--	20	6353	635
	TOTAL : ANDHRA PRADESH	333	285	10982	622	5042	352	17283	--	32762196
ASSAM										
	1. Limestone	6	--	107	--	30	--	137	48439819	232520
	TOTAL : ASSAM	6	--	107	--	30	--	137	--	232520

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		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
BIHAR										
	1. Limestone	3	--	110	3	38	1	152	540472	217003
	2. Mica	3	36	22	--	14	--	72	3293057	9482
	3. Quartz	2	--	31	--	7	--	38	57648	18907
	4. Steatite	2	--	15	--	4	--	19	24380	3245
	5. Stone	4	--	64	--	29	--	93	2191355	657718
	TOTAL : BIHAR	14	36	242	3	92	1	374	--	906354
CHHATTISHGARH										
	1. Bauxite	13	--	1642	55	161	--	1858	1777076	962934
									113515 (PR)	13668
	2. Dolomite	11	--	722	84	527	--	1333	2292308	763918
	3. Iron	11	--	2118	20	2027	37	4202	1904191	1009273
									12417300 (FN)	24488233
									7162242 (LM)	18638339
									1625866 (PR)	1096812
	4. Limestone	20	--	1092	--	510	10	1612	34444196	4573617
									1731346 (PR)	328401
	5. Quartz	2	--	116	9	6	1	132	29912	4677
	TOTAL : CHHATTISHGARH	57	--	5690	168	3231	48	9137	--	51879871
GOA										
	1. Granite	2	--	80	--	9	--	89	160983	29244
	2. Iron	87	--	3833	11	2156	62	6062	15611967	4804314
									4405653 (FN)	1067680
									944941 (LM)	566640
									223313 (PR)	250668
	3. Manganese	12	--	298	104	53	15	470	2101752	2324285
									35267 (PR)	60072
	4. Stone	7	--	208	9	46	--	263	546198	221738
	TOTAL : GOA	108	--	4419	124	2264	77	6884	--	9324642
GUJARAT										
	1. Bauxite	37	--	435	120	56	--	611	1929482	957352
	2. China Clay,clay,white-	31	--	379	--	83	4	466	396952	101714
									8200 (FN)	6150
									19687 (PR)	16272
	3. Fire-clay	2	--	36	--	--	--	36	7550	755
	4. Fluorite	1	--	23	--	3	--	26	Nil	Nil
	5. Limestone	51	--	1539	272	231	--	2042	25349241	4203152
									1749317 (PR)	125901
	6. Manganese	2	--	23	--	31	--	54	Nil	Nil
	7. Marble	4	--	317	--	104	--	421	2198645	879454
									93600 (PR)	898762
	8. Ochre	1	--	16	--	--	--	16	592	59
	9. Stone	4	--	88	10	122	8	228	306732	35858
	TOTAL : GUJARAT	133	--	2856	402	630	12	3900	--	7225429

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		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
HIMACHAL PRADESH										
	1. Barytes	1	16	--	--	--	--	16	588	882
	2. Limestone	36	--	1045	12	142	3	1202	15625111	2340214
									16577 (PR)	2636
	3. Salt	1	--	--	--	11	--	11	Nil	Nil
	TOTAL : HIMACHAL PRADESH	38	16	1045	12	153	3	1229	--	2343732
HARYANA										
	1. China Clay,clay,white-	2	--	50	--	16	--	66	86592	4661
	2. Limestone	1	--	14	--	2	--	16	2760	373
	3. Sandstone	1	--	16	--	--	--	16	226986	8371
	4. Silica	14	--	1488	--	397	--	1885	9390671	1627593
									347116 (PR)	49533
	5. Slate	2	--	167	--	12	--	179	150164	142392
	6. Stone	22	--	2097	--	206	--	2303	11190372	805065
									6639167 (PR)	464322
	TOTAL : HARYANA	42	--	3832	--	633	--	4465	--	3102310
JHARKHAND										
	1. Bauxite	24	--	1792	--	306	2	2100	2801536	1346454
	2. China Clay,clay,white-	9	--	97	44	353	75	569	117287	23806
									61821 (PR)	13883
	3. Copper	3	1187	--	--	368	1	1556	399887	436351
	4. Dolomite	1	--	250	--	44	--	294	276077	214220
	5. Gold	1	36	--	--	16	--	52	5052	22367
	6. Graphite	3	--	50	--	2	--	52	6160	737
	7. Iron	24	--	2291	4	7236	231	9762	10959274	5760373
									7317176 (FN)	3620090
									3065127 (LM)	1496439
									5369025 (PR)	5177722
	8. Kyanite	1	--	36	--	5	--	41	2198	2607
	9. Limestone	18	--	645	75	414	6	1140	2024006	413776
									38767 (PR)	60586
	10. Magnesite	1	--	28	19	10	--	57	18551	12986
	11. Manganese	4	--	50	--	36	5	91	256572	67989
									334 (PR)	735
	12. Mica	4	15	--	--	23	--	38	19354	71
	13. Quartz	3	18	49	--	17	1	85	14200	40307
	14. Sandstone	1	--	23	1	6	1	31	11254	2251
	15. Steatite	1	--	22	--	1	--	23	Nil	Nil
	16. Stone	91	--	1049	3	863	200	2115	11404811	680711
									586707 (PR)	19525
	TOTAL : JHARKHAND	189	1256	6382	146	9700	522	18006	--	19413986
JAMMU & KASHMIR										
	1. Gypsum	3	--	111	--	10	--	121	54785	34786
	2. Limestone	1	--	33	--	2	--	35	2000 (PR)	1038
	TOTAL : JAMMU & KASHMIR	4	--	144	--	12	--	156	--	35823

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		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
KARNATAKA										
1.	Bauxite	2	--	26	--	14	--	40	Nil	Nil
									62600 (PR)	21910
2.	China Clay,clay,white-	3	--	24	9	73	--	106	28870	13383
									25860 (PR)	7229
3.	Chromite	4	66	41	25	101	30	263	5268	15055
4.	Dolomite	9	--	85	52	19	--	156	379889	95617
5.	Felspar	2	--	5	12	1	8	26	476	238
6.	Gold	3	1656	--	--	1498	174	3328	690837	3129948
7.	Granite	28	--	1363	22	268	1	1654	114177	2001042
									161400 (PR)	1081184
8.	Iron	101	--	5076	86	2026	23	7211	15746707	9087319
									10794862 (FN)	18832986
									4318729 (LM)	12241052
									4336276 (PR)	6109564
9.	Laterite	1	--	102	--	11	--	113	159350 (PR)	25018
10.	Limestone	61	--	1289	31	285	13	1618	38347268	8270703
11.	Magnesite	4	--	119	29	52	1	201	22647	37432
									75046 (PR)	21137
12.	Manganese	18	--	1056	55	906	111	2128	408569	729246
									12000 (LM)	2640
									88212 (PR)	195598
13.	Silica	8	--	17	17	8	--	42	57380	44394
14.	Stone	2	--	37	1	5	--	43	125781	37635
15.	Dunite	1	--	6	--	--	--	6	8586	1146
TOTAL : KARNATAKA		247	1722	9246	339	5267	361	16935	--	62001478
KERALA										
1.	China Clay,clay,white-	13	--	119	86	267	132	604	519052	99342
									2225 (FN)	16997
									1864 (PR)	564
2.	Granite	14	--	251	45	74	13	383	1176283	1658585
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		33	--	702	136	920	182	1940	--	2080782
MEGHALAYA										
1.	Limestone	11	--	422	--	110	13	545	3564006	1284376
TOTAL : MEGHALAYA		11	--	422	--	110	13	545	--	1284376
MADHYA PRADESH										
1.	Apatite & Rock Phospha	2	--	119	69	17	--	205	11004	21556
2.	Bauxite	13	--	519	107	44	--	670	567614	185485
3.	Copper	1	--	218	--	125	--	343	2483954	2406951
4.	Diamond	1	--	31	--	69	1	101	36514	5111100
5.	Dolomite	5	--	186	124	14	--	324	143602	54407
6.	Fire-clay	3	--	42	16	4	--	62	35318	2029

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		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
	7. Granite	1	--	185	--	20	--	205	Nil	Nil
	8. Iron	6	--	46	--	67	--	113	Nil	Nil
									331585 (FN)	182402
									55402 (LM)	29112
									60107 (PR)	18032
	9. Laterite	1	--	17	23	1	--	41	21750	653
	10. Limestone	52	--	3130	130	1111	38	4409	50294023	7568831
									780372 (PR)	136498
	11. Manganese	21	1688	633	238	802	268	3629	310943	585868
									494438 (PR)	4223159
	12. Marble	3	--	62	--	29	--	91	317130	103680
	13. Ochre	1	14	--	--	5	--	19	970	78
	14. Steatite	4	--	318	48	17	4	387	48528	42896
	TOTAL : MADHYA PRADESH	114	1702	5506	755	2325	311	10599	--	20672738
	MAHARASHTRA									
	1. Bauxite	22	--	497	33	82	3	615	3694743	759718
									652745 (PR)	116287
	2. Dolomite	4	--	43	4	22	1	70	119122	30786
									97963 (PR)	27727
	3. Fluorite	1	--	33	15	7	--	55	3095 (LM)	1832
	4. Iron	13	--	792	3	82	--	877	2096778	1341681
									230127 (FN)	200370
									90276 (LM)	79604
	5. Kyanite	4	--	65	6	3	--	74	6427	1513
	6. Limestone	13	--	388	47	138	5	578	9290958	1015242
	7. Manganese	15	963	1709	483	1428	376	4959	1638701	6045211
									274465 (PR)	870365
	8. Silica	10	--	150	75	165	1	391	388750	93595
									84932 (PR)	46263
	9. Sillimanite	5	--	302	19	35	4	360	7644	2050
									1081 (LM)	6486
									48513 (PR)	359106
	10. Stone	13	--	334	8	82	11	435	761718	225365
	TOTAL : MAHARASHTRA	100	963	4313	693	2044	401	8414	--	11223202
	ORISSA									
	1. Bauxite	5	--	353	2	381	--	736	7437593	3287423
	2. China Clay,clay,white-	1	--	18	25	9	7	59	7341 (PR)	2872
	3. Chromite	23	814	3073	176	5255	581	9899	2074430	9194406
									408246 (FN)	436290
									195283 (LM)	638186
									385432 (PR)	1506703
	4. Dolomite	3	--	136	--	135	7	278	246551	91131
	5. Fire-clay	6	--	134	--	14	--	148	24919	6023
	6. Granite	1	--	26	--	4	--	30	6002	31361
	7. Graphite	11	--	112	100	18	--	230	24353	13387
	8. Iron	107	--	11235	1415	10299	622	23571	60265160	54520218
									12545819 (FN)	11583515
									13055492 (LM)	15031700
									23279384 (PR)	22544632
	9. Limestone	19	--	1926	318	851	60	3155	6762073	1968748
	10. Manganese	38	--	1653	1173	1779	340	4945	546957	921012
									781230 (PR)	1340265
	11. Quartz	6	--	172	9	9	--	190	48652	39553
									1454 (PR)	144

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		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
	12. Sillimanite	1	--	114	--	791	66	971	225173 (PR)	245104
	13. Steatite	1	--	18	7	11	--	36	11787	177
	14. Stone	2	--	37	--	5	--	42	24106	10788
									116946 (PR)	39096
	TOTAL : ORISSA	224	814	19007	3225	19561	1683	44290	--	123452733
RAJASTHAN										
	1. Apatite & Rock Phospha	4	--	772	--	414	18	1204	1688922	8512851
	2. Barytes	1	--	11	--	6	--	17	5820	2619
	3. Calcite	3	--	483	152	212	3	850	245949	133999
	4. China Clay,clay,white-	26	--	334	24	91	1	450	993144	405022
									79289 (PR)	10092
	5. Copper	2	897	--	--	931	9	1837	1006159	1878574
	6. Dolomite	1	--	--	--	2	--	2	88637	53899
	7. Felspar	Employment with Steatite and Mica							21076	5092
	8. Fire-clay	9	--	126	12	11	--	149	474138	51183
	9. Galena & Sphalarite	12	2338	--	--	2100	12	4450	7853780	20455604
									11848 (PR)	14834
	10. Gypsum	34	--	145	--	86	--	231	3637704	2726861
	11. Iron	2	--	369	--	466	--	835	2196636	6089353
									47620 (LM)	36005
									689619 (PR)	705851
	12. Laterite	1	--	112	--	21	--	133	1720177	276782
	13. Limestone	102	--	7160	578	1232	26	8996	88487361	15003763
									2529293 (FN)	1214061
									1702238 (PR)	260029
	14. Marble	15	--	1338	--	353	--	1691	2476241	2664750
	15. Mica	2	--	13	--	--	--	13	53537	23762
	16. Quartz	3	--	76	1	17	--	94	17464	3694
									186627 (PR)	349067
	17. Sandstone	1	--	403	--	21	--	424	88132	195100
	18. Selenite	3	--	14	--	8	--	22	6532	9089
	19. Silica	6	--	161	15	185	128	489	53726	8894
									195476 (PR)	77772
	20. Steatite	51	269	1749	152	358	103	2631	997110	954237
									63433 (PR)	39568
	21. Stone	5	--	276	5	101	--	382	303019	66081
	22. Wollastonite	3	--	502	140	180	38	860	190620	167882
	TOTAL : RAJASTHAN	286	3504	14044	1079	6795	338	25760	--	62396371
TAMIL NADU										
	1. Bauxite	2	--	22	--	12	--	34	323805	97918
	2. China Clay,clay,white-	1	--	11	--	3	--	14	25760	3916
	3. Felspar	Employment with Quartz							24 (PR)	64
	4. Fire-clay	4	--	52	32	--	--	84	51308	11026
	5. Garnet	5	--	1080	22	20	--	1122	11234102	701878
	6. Granite	97	--	2755	22	436	5	3218	693810	2718914
									3635 (PR)	18973
	7. Graphite	1	--	53	--	4	1	58	98917 (PR)	122657
	8. Limestone	67	--	1860	31	344	--	2235	29167604	5444611
									120705 (PR)	20520
	9. Magnesite	9	--	1018	892	30	3	1943	517577	884255
	10. Quartz	6	--	84	146	2	--	232	8926	6302
									4319 (PR)	9932
	11. Silica	3	--	8	32	10	--	50	8921	3128
	12. Sillimanite	2	--	1162	--	288	20	1470	138776	43727

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		Total		
				Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11
13.	Stone	10	--	358	86	92	2	538	1614438	79515
14.	Vermiculite	1	--	15	--	4	--	19	1565	2803
	TOTAL : TAMIL NADU	208	--	8478	1263	1245	31	11017	--	10170138
	UTTARANCHAL									
1.	Apatite & Rock Phospha	3	67	--	--	229	--	296	Nil	Nil
2.	Gold	1	7	--	--	15	--	22	Nil	Nil
3.	Limestone	2	--	31	--	33	--	64	80480	7777
4.	Magnesite	1	--	137	--	51	--	188	43888	56984
									20730 (FN)	9427
									41081 (LM)	15947
5.	Steatite	31	--	1173	50	136	--	1359	3130698	1636583
									12700 (PR)	7620
	TOTAL : UTTARANCHAL	38	74	1341	50	464	--	1929	--	1734338
	UTTAR PRADESH									
1.	Bauxite	4	--	170	49	19	--	238	100	4
									16597 (PR)	4171
2.	Granite	3	--	114	--	111	--	225	18726	221356
3.	Limestone	2	--	120	--	23	--	143	6471791	968920
4.	Sandstone	1	--	36	--	2	--	38	404715	96753
5.	Steatite	1	--	196	--	6	--	202	5513	10380
	TOTAL : UTTAR PRADESH	11	--	636	49	161	--	846	--	1301584
	WEST BENGAL									
1.	Apatite & Rock Phospha	1	--	76	--	19	2	97	Nil	Nil
2.	China Clay,clay,white-	6	--	174	--	160	--	334	86734	51525
									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	31941	6013
									5312 (PR)	3835
6.	Granite	1	--	12	--	1	--	13	Nil	Nil
7.	Stone	22	--	500	--	395	29	924	6106020	130691
	TOTAL : WEST BENGAL	33	--	809	--	610	31	1450	--	195313
	TOTAL : METALLIFEROUS	2230	10372	100261	9066	61289	4366	185354	--	423739916

* Output of all minerals are shown in tonnes except corrundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corrundum, 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 2013 : STATE-DISTRICT WISE

STATE/DISTRICT	MINES SUBMITTING RETURNS	AVERAGE DAILY EMPLOYMENT											OIL		GAS	
		CONTRACT	TOTAL	MEN	WOMEN	SUPERVISORS	CLERKS	DRILLING	PRODUCTION	WORKSHOP	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	1036	2019	2019	--	271	33	--	444	6	2	1263	1703455	34883999	2966151	12911604
ARUNACHAL PRADESH																
Changlang	1	224	283	279	4	11	--	81	13	--	2	176	94101	4321855	22376	13380
ASSAM																
Dibrugarh	4	1361	2542	2516	26	27	79	--	975	--	--	1461	--	--	4891000	33703334
Jorhat	2	2	281	272	9	87	4	--	170	--	16	4	380215	17510000	110458	63700
Sibsagar	13	366	3637	3633	4	1274	3	394	393	--	44	1529	1074683	16109577	498963	1742219
Cachar	1	--	31	31	--	26	--	--	--	--	--	5	197	3538	17773	50754
TOTAL:ASSAM	20	1729	6491	6452	39	1414	86	394	1538	--	60	2999	1455095	33623115	5518194	35560007
BIHAR																
Kishanganj	1	--	41	41	--	--	--	34	--	--	1	6	--	--	--	--
GUJARAT																
Ahmedabad	4	784	1745	1730	15	601	1	62	153	--	--	928	1499823	26935321	246655	1109947
Bharuch	1	1955	4850	4785	65	1664	--	--	--	--	--	3186	1121774	15473677	1188010	4775349
Gandhinagar	3	53	53	47	6	10	--	--	27	--	--	16	17023	665496	7818	254355
Kheda	1	--	4	4	--	--	--	--	3	--	--	1	21814	416335	260739	787432
Mehasana	12	750	3170	3158	12	870	19	2	489	58	3	1729	2292332	43130303	181579	805771
Surat	3	80	202	200	2	36	5	--	38	--	9	114	243803	9349989	264805	2193728
Koira	1	20	95	95	--	7	1	--	87	--	--	--	193085	3951121	8830	53035
Anand	4	54	163	156	7	14	--	--	112	11	4	22	214736	8410636	10231	103602
TOTAL:GUJARAT	29	3696	10282	10175	107	3202	26	64	909	69	16	5996	5604390	108332878	2168667	10083219
JHARKHAND																
Hazaribagh	1	--	17	17	--	--	1	14	--	--	1	1	--	--	--	--
Bokaro	6	147	402	402	--	35	2	71	89	8	7	190	--	--	9054	18113
TOTAL:JHARKHAND	7	147	419	419	--	35	3	85	89	8	8	191	--	--	9054	18113
MADHYA PRADESH																
Shahdol	3	185	241	240	1	64	9	5	5	8	7	143	--	--	360872	1431499
PONDICHERRY																
Karaikal	2	146	730	730	--	7	--	148	126	--	--	449	220595	10652100	128474	11644900
RAJASTHAN																
Barmer	6	--	2447	2447	--	30	4	175	152	--	5	2081	9890660	360046275	502831	2512965
Jaisalmer	2	16	103	103	--	39	14	--	12	--	9	29	--	--	36285	151708
Jodhpur	1	--	2	2	--	--	--	--	--	--	--	2	--	--	--	--
TOTAL:RAJASTHAN	9	16	2552	2552	--	69	18	175	164	--	14	2112	9890660	360046275	539116	2664673

STATEMENT NO. 1.5(Cont..)

STATE/DISTRICT	MINES SUBMI-TTING RETURNS	AVERAGE DAILY EMPLOYMENT											OIL		GAS	
		CONTRACT	TOTAL	MEN	WOMEN	SUPER-VISORS	CLERKS	DRILL-ING	PRODU-CTION	WORK-SHOP	FIRE-SERVICE	OTHERS	Output Tonnes	Value '000 Rs.	Output '000 CM	Value '000 Rs.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
TAMIL NADU																
Thanjavur	1	291	463	463	--	4	--	166	--	--	--	293	249076	10044600	1246759	8923800
Cuddalore	1	42	50	50	--	5	1	17	--	--	--	27	--	--	--	--
NAGAPATTINAM	1	--	83	83	--	8	2	--	14	--	1	58	3907	171758	73141	512804
OFFSHORE	1	124	142	136	6	6	16	--	88	--	--	32	97957	3578977	--	--
TOTAL:TAMIL NADU	4	457	738	732	6	23	19	183	102	--	1	410	350940	13795335	1319900	9436604
TRIPURA																
West Tripura	1	--	74	74	--	--	--	--	67	--	7	--	--	--	--	--
WEST BENGAL																
Birbhum	1	195	298	298	--	7	2	75	9	8	6	191	--	--	863091	4244596
Burdwan	2	1726	1759	1759	--	240	241	259	147	--	3	869	--	--	29016	143628
Midnapore	1	--	44	44	--	1	--	36	--	--	1	6	--	--	--	--
TOTAL:WEST BENGAL	4	1921	2101	2101	--	248	243	370	156	8	10	1066	--	--	892107	4388224
TOTAL: OIL	88	9557	25971	25814	157	5344	437	1539	3613	99	128	14811	19319236	565655557	13924911	88152223

STATEMENT NO. 1.6

CLASSIFICATION OF NON-COAL MINES BY SIZE OF THEIR OVERALL AGERAGE DAILY EMPLOYMENT DURING THE YEAR 2013

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
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Oil	16	13	12	7	9	14	4	7	2	2	2	88
2.	APATITE & ROCK PHOSPHA	1	3	3	--	3	--	--	--	1	--	--	11
3.	BARYTES	3	2	--	--	--	--	--	1	--	--	--	6
4.	BAUXITE	55	35	14	8	7	1	--	1	1	--	--	122
5.	CALCITE	1	--	--	--	--	1	1	--	--	--	--	3
6.	CHINA CLAY,CLAY,WHITE-	65	24	9	1	1	1	--	--	--	--	--	101
7.	CHROMITE	4	3	5	2	3	3	--	4	--	1	1	27
8.	COPPER	--	1	--	--	--	1	1	1	2	--	--	6
9.	DIAMOND	--	--	--	1	--	--	--	--	--	--	--	1
10.	DOLOMITE	16	12	6	1	3	4	--	--	--	--	--	42
11.	FELSPAR	6	4	1	--	--	--	--	--	--	--	--	11
12.	FIRE-CLAY	18	9	--	--	--	--	--	--	--	--	--	27
13.	FLUORITE	--	1	1	--	--	--	--	--	--	--	--	2
14.	GALENA & SPHALARITE	--	1	1	3	5	--	--	1	1	--	0	13
15.	GARNET	1	5	--	--	--	--	--	--	1	--	--	7
16.	GOLD	--	1	1	--	2	--	--	--	--	--	0	5
17.	GRANITE	77	120	29	13	5	4	2	1	--	--	--	251
18.	GRAPHITE	10	3	2	--	--	--	--	--	--	--	--	15
19.	GYPSUM	34	3	--	--	--	--	--	--	--	--	--	37
20.	IRON	95	96	54	31	38	17	9	14	8	3	3	367
21.	KYANITE	3	2	--	--	--	--	--	--	--	--	--	5
22.	LATERITE	4	2	--	2	--	--	--	--	--	--	--	8
23.	LIMESTONE	202	170	113	33	20	11	2	1	3	--	0	556
24.	MAGNESITE	1	5	3	2	2	1	--	--	1	--	--	15
25.	MANGANESE	43	43	21	5	7	8	1	6	3	2	--	139
26.	MARBLE	6	9	1	--	5	--	--	--	1	--	--	22
27.	MICA	19	12	--	--	--	--	--	--	--	--	--	31
28.	OCHRE	2	--	--	--	--	--	--	--	--	--	--	2
29.	QUARTZ	14	17	6	--	--	--	--	--	--	--	--	37
30.	SALT	1	--	--	--	--	--	--	--	--	--	--	1
31.	SANDSTONE	1	2	--	--	--	--	1	1	--	--	--	5
32.	SELENITE	3	--	--	--	--	--	--	--	--	--	--	3
33.	SILICA	17	13	8	1	4	3	--	--	--	--	--	46
34.	SILLIMANITE	2	2	--	--	--	1	2	1	2	--	--	10
35.	SLATE	--	--	2	--	--	--	--	--	--	--	--	2
36.	STEATITE	36	40	14	1	8	2	--	--	--	--	--	101
37.	STONE	87	65	21	4	6	4	--	--	--	--	--	187
38.	VERMICULITE	2	--	--	--	--	--	--	--	--	--	--	2
39.	WOLLASTONITE	--	--	--	--	1	2	--	--	--	--	--	3
40.	DUNITE	1	--	--	--	--	--	--	--	--	--	--	1
TOTAL : NON-COAL		846	718	327	115	129	78	23	39	26	8	9	2318

STATEMENT NO. 1.7

CLASSIFICATION OF NON-COAL MINES HAVING WORKING BELOWGROUND BY SIZE OF THEIR OVERALL & BELOWGROUND AGERAGE DAILY EMPLOYMENT DURING THE YEAR 2013

SL. NO.	MINERAL	BELOWGROUND AVERAGE DAILY EMPLOYMENT	OVERALL 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	2	--	--	--	--	--	--	2
		51 - 75	--	1	--	--	--	--	--	1
2.	Barytes	Upto 50	2	--	--	--	--	--	--	2
3.	Chromite	Upto 50	1	--	--	--	--	--	--	1
		51 - 75	1	1	--	--	--	--	--	2
		301 - 450	--	--	--	2	--	--	--	2
4.	Copper	Upto 50	1	--	--	--	--	--	--	1
		301 - 450	--	--	1	--	1	--	--	2
		451 - 600	--	--	--	1	--	--	--	1
		Above 600	--	--	--	--	1	--	--	1
5.	Felspar	Upto 50	1	--	--	--	--	--	--	1
6.	Galena & Sphalarite	Upto 50	1	--	--	--	--	--	--	1
		51 - 75	1	--	--	--	--	--	--	1
		76 - 150	1	2	--	--	--	--	--	3
		151 - 300	--	2	--	--	--	--	--	2
		301 - 450	--	--	--	1	1	--	--	2
		Above 600	--	--	--	--	--	--	1	1
7.	Gold	Upto 50	2	--	--	--	--	--	--	2
		76 - 150	--	2	--	--	--	--	--	2
		Above 600	--	--	--	--	--	--	1	1
8.	Manganese	Upto 50	2	--	--	--	--	--	--	2
		51 - 75	2	--	--	--	--	--	--	2
		76 - 150	--	2	--	--	--	--	--	2
		151 - 300	--	2	1	1	--	--	--	4
		301 - 450	--	--	--	--	1	--	--	1
		Above 600	--	--	--	--	--	1	--	1
9.	Mica	Upto 50	16	--	--	--	--	--	--	16
10.	Ochre	Upto 50	1	--	--	--	--	--	--	1
11.	Quartz	Upto 50	1	--	--	--	--	--	--	1
12.	Steatite	Upto 50	5	--	--	--	--	--	--	5
		151 - 300	--	1	--	--	--	--	--	1
	All Mineral	Upto 50	35	--	--	--	--	--	--	35
		51 - 75	4	2	--	--	--	--	--	6
		76 - 150	1	6	--	--	--	--	--	7
		151 - 300	--	5	1	1	--	--	--	7
		301 - 450	--	--	1	3	3	--	--	7
		451 - 600	--	--	--	1	--	--	--	1
		Above 600	--	--	--	--	1	1	2	4
TOTAL : NON-COAL			40	13	2	5	4	1	2	67

STATEMENT NO. 1.8

AVERAGE DAILY EMPLOYMENT, EXPLOSIVES AND MACHINERY USED IN NON-COAL MINES DURING THE YEAR 2013: DGMS FIELD OFFICEWISE

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
1. KODERMA											
Oil	7	--	--	--	443	443	--	--	27786	8944674 (GS)	17753
Limestone	3	--	--	113	39	152	69399	1470	325	540472	217003
Mica	5	2	36	22	26	84	2041	--	40	3293057	9482
Quartz	2	--	--	31	7	38	--	--	--	57648	18907
Steatite	2	--	--	15	4	19	2115	--	90	24380	3245
Stone	6	--	--	93	51	144	21385	4986	494	2192946	657843
TOTAL : KODERMA	25	2	36	274	570	880	94940	6456	28735	--	924233
2. GUWAHATI											
Oil	22	--	--	--	6848	6848	--	--	360857	575984	12451666
										2790661129 (GS)	19905467
Dolomite	1	--	--	--	31	31	--	--	--	Nil	Nil
Limestone	17	--	--	529	153	682	537440	24477	2731	52003825	1516896
TOTAL : GUWAHATI	40	--	--	529	7032	7561	537440	24477	363588	--	33874029
3. SITARAMPUR I											
Oil	1	--	--	--	33	33	--	--	4941	Nil	Nil
Stone	1	--	--	9	15	24	1750	--	50	9714	1066
TOTAL : SITARAMPUR I	2	--	--	9	48	57	1750	--	4991	--	1066
4. SITARAMPUR II											
Oil	3	--	--	--	2068	2068	--	--	37307	863091380 (GS)	4244596
Apatite & Rock Phospha	1	--	--	76	21	97	--	72	360	Nil	Nil
China Clay,clay,white-	6	--	--	174	160	334	--	--	547	86734	51525
										18215 (PR)	1730
Felspar	1	--	--	15	2	17	--	--	--	668	207
										2708 (LM)	1312
Fire-clay	1	--	--	32	2	34	--	--	--	31941	6013
										5312 (PR)	3835
Granite	1	--	--	12	1	13	3188	--	7	Nil	Nil
Limestone	1	--	--	58	--	58	7526	--	23	Nil	Nil
Stone	21	--	--	491	409	900	110032	5740	4462	6096306	129624
TOTAL : SITARAMPUR II	35	--	--	858	2663	3521	120746	5812	42706	--	4438843
5. SITARAMPUR III											
China Clay,clay,white-	3	--	--	98	330	428	--	--	552	75165	7742
										52776 (PR)	9915
Sandstone	1	--	--	24	7	31	--	--	22	11254	2251
Steatite	1	--	--	22	1	23	930	--	40	Nil	Nil
Stone	88	--	--	1008	1040	2048	379633	2166	4355	11402140	680531
										586707 (PR)	19525
TOTAL : SITARAMPUR III	93	--	--	1152	1378	2530	380563	2166	4969	--	719965

STATEMENT NO. 1.8(CONT…)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT B/G	O/C	A/G	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	11	12
6. AHMEDABAD											
Oil	24	--	--	--	5135	5135	--	--	171128	4016815	78542471
										696228980 (GS)	2778358
Bauxite	37	--	--	555	56	611	53927	4441	137	1929482	957352
China Clay,clay,white-	22	--	--	252	58	310	--	198	1053	147822	33424
										14153 (PR)	7141
Fire-clay	2	--	--	36	--	36	--	--	--	7550	755
Limestone	50	--	--	1801	178	1979	1423504	64765	3473	25143641	4192112
										1749317 (PR)	125901
Marble		Employment,Explosives and Machinery with Limestone								1739499	433540
Stone	1	--	--	28	29	57	11770	--	250	101719	10172
TOTAL : AHMEDABAD	136	--	--	2672	5456	8128	1489201	69404	176041	--	87081227
7. SURAT											
Oil	3	--	--	--	202	202	--	--	3791	234062	9157557
										182481653 (GS)	1786231
Apatite & Rock Phospha	1	--	--	149	14	163	12800	--	--	Nil	Nil
China Clay,clay,white-	5	--	--	90	--	90	--	--	--	82320	9435
Fluorite	1	--	--	23	3	26	--	1050	520	Nil	Nil
Manganese	3	--	--	216	76	292	--	9690	--	100076	56042
Ochre	1	--	--	16	--	16	--	--	--	592	59
Stone	1	--	--	20	78	98	48179	1474	390	55788	7197
TOTAL : SURAT	15	--	--	514	373	887	60979	12214	4701	--	11016522
8. UDAIPUR											
Oil	2	--	--	--	4945	4945	--	--	63794	193085	3951121
										8830000 (GS)	53035
Apatite & Rock Phospha	4	--	--	772	432	1204	2487602	14039	3252	1688922	8512851
Barytes	1	--	--	11	6	17	555	250	--	5820	2619
Calcite	2	--	--	338	117	455	64914	1198	198	152254	75682
China Clay,clay,white-	4	--	--	37	29	66	--	230	203	166810	58855
										8200 (FN)	6150
										5534 (PR)	9131
Dolomite	1	--	--	--	2	2	--	--	--	88637	53899
Galena & Sphalarite	9	6	1800	--	1395	3195	2560002	--	66849	7613485	20185814
										11848 (PR)	14834
Limestone	21	--	--	1022	458	1480	5325824	155176	50317	37326150	4292172
Marble	13	--	--	1544	411	1955	21398	36122	18828	2772860	2988498
										93600 (PR)	898762
Steatite	33	3	269	1213	400	1882	683859	13771	2716	491730	709799
Stone	2	--	--	50	23	73	1808	--	260	149225	18489
Wollastonite	3	--	--	642	218	860	176932	7589	483	190620	167882
TOTAL : UDAIPUR	95	9	2069	5629	8436	16134	11322894	228375	206900	--	41999594
9. AJMER											
Oil	9	--	--	--	2552	2552	--	--	106870	36284630 (GS)	151708
Calcite	1	--	--	297	98	395	61384	1128	148	93695	58317
China Clay,clay,white-	26	--	--	358	92	450	456	5300	24	993144	405022
										79289 (PR)	10092
Copper	2	2	897	--	940	1837	576595	270	30220	1006159	1878574

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
Felspar	Employment,Explosives and Machinery with Mica									21076	5092
Fire-clay	9	--	--	138	11	149	--	--	--	474138	51183
Galena & Sphalarite	3	3	538	--	717	1255	995941	13349	9607	240295	269789
Gypsum	34	--	--	145	86	231	--	23030	--	3637704	2726861
Iron	2	--	--	369	466	835	534307	17535	25515	2196636	6089353
										47620 (LM)	36005
										689619 (PR)	705851
Limestone	27	--	--	1485	483	1968	7094677	59632	36677	28010100	4404140
										2529293 (FN)	1214061
										1590955 (PR)	254060
Marble	5	--	--	101	42	143	3343	2310	55	144400	104457
Mica	2	--	--	13	--	13	--	--	5	53537	23762
Quartz	3	--	--	77	17	94	5365	--	--	17464	3694
										186627 (PR)	349067
Sandstone	1	--	--	403	21	424	8075	3778	284	88132	195100
Selenite	3	--	--	14	8	22	--	322	5	6532	9089
Silica	5	--	--	142	303	445	31379	4620	1625	26845	8054
										195476 (PR)	77772
Steatite	15	--	--	567	55	622	165951	14112	491	397640	168331
Stone	3	--	--	115	100	215	26400	550	--	252519	53961
TOTAL : AJMER	150	5	1435	4224	5991	11650	9503873	145936	211526	--	19253396
10. GWALIOR											
Apatite & Rock Phospha	1	--	--	39	3	42	4775	--	--	11004	21556
Bauxite	5	--	--	246	21	267	2312	--	--	2029	81
										16597 (PR)	4171
Granite	4	--	--	299	131	430	11303	10777	540	18726	221356
Laterite	1	--	--	112	21	133	152575	6680	1062	1720177	276782
Limestone	59	--	--	5407	466	5873	1190876	71974	16559	31766077	6740941
										111283 (PR)	5970
Steatite	6	--	--	592	27	619	14221	50	--	57551	54139
TOTAL : GWALIOR	77	--	--	6841	669	7510	1376112	89481	18201	--	7324996
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
Gold	1	1	7	--	15	22	45	--	3	Nil	Nil
Gypsum	3	--	--	111	10	121	6636	--	--	54785	34786
Limestone	40	--	--	1135	182	1317	1671524	57845	4476	15708351	2348363
										18577 (PR)	3674
Magnesite	1	--	--	137	51	188	31431	745	283	43888	56984
										20730 (FN)	9427
										41081 (LM)	15947
Marble	1	--	--	10	4	14	--	--	170	18127	17708
Salt	1	--	--	--	11	11	--	--	8	Nil	Nil
Sandstone	1	--	--	16	--	16	--	400	--	226986	8371
Silica	15	--	--	1522	407	1929	501772	1607	1003	9417552	1628433
										347116 (PR)	49533
Slate	2	--	--	167	12	179	--	1071	20	150164	142392
Steatite	31	--	--	1223	136	1359	--	--	--	3130698	1636583
										12700 (PR)	7620
Stone	23	--	--	2117	207	2324	1224080	20156	1620	11240872	817185
										6639167 (PR)	464322
TOTAL : GHAZIABAD	125	4	90	6488	1280	7858	3436171	81824	9900	--	7246872

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
12. VARANASI											
Limestone	4	--	--	185	43	228	1336630	27388	467	9108799	1286516
Sandstone	1	--	--	36	2	38	19443	1632	--	404715	96753
Steatite	2	--	--	91	6	97	9497	770	43	104230	75244
										63433 (PR)	39568
TOTAL : VARANASI	7	--	--	312	51	363	1365570	29790	510	--	1498081
13. GOA											
Bauxite	23	--	--	552	94	646	175548	12285	1845	3694743	759718
										715345 (PR)	138197
Dolomite	2	--	--	47	10	57	342	--	--	71337	27357
Granite	7	--	--	621	112	733	60790	10006	414	202060	1079077
Iron	100	--	--	4475	2303	6778	358210	329490	45940	18318321	6357492
										4909493 (FN)	1335129
										1035217 (LM)	646244
										223313 (PR)	250668
Laterite	1	--	--	102	11	113	--	1710	200	159350 (PR)	25018
Limestone	7	--	--	91	23	114	23223	1991	100	256399	37886
Manganese	14	--	--	458	85	543	40	11580	1960	2103656	2325751
										43367 (PR)	68352
Silica	10	--	--	225	166	391	894	--	1654	388750	93595
										84932 (PR)	46263
Stone	20	--	--	555	106	661	394222	20232	1741	1291416	445719
TOTAL : GOA	184	--	--	7126	2910	10036	1013269	387294	53854	--	13636467
14. HYDERABAD I											
Oil	7	--	--	--	2019	2019	--	--	142499	Nil	Nil
Apatite & Rock Phospha	1	1	27	--	12	39	2158	--	60	3765	7831
Barytes	1	--	--	29	3	32	100	--	--	5325	2130
China Clay,clay,white-	4	--	--	47	3	50	--	--	12	33170	24380
										36910 (PR)	34
Dolomite	1	--	--	64	105	169	197500	5046	2184	549954	332700
Fire-clay	2	--	--	19	1	20	--	--	--	3202	311
Garnet	2	--	--	38	38	76	--	--	--	156329	14902
										59328 (PR)	620512
Granite	13	--	--	423	56	479	424124	2125	153	40130	273077
										8511 (PR)	14344
Laterite	3	--	--	47	4	51	--	2242	--	1421582	219639
Limestone	7	--	--	287	192	479	1324415	29499	4020	6211528	1301455
Manganese	29	--	--	1097	71	1168	23291	6042	952	436092	642559
										2529 (PR)	12643
Quartz	2	--	--	37	--	37	--	--	--	4425	714
										3995 (PR)	654
Sillimanite	Employment,Explosives and Machinery with Sandstone									35360 (PR)	229875
TOTAL : HYDERABAD I	73	1	27	2263	2851	5141	1971588	44954	160774	--	3697759
15. NELLORE SUB-											
Felspar	3	--	--	83	9	92	42883	--	150	449594	95685
										23820 (PR)	40613
Limestone	1	--	--	20	23	43	583254	3476	434	1290167	205137
Mica	9	7	121	35	79	235	9680	125	845	1466555	30891
Quartz	3	--	--	42	32	74	4407	--	10	20600	11124
										945 (PR)	280
Silica	1	--	--	20	--	20	--	--	--	61110	2464

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
Stone	1	--	--	48	2	50	--	--	--	6301	1385
Vermiculite	1	--	--	16	4	20	--	--	--	6353	635
TOTAL : NELLORE SUB-	19	7	121	264	149	534	640224	3601	1439	--	388213
16. HYDERABAD II											
Felspar	3	--	--	47	6	53	4039	--	--	26798	6971
Galena & Sphalarite	1	1	10	--	30	40	--	--	215	1079	811
Granite	3	--	--	47	2	49	2310	--	--	2194	14623
Limestone	43	--	--	2054	1436	3490	6146839	87143	11851	39894227	5184065
Quartz	9	--	--	179	14	193	10766	1550	10	285615	83742
Stone	3	--	--	53	4	57	945	78	--	7688	1530
TOTAL : HYDERABAD II	62	1	10	2380	1492	3882	6164899	88771	12076	--	5291742
17. NELLORE SUB-											
Barytes	3	1	9	378	327	714	533923	16778	3580	1253806	5058833
										2905 (FN)	9145
China Clay,clay,white-	3	--	--	102	1	103	--	--	--	129245	14682
Felspar	2	1	24	26	6	56	1204	--	19	241967	5224
										7232 (PR)	12448
Granite	88	--	--	4309	1698	6007	766368	98107	20878	1176513	11168124
										37644 (PR)	440950
Iron	1	--	--	5	--	5	--	--	--	Nil	Nil
Limestone	23	--	--	883	221	1104	4230560	110866	30107	42392326	8686476
Mica	13	6	68	81	71	220	18877	--	1332	4881514	55592
Quartz	1	--	--	9	--	9	--	--	--	135	82
Silica	4	--	--	64	--	64	--	--	--	58616	22141
TOTAL : NELLORE SUB-	138	8	101	5857	2324	8282	5550932	225751	55916	--	25473696
18. RAIGARH											
Dolomite	3	--	--	144	2	146	21335	--	30	307934	99532
Limestone	1	--	--	94	3	97	181103	6661	428	1666621	149725
TOTAL : RAIGARH	4	--	--	238	5	243	202438	6661	458	--	249257
19. BHUBANESWAR											
Bauxite	3	--	--	348	378	726	1654672	13697	7077	7437593	3287423
Chromite	23	4	814	3249	5836	9899	1197014	117956	21273	2074430	9194406
										408246 (FN)	436290
										195283 (LM)	638186
										385432 (PR)	1506703
Fire-clay	5	--	--	114	14	128	--	--	--	18559	4973
Granite	1	--	--	26	4	30	496	1290	235	6002	31361
Graphite	11	--	--	212	18	230	--	200	30	24353	13387
Iron	43	--	--	5394	6123	11517	3708284	132327	115804	35264575	29317675
										7527658 (FN)	7371205
										10177872 (LM)	11005737
										13530143 (PR)	13240861
Limestone	6	--	--	618	55	673	532233	24236	3883	2178603	881590
Manganese	10	--	--	1544	1170	2714	385384	24385	175	237380	486313
										231572 (PR)	282932
Quartz	5	--	--	163	9	172	4160	--	--	47239	39419
										1454 (PR)	144
Sillimanite	2	--	--	244	1222	1466	--	10200	7100	24179	193529
										225173 (PR)	245104
Stone	1	--	--	10	5	15	185	--	--	24106	10788
TOTAL : BHUBANESWAR	110	4	814	11922	14834	27570	7482428	324291	155577	--	78188024

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
20. CHAIBASA											
Bauxite	2	--	--	7	3	10	--	--	--	Nil	Nil
China Clay,clay,white-	7	--	--	86	114	200	--	139	187	42122	16063
										16386 (PR)	6839
Copper	3	3	1187	--	369	1556	256763	--	8452	399887	436351
Dolomite	3	--	--	136	142	278	55752	4792	735	246551	91131
Fire-clay	1	--	--	20	--	20	--	--	--	6360	1049
Gold	1	1	36	--	16	52	8700	--	69	5052	22367
Graphite	1	--	--	17	--	17	--	--	--	2645	714
Iron	87	--	--	9530	12258	21788	4966076	222552	142337	35937095	30947069
										12335337 (FN)	7832400
										5942747 (LM)	5522402
										15118266 (PR)	14481493
Kyanite	1	--	--	36	5	41	335	--	--	2198	2607
Limestone	22	--	--	2117	987	3104	1605884	42762	16359	6489414	1472503
Magnesite	1	--	--	47	10	57	29	--	--	18551	12986
Manganese	32	--	--	1332	990	2322	189877	20130	135	566149	502689
										549992 (PR)	1058069
Quartz	4	1	18	67	18	103	8050	45	69	15613	40442
Steatite	1	--	--	25	11	36	2617	195	3	11787	177
Stone	1	--	--	27	--	27	6703	500	--	116946 (PR)	39096
TOTAL : CHAIBASA	167	5	1241	13447	14923	29611	7100786	291115	168346	--	62486448
21. RAIGARH											
Bauxite	10	--	--	1248	126	1374	161370	15184	550	1276213	646732
Limestone	1	--	--	28	1	29	28775	2240	--	81623	26824
Quartz	2	--	--	125	7	132	7066	--	--	29912	4677
TOTAL : RAIGARH	13	--	--	1401	134	1535	197211	17424	550	--	678233
22. RANCHI											
Bauxite	18	--	--	1421	279	1700	578331	16920	362	2443306	1220494
Dolomite	1	--	--	250	44	294	133575	6240	--	276077	214220
Graphite	2	--	--	33	2	35	--	--	10	3515	23
Limestone	7	--	--	205	277	482	11946	--	--	66652	14973
										38767 (PR)	60586
Mica	2	1	15	--	11	26	246	--	20	19354	71
Stone	1	--	--	15	1	16	493	--	--	1080	54
TOTAL : RANCHI	31	1	15	1924	614	2553	724591	23160	392	--	1510420
23. 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
24. BANGALURU											
Bauxite	3	--	--	26	17	43	44	--	--	323805	97918
China Clay,clay,white-	16	--	--	238	472	710	--	88	1597	547922	112725
										2225 (FN)	16997
										27724 (PR)	7794
Chromite	4	1	66	66	131	263	637	205	360	5268	15055
Dolomite	Employment,Explosives and Machinery with Limestone									6250	5335
Felspar	2	--	--	17	9	26	--	--	--	476	238
										24 (PR)	64
Granite	52	--	--	1231	198	1429	122469	14755	997	1294969	1974426
										162400 (PR)	1087211

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
Iron	25	--	--	1404	236	1640	2784	48909	4328	6542652	3302082
										589547 (FN)	612014
										149225 (LM)	182542
										85340 (PR)	23469
Laterite	2	--	--	24	9	33	17570	--	2	85148	16156
Limestone	19	--	--	672	329	1001	1723244	36587	11164	7594274	1287772
										598661 (PR)	59866
Magnesite	13	--	--	2058	86	2144	381247	12304	804	540224	921687
										75046 (PR)	21137
Manganese	9	--	--	159	49	208	1225	1855	109	304999	199174
										3570 (PR)	491
Quartz	3	--	--	89	2	91	1053	--	--	4139	4681
										4319 (PR)	9932
Silica	8	--	--	34	8	42	--	--	--	57380	44394
Sillimanite	1	--	--	179	469	648	--	2038	5221	40818 (PR)	216658
Stone	2	--	--	34	8	42	39608	580	--	125703	37610
Dunite	1	--	--	6	--	6	--	--	--	8586	1146
TOTAL : BANGALURU	160	1	66	6237	2023	8326	2289881	117321	24582	--	10258573
25. BELLARY											
China Clay,clay,white-	2	--	--	32	--	32	270	--	--	23987	1325
Dolomite	13	--	--	340	13	353	171029	--	515	1038291	207438
										5900 (FN)	1180
										24388 (LM)	10975
										20 (PR)	6
Gold	3	3	1656	--	1672	3328	398318	2320	1394	690837	3129948
Granite	10	--	--	601	125	726	39539	13750	838	70029	912334
Iron	88	--	--	3974	1819	5793	2443920	154820	20713	11162156	8627498
										9969849 (FN)	18165787
										4327788 (LM)	12116587
										4250936 (PR)	6086095
Limestone	58	--	--	989	310	1299	4017895	53557	9971	15936667	1740514
										3570 (PR)	648
Manganese	7	--	--	896	951	1847	23696	2500	277	101666	528605
										12000 (LM)	2640
										76542 (PR)	186827
Steatite	10	3	26	103	42	171	6820	350	401	70966	18610
										6030 (PR)	4523
TOTAL : BELLARY	191	6	1682	6935	4932	13549	7101487	227297	34109	--	51741538
26. CHENNAI											
Oil	6	--	--	--	1468	1468	--	--	81008	347033	13623577
										1246759060 (GS)	8923800
China Clay,clay,white-	1	--	--	11	3	14	--	--	5	25760	3916
Fire-clay	4	--	--	84	--	84	--	--	--	51308	11026
Garnet	5	--	--	1102	20	1122	--	--	--	11234102	701878
Granite	72	--	--	2104	368	2472	656902	26235	1843	586578	2517299
										2635 (PR)	12947
Graphite	1	--	--	53	5	58	64191	--	--	98917 (PR)	122657
Limestone	59	--	--	1615	259	1874	5284279	86396	12906	26915432	4938009
										120705 (PR)	20520
Quartz	3	--	--	141	--	141	3614	--	--	4787	1621
Silica	3	--	--	40	10	50	--	--	--	8921	3128
Sillimanite	2	--	--	1162	308	1470	--	--	3277	138776	43727
Stone	10	--	--	444	94	538	183950	3943	110	1614438	79515
Vermiculite	1	--	--	15	4	19	--	--	--	1565	2803
TOTAL : CHENNAI	167	--	--	6771	2539	9310	6192936	116574	99149	--	31006421

STATEMENT NO. 1.8(CONT…)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT B/G	O/C	A/G	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	11	12
27. BELLARY SUB-											
China Clay,clay,white-	Employment,Explosives and Machinery with Limestone									5067	223
Dolomite	Employment,Explosives and Machinery with Limestone									528	98
Steatite	Employment,Explosives and Machinery with Limestone									372	103
TOTAL : BELLARY SUB-	1	--	--	4	15	19	1020	--	55	--	424
28. BILASPUR											
Bauxite	3	--	--	449	35	484	212620	4087	--	500863	316202
										113515 (PR)	13668
Dolomite	8	--	--	662	525	1187	1145153	13385	3488	1984374	664386
Iron	12	--	--	2159	2071	4230	3300545	104668	28943	1926955	1025119
										12417300 (FN)	24488233
										7162242 (LM)	18638339
										1625866 (PR)	1096812
Limestone	18	--	--	970	516	1486	5131728	104453	42205	32695952	4397068
										1731346 (PR)	328401
TOTAL : BILASPUR	41	--	--	4240	3147	7387	9790046	226593	74636	--	50968228
29. JABALPUR											
Oil	3	--	--	--	241	241	--	--	2174	360872237 (GS)	1431499
Bauxite	12	--	--	599	42	641	15101	959	--	565685	185407
Diamond	1	--	--	31	70	101	206550	6202	2098	36514	5111100
Dolomite	3	--	--	69	10	79	6422	--	--	42464	46908
Fire-clay	3	--	--	58	4	62	--	--	--	35318	2029
Iron	6	--	--	46	67	113	--	5854	334	Nil	Nil
										331585 (FN)	182402
										55402 (LM)	29112
										60107 (PR)	18032
Laterite	1	--	--	40	1	41	--	--	--	21750	653
Limestone	45	--	--	2994	1002	3996	7353401	149276	31570	38465896	6611504
										780372 (PR)	136498
Marble	3	--	--	62	29	91	8051	3833	1596	317130	103680
Ochre	1	1	14	--	5	19	--	--	--	970	78
TOTAL : JABALPUR	78	1	14	3899	1471	5384	7589525	166124	37772	--	13858902
30. NAGPUR I											
Copper	1	--	--	218	125	343	2967676	--	5672	2483954	2406951
Dolomite	3	--	--	242	10	252	893	--	39	5397	1911
Iron	1	--	--	36	11	47	--	--	--	10110	3340
Kyanite	4	--	--	71	3	74	--	--	--	6427	1513
Manganese	32	11	2649	2841	2807	8297	1184717	57481	20587	1847508	6569341
										768332 (PR)	5092268
Sillimanite	5	--	--	321	39	360	2600	3080	1671	7644	2050
										1081 (LM)	6486
										48513 (PR)	359106
Stone	1	--	--	21	35	56	1021	--	30	16578	1409
TOTAL : NAGPUR I	47	11	2649	3750	3030	9429	4156907	60561	27999	--	14444375
31. PARASIA SUB-											
Dolomite	1	--	--	16	4	20	10877	--	--	97088	6017
Limestone	1	--	--	35	31	66	215955	1845	503	781753	217280
Manganese	3	1	2	29	22	53	--	75	37	2060	5695
										571 (PR)	1256
TOTAL : PARASIA SUB-	5	1	2	80	57	139	226832	1920	540	--	230248

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
32. NAGPUR II											
Dolomite	2	--	--	30	13	43	5811	744	82	117775	30358
										97963 (PR)	27727
Fluorite	1	--	--	48	7	55	92	--	--	3095 (LM)	1832
Iron	2	--	--	179	8	187	17151	390	--	250609	56387
Limestone	13	--	--	435	143	578	2058945	36074	60653	9290958	1015242
TOTAL : NAGPUR II	18	--	--	692	171	863	2081999	37208	60735	--	1131546
TOTAL : ALL INDIA	2318	67	10372	109327	91626	211325	100241071	3064706	2041727	--	580758757

* Output of all minerals are shown in tonnes except corrundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corrundum, 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 2013: OWNERWISE

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	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
1. ALMORA MAGNISITE LTD.											
Magnesite	1	--	--	137	51	188	31431	745	283	43888	56984
										20730 (FN)	9427
										41081 (LM)	15947
Steatite	0	--	--	--	--	--	--	--	--	Nil	Nil
OWNER TOTAL :	1	--	--	137	51	188	31431	745	283	--	82358
2. THE BISRA STONE LIME CO. LTD.											
Limestone	22	--	--	2720	964	3684	1799356	30551	8006	5315118	2488749
3. BURN STANDARD CO. LTD.											
Magnesite	3	--	--	1344	6	1350	--	--	100	231095	416116
4. CANORO RESOURCES LTD											
Oil	2	--	--	--	38	38	--	--	121	14735	281228
										50827000 (GS)	119952
5. DEMPO MINING CORPN. LTD.											
Iron	10	--	--	764	628	1392	197927	57975	7523	6418548 (FN)	1088344
										327584 (LM)	146913
6. HINDUSTAN OIL EXPLORATION COMPANY LIMITED											
Oil	Employment,Explosives and Machinery with Iron									5	137
7. GUJARAT STATE PETROLEUM CORPORATION LTD.											
Oil	Employment,Explosives and Machinery with Oil									21814	416335
										279560712 (GS)	974132
8. HARYANA MINERALS LTD.											
Slate	18	--	--	676	153	829	1874661	47624	8002	11153211	4193480
Stone	14	--	--	1395	112	1507	1149705	18606	1620	9149328	664332
										6639167 (PR)	464322
OWNER TOTAL :	32	--	--	2071	265	2336	3024366	66230	9622	--	5322133
9. HINDUSTAN SALT LTD.											
Salt	2	1	308	--	181	489	23180	--	5336	9471	6563
10. HINDUSTAN ZINC LTD.											
Apatite & Rock Phospha	1	--	--	144	22	166	581747	8094	30	184700	369580
Galena & Sphalarite	4	3	197	--	347	544	330856	3974	5907	18167	20046
										Nil	Nil
OWNER TOTAL :	5	3	197	144	369	710	912603	12068	5937	--	389626
11. INDUSTRIAL DEV. CORPN. OF ODISHA LTD.											
Chromite	1	--	--	372	234	606	1250	4900	243	5838760	1553640
Limestone	3	--	--	289	30	319	523733	10997	95	1133576	382762
OWNER TOTAL :	4	--	--	661	264	925	524983	15897	338	--	1936402

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	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
12. KARANPURA DEV. CO. LTD.											
Limestone	2	--	--	124	21	145	751446	8070	--	2568823	625983
13. LARSEN & TOUBRO LTD.											
Oil	1	--	--	--	15	15	--	--	58	4175	79245
										123000 (GS)	369
Limestone	0	--	--	--	--	--	--	--	--	Nil	Nil
Stone	2	--	--	20	28	48	505	--	80	79386	12861
OWNER TOTAL :	3	--	--	20	43	63	505	--	138	--	92476
14. MALABAR CEMENT LTD.											
Limestone	12	--	--	369	216	585	885792	10308	5041	3411353 (PR)	572964
15. MINERAL ORIENTAL LTD.											
Marble	9	2	497	1881	1065	3443	430246	24809	6433	1006016	5509410
16. NORTH BENGAL DOLOMITE CO.											
Dolomite	29	1	66	1188	1079	2333	1751378	54720	4776	15814547	17665543
17. OIL & NATURAL GAS CORPORATION LTD.											
Oil	26	--	--	--	6705	6705	--	--	374316	5411354	115097356
										3200481037 (GS)	15156071
18.											
Oil	Employment,Explosives and Machinery with Oil									197	3538
19. OIL & NATURAL GAS CORPORATION LTD.											
OWNER TOTAL :	26	--	--	--	6705	6705	--	--	374316	--	130253427
20. OIL INDIA LTD.											
Oil	4	--	--	--	2049	2049	--	--	83388	Nil	Nil
										2454632000 (GS)	19039862
21. PYRITES PHOSPHATES & CHEMICALS LTD.											
Apatite & Rock Phospha	21	2	67	2082	1755	3904	167975	6613	4308	2951135	4268965
22. RAJASTHAN STATE MINERAL DEV. CORPN. LTD.											
Apatite & Rock Phospha	3	--	--	86	14	100	4275	410	--	30770	6691
Limestone	1	--	--	44	3	47	2995	--	--	106485	13311
OWNER TOTAL :	4	--	--	130	17	147	7270	410	--	--	20001
23. SRINIVASA KRUPA AGENCY											
Apatite & Rock Phospha	1	--	--	574	400	974	1901580	5535	3222	1474307	8137200
Gypsum	1	--	--	5	4	9	--	150	--	96655	50634
Limestone	3	--	--	262	141	403	1472200	11554	3512	1042683	1378537
										2529293 (FN)	1214061
Selenite	1	--	--	10	2	12	--	192	--	6532	9089
OWNER TOTAL :	6	--	--	851	547	1398	3373780	17431	6734	--	10789521

STATEMENT NO. 1.9(Cont..)

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT B/G	O/C	A/G	TOTAL	EXPLOSIVES USED (in 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
24. RAW MATERIAL DIVISION (SAIL)											
Dolomite	3	--	--	704	224	928	220690	10122	370	434048	320291
Iron	1	--	--	89	535	624	636756	15370	8120	Nil	Nil
										2604662 (FN)	280700
										1296010 (LM)	161808
										Nil	Nil
Limestone	2	--	--	31	60	91	1500	95	50	564964	121977
										Nil	Nil
OWNER TOTAL :	6	--	--	824	819	1643	858946	25587	8540	--	884775
25. RELIANCE INDUSSTRIES LIMITED											
Oil	3	--	--	--	264	264	--	--	2711	Nil	Nil
										360872237 (GS)	1431499
26. S.K.SARAWAGI & CO. PVT. LTD.											
Manganese	9	--	--	561	35	596	23116	864	555	157235	249719
27. S.N.SUNDERSON & CO.											
Limestone	2	--	--	35	3	38	--	--	40	13184	923
28. SHANKARLAL GANGARAM THAKKAR											
China Clay,clay,white-	10	--	--	172	--	172	--	--	--	106157	11819
29. TAMIL NADU MAGNESITE LTD.											
Magnesite	2	--	--	198	16	214	234051	2460	147	196420	282238
30. TATA IRON & STEEL CO. LTD.											
Chromite	51	--	--	1922	1775	3697	781477	16338	5455	1080025	3028129
										115582 (LM)	620435
Dolomite	0	--	--	--	--	--	--	--	--	Nil	Nil
Iron	1	--	--	136	184	320	33865	975	1534	568188	3623958
										Nil	Nil
										Nil	Nil
Limestone	1	--	--	69	5	74	287478	5794	140	1846981	37798
Magnesite	1	--	--	36	27	63	10478	681	344	10686	10106
										75046 (PR)	21137
Manganese	1	--	--	178	170	348	75430	2938	70	62721	127265
										Nil	Nil
OWNER TOTAL :	55	--	--	2341	2161	4502	1188728	26726	7543	--	7468829
31. TRAVANCORE CEMENT LTD.											
Limestone	1	--	--	57	--	57	--	--	101	14190	12615
32. U.P.STATE MINERAL DEV.CORPN.LTD.											
Bauxite	1	--	--	48	7	55	921	--	--	6420 (PR)	1520
33. WEST BENGAL PROJECTS LTD.											
China Clay,clay,white-	4	--	--	270	26	296	48586	5645	82	62857	87453
TOTAL : ORGANISED SECTOR	299	9	1135	20834	20953	42922	16859832	385277	549819	--	212942068
TOTAL : UNORGANISED SECTOR	2019	58	9237	88493	70673	168403	83381239	2679429	1491908	--	2133317422
TOTAL : ALL OWNERS	2318	67	10372	109327	91626	211325	100241071	3064706	2041727	--	2346259490

* Output of all minerals are shown in tonnes except corrundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corrundum, 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)
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	1,079	186,865	109	5,842	622	97,219	13,146	2,693,511
2011	883	71	17,733	2,369	549,562	9,104	1,7835,96	627	201335	1,197	214,198	108	5,644	1,192	227,116	14,668	2,999,234
2012	943	22	7,043	2,617	613,828	9,2461	1,8606,62	745	225,389	1,215	205,196	83	4,788	840	123,629	14,888	3,062,896
2013	956	58	7,305	2,774	637,280	8,763	1,8093,00	746	229,001	1,357	233,049	91	5,681	736	116,441	14,662	3,064,706

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2013 : MINERAL-STATEWISE

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	APATITE & ROCK PHOSPHATE											
	ANDHRA PRADESH	1	--	--	1	20	2	20	4	20	--	--
	RAJASTHAN	2	--	--	--	--	--	--	23	1190	4	1900
	UTTARANCHAL	2	--	--	2	75	6	250	3	53	4	1400
	WEST BENGAL	1	1	50	3	270	--	--	--	--	1	40
TOTAL :	APATITE & ROCK PHOSPHA	6	1	50	6	365	8	270	30	1263	9	3340
2.	BARYTES											
	ANDHRA PRADESH	2	--	--	--	--	1	20	11	3385	1	150
3.	BAUXITE											
	CHHATTISHGARH	5	--	--	--	--	--	--	1	110	--	--
	GUJARAT	4	--	--	--	--	--	--	6	47	--	--
	JHARKHAND	3	--	--	--	--	3	43	9	132	10	166
	KARNATAKA	1	--	--	--	--	--	--	1	100	--	--
	MAHARASHTRA	3	--	--	--	--	--	--	19	91	13	227
	ORISSA	1	--	--	--	--	--	--	23	1320	4	920
TOTAL :	BAUXITE	17	--	--	--	--	3	43	59	1800	27	1313
4.	CALCITE											
	RAJASTHAN	2	--	--	--	--	--	--	12	66	25	210
5.	CHINA CLAY,CLAY,WHITE-CLAY											
	ANDHRA PRADESH	1	--	--	--	--	--	--	2	12	--	--
	GUJARAT	6	1	2	--	--	7	875	13	136	6	95
	JHARKHAND	6	--	--	--	--	--	--	20	350	52	354
	KERALA	10	--	--	--	--	--	--	61	360	83	1134
	ORISSA	1	--	--	--	--	--	--	2	20	--	--
	RAJASTHAN	3	--	--	--	--	--	--	3	24	--	--
	TAMIL NADU	1	--	--	--	--	--	--	1	5	--	--
	WEST BENGAL	3	--	--	--	--	--	--	13	118	11	149
TOTAL :	CHINA CLAY,CLAY,WHITE-	31	1	2	--	--	7	875	115	1025	152	1732
6.	CHROMITE											
	KARNATAKA	1	2	75	2	10	--	--	2	48	--	--
	ORISSA	16	7	850	14	425	8	305	121	6562	229	8528
TOTAL :	CHROMITE	17	9	925	16	435	8	305	123	6610	229	8528
7.	COPPER											
	JHARKHAND	2	2	832	3	810	2	330	5	380	3	120
	MADHYA PRADESH	1	--	--	--	--	--	--	4	1130	--	--
	RAJASTHAN	2	2	5700	6	1414	3	320	7	190	--	--
TOTAL :	COPPER	5	4	6532	9	2224	5	650	16	1700	3	120

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
8.	DIAMOND											
	MADHYA PRADESH	1	--	--	--	--	--	--	3	268	57	1684
9.	DOLOMITE											
	ANDHRA PRADESH	2	--	--	--	--	1	100	5	295	36	495
	CHHATTISHGARH	9	--	--	--	--	--	--	18	656	58	2658
	MAHARASHTRA	2	--	--	--	--	--	--	2	39	7	82
	ORISSA	1	--	--	--	--	--	--	2	235	--	--
TOTAL :	DOLOMITE	14	--	--	--	--	1	100	27	1225	101	3235
10.	FELSPAR											
	ANDHRA PRADESH	3	--	--	--	--	--	--	5	168	--	--
11.	FLUORITE											
	GUJARAT	1	--	--	--	--	--	--	--	--	--	--
12.	GALENA & SPHALARITE											
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	30	--	--
	RAJASTHAN	12	7	2265	11	3106	--	--	37	1288	558	26042
TOTAL :	GALENA & SPHALARITE	13	7	2265	11	3106	--	--	38	1318	558	26042
13.	GOLD											
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--
	KARNATAKA	2	6	345	3	73	--	--	1	5	--	--
TOTAL :	GOLD	3	6	345	4	83	1	10	2	8	--	--
14.	GRANITE											
	ANDHRA PRADESH	65	--	--	--	--	7	1173	139	2290	51	5981
	KARNATAKA	8	1	40	1	20	--	--	31	355	6	60
	KERALA	5	--	--	3	1	--	--	15	357	17	264
	ORISSA	1	--	--	--	--	--	--	2	60	--	--
	TAMIL NADU	15	--	--	--	--	--	--	17	204	--	--
	UTTAR PRADESH	3	--	--	--	--	--	--	--	--	--	--
	WEST BENGAL	1	--	--	--	--	--	--	1	7	--	--
TOTAL :	GRANITE	98	1	40	4	21	7	1173	205	3273	74	6305
15.	GRAPHITE											
	JHARKHAND	1	--	--	--	--	--	--	2	10	--	--
	ORISSA	3	--	--	--	--	--	--	5	30	--	--
TOTAL :	GRAPHITE	4	--	--	--	--	--	--	7	40	--	--

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
16. IRON												
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	128	2	220
	CHHATTISHGARH	6	--	--	--	--	--	--	41	5763	142	11823
	GOA	47	--	--	--	--	2	110	139	17131	204	25034
	JHARKHAND	11	--	--	--	--	--	--	62	9230	661	56481
	KARNATAKA	28	--	--	--	--	32	280	31	3899	159	17235
	MADHYA PRADESH	5	--	--	--	--	--	--	4	254	1	80
	MAHARASHTRA	2	--	--	--	--	--	--	2	840	4	523
	ORISSA	47	--	--	37	185	--	--	254	14425	1467	86772
	RAJASTHAN	2	--	--	--	--	--	--	3	205	500	25310
TOTAL : IRON		149	--	--	37	185	34	390	537	51875	3140	223478
17. LATERITE												
	KARNATAKA	1	--	--	--	--	--	--	1	5	1	60
	KERALA	1	--	--	--	--	--	--	1	2	--	--
	RAJASTHAN	1	--	--	--	--	--	--	3	210	--	--
TOTAL : LATERITE		3	--	--	--	--	--	--	5	217	1	60
18. LIMESTONE												
	ANDAMAN & NICOBAR IS	1	--	--	--	--	--	--	1	23	--	--
	ANDHRA PRADESH	56	--	--	13	36	26	2845	184	8160	64	5207
	ASSAM	2	--	--	--	--	--	--	--	--	--	--
	BIHAR	1	--	--	--	--	1	125	1	110	2	90
	CHHATTISHGARH	18	--	--	--	--	4	2649	78	6750	53	16626
	GUJARAT	8	--	--	--	--	3	1140	7	180	--	--
	HIMACHAL PRADESH	5	--	--	--	--	1	38	11	503	3	3016
	JHARKHAND	3	--	--	1	60	1	120	10	415	--	--
	KARNATAKA	13	--	--	--	--	--	--	47	3546	24	22190
	KERALA	2	1	10	1	1	--	--	6	15	21	1672
	MEGHALAYA	2	--	--	--	--	3	370	2	20	--	--
	MADHYA PRADESH	29	1	90	13	328	12	1894	126	6089	74	16366
	MAHARASHTRA	5	--	--	--	--	14	6100	160	47759	33	6503
	ORISSA	12	--	--	--	--	--	--	40	1983	120	10022
	RAJASTHAN	63	--	--	3	17	33	899	140	10706	207	29043
	TAMIL NADU	45	--	--	--	--	2	600	123	5669	160	6859
TOTAL : LIMESTONE		265	2	100	31	442	100	16780	936	91928	761	117594
19. MAGNESITE												
	KARNATAKA	2	--	--	--	--	--	--	4	81	9	273
	TAMIL NADU	5	--	--	--	--	--	--	6	140	--	--
	UTTARANCHAL	1	--	--	--	--	--	--	--	--	8	255
TOTAL : MAGNESITE		8	--	--	--	--	--	--	10	221	17	528

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
20.	MANGANESE											
	ANDHRA PRADESH	19	--	--	--	--	--	--	47	922	--	--
	GOA	5	--	--	--	--	--	--	8	325	27	1555
	KARNATAKA	3	--	--	--	--	--	--	22	290	10	96
	MADHYA PRADESH	16	6	920	6	610	8	365	67	2258	65	187
	MAHARASHTRA	11	3	470	5	250	4	200	35	2802	30	722
	ORISSA	6	--	--	--	--	--	--	13	225	--	--
TOTAL :	MANGANESE	60	9	1390	11	860	12	565	192	6822	132	2560
21.	MARBLE											
	GUJARAT	4	--	--	--	--	--	--	48	196	85	3516
	MADHYA PRADESH	3	--	--	--	--	--	--	14	290	3	700
	RAJASTHAN	10	2	80	--	--	1	10	112	1036	13	113
TOTAL :	MARBLE	17	2	80	--	--	1	10	174	1522	101	4329
22.	MICA											
	ANDHRA PRADESH	19	9	130	19	205	17	172	30	294	11	73
	BIHAR	1	--	--	1	10	--	--	1	10	--	--
	JHARKHAND	1	1	10	--	--	--	--	--	--	--	--
	RAJASTHAN	1	--	--	--	--	--	--	1	5	--	--
TOTAL :	MICA	22	10	140	20	215	17	172	32	309	11	73
23.	QUARTZ											
	ANDHRA PRADESH	2	--	--	--	--	--	--	2	20	--	--
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--
TOTAL :	QUARTZ	3	--	--	1	10	1	10	3	23	--	--
24.	SALT											
	HIMACHAL PRADESH	1	--	--	1	8	--	--	--	--	--	--
25.	SANDSTONE											
	ANDHRA PRADESH	1	--	--	--	--	--	--	121	4160	340	3744
	JHARKHAND	1	--	--	--	--	--	--	1	22	--	--
	RAJASTHAN	1	--	--	--	--	--	--	3	30	3	59
TOTAL :	SANDSTONE	3	--	--	--	--	--	--	125	4212	343	3803
26.	SELENITE											
	RAJASTHAN	1	--	--	--	--	--	--	1	5	--	--
27.	SILICA											
	HARYANA	4	--	--	--	--	--	--	64	408	4	470
	MAHARASHTRA	6	--	--	--	--	--	--	5	111	60	1016
	RAJASTHAN	4	--	--	--	--	--	--	13	145	14	1045
TOTAL :	SILICA	14	--	--	--	--	--	--	82	664	78	2531

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
28.	SILLIMANITE											
	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
29.	SLATE											
	HARYANA	1	--	--	--	--	--	--	2	20	--	--
30.	STEATITE											
	ANDHRA PRADESH	2	--	--	--	--	--	--	3	28	--	--
	BIHAR	1	--	--	--	--	--	--	6	90	--	--
	JHARKHAND	1	--	--	--	--	--	--	1	40	--	--
	ORISSA	1	--	--	--	--	--	--	2	3	--	--
	RAJASTHAN	14	--	--	1	10	7	105	38	1374	6	524
TOTAL :	STEATITE	19	--	--	1	10	7	105	50	1535	6	524
31.	STONE											
	BIHAR	3	--	--	--	--	--	--	15	225	21	177
	GOA	5	--	--	--	--	1	32	3	20	--	--
	GUJARAT	3	--	--	--	--	1	8	6	155	19	327
	HARYANA	1	--	--	--	--	--	--	--	--	--	--
	JHARKHAND	39	--	--	1	40	--	--	21	329	17	2660
	KARNATAKA	1	--	--	--	--	--	--	--	--	--	--
	MAHARASHTRA	2	--	--	--	--	--	--	--	--	--	--
	RAJASTHAN	1	--	--	--	--	--	--	2	20	--	--
	TAMIL NADU	2	--	--	--	--	--	--	2	30	2	80
	WEST BENGAL	19	--	--	--	--	--	--	23	348	29	3646
TOTAL :	STONE	76	--	--	1	40	2	40	72	1127	88	6890
32.	WOLLASTONITE											
	RAJASTHAN	3	--	--	--	--	--	--	10	207	26	136
TOTAL :	METALLIFEROUS	867	52	11869	153	8004	215	21518	3056	187801	6844	422284

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	APATITE & ROCK PHOSPHATE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	7	60
	RAJASTHAN	3	162	--	--	--	--	--	--	--	30	3252
	UTTARANCHAL	3	9	4	20	--	--	--	--	--	22	1807
	WEST BENGAL	--	--	--	--	--	--	--	--	--	5	360
TOTAL :	APATITE & ROCK PHOSPHA	6	171	4	20	--	--	--	--	--	64	5479
2.	BARYTES											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	13	3555
3.	BAUXITE											
	CHHATTISHGARH	4	440	--	--	--	--	--	--	--	5	550
	GUJARAT	--	--	1	90	--	--	--	--	--	7	137
	JHARKHAND	2	6	--	--	--	--	2	15		26	362
	KARNATAKA	--	--	--	--	--	--	--	--		1	100
	MAHARASHTRA	20	1200	--	--	2	79	12	148		66	1745
	ORISSA	1	200	--	--	--	--	30	4637		58	7077
TOTAL :	BAUXITE	27	1846	1	90	2	79	44	4800		163	9971
4.	CALCITE											
	RAJASTHAN	4	70	--	--	--	--	--	--	--	41	346
5.	CHINA CLAY,CLAY,WHITE-CLAY											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	2	12
	GUJARAT	13	98	--	--	--	--	7	50		47	1256
	JHARKHAND	--	--	--	--	--	--	--	--		72	704
	KERALA	9	65	--	--	--	--	10	38		163	1597
	ORISSA	--	--	--	--	--	--	1	15		3	35
	RAJASTHAN	--	--	--	--	--	--	--	--		3	24
	TAMIL NADU	--	--	--	--	--	--	--	--		1	5
	WEST BENGAL	--	--	--	--	--	--	4	280		28	547
TOTAL :	CHINA CLAY,CLAY,WHITE-	22	163	--	--	--	--	22	383		319	4180
6.	CHROMITE											
	KARNATAKA	4	6	--	--	--	--	1	125		11	264
	ORISSA	36	384	--	--	--	--	23	2794		438	19848
TOTAL :	CHROMITE	40	390	--	--	--	--	24	2919		449	20112
7.	COPPER											
	JHARKHAND	28	410	8	2000	--	--	--	--	--	51	4882
	MADHYA PRADESH	47	743	--	--	--	--	7	3799		58	5672
	RAJASTHAN	28	472	--	--	--	--	61	10941		107	19037
TOTAL :	COPPER	103	1625	8	2000	--	--	68	14740		216	29591

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
8.	DIAMOND											
	MADHYA PRADESH	9	146	--	--	--	--	--	--	--	69	2098
9.	DOLOMITE											
	ANDHRA PRADESH	12	80	--	--	--	--	--	28	1729	82	2699
	CHHATTISHGARH	4	204	--	--	--	--	--	--	--	80	3518
	MAHARASHTRA	--	--	--	--	--	--	--	--	--	9	121
	ORISSA	6	40	--	--	--	--	--	15	460	23	735
TOTAL :	DOLOMITE	22	324	--	--	--	--	--	43	2189	194	7073
10.	FELSPAR											
	ANDHRA PRADESH	--	--	--	--	--	--	--	1	1	6	169
11.	FLUORITE											
	GUJARAT	--	--	3	520	--	--	--	--	--	3	520
12.	GALENA & SPHALARITE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	1	30
	RAJASTHAN	36	687	8	2012	--	--	--	475	17056	1132	52456
TOTAL :	GALENA & SPHALARITE	36	687	8	2012	--	--	--	475	17056	1133	52486
13.	GOLD											
	JHARKHAND	1	1	--	--	--	--	--	--	--	4	24
	KARNATAKA	4	100	3	570	--	--	--	--	--	17	1093
TOTAL :	GOLD	5	101	3	570	--	--	--	--	--	21	1117
14.	GRANITE											
	ANDHRA PRADESH	64	1653	22	3332	--	--	--	176	6467	459	20896
	KARNATAKA	11	72	4	240	--	--	--	10	600	64	1387
	KERALA	5	6	1	60	6	34	3	190	50	912	
	ORISSA	--	--	--	--	--	--	--	3	175	5	235
	TAMIL NADU	--	--	7	590	--	--	--	17	1134	41	1928
	UTTAR PRADESH	3	540	--	--	--	--	--	--	--	3	540
	WEST BENGAL	--	--	--	--	--	--	--	--	--	1	7
TOTAL :	GRANITE	83	2271	34	4222	6	34	209	8566	623	25905	
15.	GRAPHITE											
	JHARKHAND	--	--	--	--	--	--	--	--	--	2	10
	ORISSA	--	--	--	--	--	--	--	--	--	5	30
TOTAL :	GRAPHITE	--	--	--	--	--	--	--	--	--	7	40

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
16. IRON												
	ANDHRA PRADESH	--	--	--	--	--	--	1	76	4	424	
	CHHATTISHGARH	70	1237	--	--	--	--	64	10120	317	28943	
	GOA	72	754	2	12	--	--	47	713	466	43754	
	JHARKHAND	181	2100	5	330	--	--	13	838	922	68979	
	KARNATAKA	27	1197	1	50	11	163	25	2516	286	25340	
	MADHYA PRADESH	--	--	--	--	--	--	--	--	5	334	
	MAHARASHTRA	--	--	--	--	--	--	1	100	7	1463	
	ORISSA	130	4866	17	2713	17	230	1541	79971	3463	189162	
	RAJASTHAN	--	--	--	--	--	--	--	--	503	25515	
TOTAL : IRON		480	10154	25	3105	28	393	1692	94334	5973	383914	
17. LATERITE												
	KARNATAKA	--	--	--	--	4	60	6	75	12	200	
	KERALA	--	--	--	--	--	--	--	--	1	2	
	RAJASTHAN	--	--	--	--	--	--	5	852	8	1062	
TOTAL : LATERITE		--	--	--	--	4	60	11	927	21	1264	
18. LIMESTONE												
	ANDAMAN & NICOBAR IS	--	--	--	--	--	--	--	--	1	23	
	ANDHRA PRADESH	60	953	11	503	3	556	204	14746	565	33006	
	ASSAM	6	302	1	225	--	--	1	5	8	532	
	BIHAR	--	--	--	--	--	--	--	--	4	325	
	CHHATTISHGARH	45	667	--	--	--	--	98	15941	278	42633	
	GUJARAT	4	7	4	195	1	1719	5	232	24	3473	
	HIMACHAL PRADESH	13	71	--	--	15	848	--	--	43	4476	
	JHARKHAND	7	45	3	569	--	--	6	43	28	1252	
	KARNATAKA	13	272	9	2802	--	--	20	3253	113	32063	
	KERALA	7	63	--	--	--	--	1	30	37	1791	
	MEGHALAYA	3	965	--	--	--	--	1	844	9	2199	
	MADHYA PRADESH	61	779	3	35	--	--	129	25448	419	51029	
	MAHARASHTRA	25	136	2	155	--	--	--	--	234	60653	
	ORISSA	5	35	4	808	--	--	107	5394	276	18242	
	RAJASTHAN	78	4638	2	155	1	20	519	39586	983	85064	
	TAMIL NADU	7	66	3	156	--	--	19	398	314	13748	
TOTAL : LIMESTONE		334	8999	42	5603	20	3143	1110	105920	3336	350509	
19. MAGNESITE												
	KARNATAKA	3	27	1	169	--	--	--	--	17	550	
	TAMIL NADU	17	88	--	--	--	--	3	26	26	254	
	UTTARANCHAL	--	--	1	3	--	--	1	25	10	283	
TOTAL : MAGNESITE		20	115	2	172	--	--	4	51	53	1087	

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
20.	MANGANESE											
	ANDHRA PRADESH	--	--	--	--	--	--	2	30	49	952	
	GOA	--	--	--	--	--	--	3	80	38	1960	
	KARNATAKA	--	--	--	--	--	--	--	--	32	386	
	MADHYA PRADESH	33	201	20	2911	--	--	6	186	211	7638	
	MAHARASHTRA	34	182	2	290	--	--	24	1386	137	6302	
	ORISSA	--	--	--	--	--	--	1	85	14	310	
TOTAL :	MANGANESE	67	383	22	3201	--	--	36	1767	481	17548	
21.	MARBLE											
	GUJARAT	32	172	20	659	--	--	25	1075	210	5618	
	MADHYA PRADESH	--	--	2	120	--	--	16	486	35	1596	
	RAJASTHAN	161	5055	74	4820	--	--	58	2321	421	13435	
TOTAL :	MARBLE	193	5227	96	5599	--	--	99	3882	666	20649	
22.	MICA											
	ANDHRA PRADESH	11	50	8	460	--	--	17	482	122	1866	
	BIHAR	--	--	--	--	--	--	--	--	2	20	
	JHARKHAND	--	--	--	--	--	--	--	--	1	10	
	RAJASTHAN	--	--	--	--	--	--	--	--	1	5	
TOTAL :	MICA	11	50	8	460	--	--	17	482	126	1901	
23.	QUARTZ											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	2	20	
	JHARKHAND	1	1	--	--	--	--	--	--	4	24	
TOTAL :	QUARTZ	1	1	--	--	--	--	--	--	6	44	
24.	SALT											
	HIMACHAL PRADESH	--	--	--	--	--	--	--	--	1	8	
25.	SANDSTONE											
	ANDHRA PRADESH	22	2535	--	--	--	--	1	455	484	10894	
	JHARKHAND	--	--	--	--	--	--	--	--	1	22	
	RAJASTHAN	1	45	--	--	--	--	5	150	12	284	
TOTAL :	SANDSTONE	23	2580	--	--	--	--	6	605	497	11200	
26.	SELENITE											
	RAJASTHAN	--	--	--	--	--	--	--	--	1	5	
27.	SILICA											
	HARYANA	6	10	--	--	--	--	1	10	75	898	
	MAHARASHTRA	18	45	--	--	--	--	3	482	86	1654	
	RAJASTHAN	--	--	--	--	28	120	20	420	75	1730	
TOTAL :	SILICA	24	55	--	--	28	120	24	912	236	4282	

STATEMENT NO. 2.2(Cont..)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
28.	SILLIMANITE											
	ANDHRA PRADESH	20	228	--	--	--	--	10	390	390	7100	
	KERALA	1	3	16	1238	--	--	--	--	455	5221	
	MAHARASHTRA	10	22	--	--	--	--	7	27	295	1671	
	TAMIL NADU	640	3277	--	--	--	--	--	--	640	3277	
TOTAL :	SILLIMANITE	671	3530	16	1238	--	--	17	417	1780	17269	
29.	SLATE											
	HARYANA	--	--	--	--	--	--	--	--	2	20	
30.	STEATITE											
	ANDHRA PRADESH	--	--	--	--	--	--	2	373	5	401	
	BIHAR	--	--	--	--	--	--	--	--	6	90	
	JHARKHAND	--	--	--	--	--	--	--	--	1	40	
	ORISSA	--	--	--	--	--	--	--	--	2	3	
	RAJASTHAN	5	86	--	--	--	--	7	980	64	3079	
TOTAL :	STEATITE	5	86	--	--	--	--	9	1353	78	3613	
31.	STONE											
	BIHAR	--	--	1	50	--	--	--	--	37	452	
	GOA	--	--	--	--	--	--	14	1570	18	1622	
	GUJARAT	3	18	2	130	--	--	24	262	55	900	
	HARYANA	--	--	--	--	--	--	9	1620	9	1620	
	JHARKHAND	12	372	4	306	--	--	18	690	73	4397	
	KARNATAKA	--	--	--	--	--	--	6	99	6	99	
	MAHARASHTRA	10	20	--	--	--	--	1	30	11	50	
	RAJASTHAN	--	--	--	--	--	--	8	20	10	40	
	TAMIL NADU	--	--	--	--	--	--	--	--	4	110	
	WEST BENGAL	12	182	2	20	--	--	6	316	72	4512	
TOTAL :	STONE	37	592	9	506	--	--	86	4607	295	13802	
32.	WOLLASTONITE											
	RAJASTHAN	7	42	--	--	--	--	3	98	46	483	
TOTAL :	METALLIFEROUS	2230	39608	281	29318	88	3829	4000	266009	16919	990240	

STATEMENT NO. 2.3

USAGE OF MACHINERY IN BELOW GROUND IN METALLIFEROUS MINES DURING THE YEAR 2013

SL. NO.	MINERAL / STATE	NO.OF MINES USING BG MACHINERY	WINDING		HAULAGE		VENTILATION		PUMPING		CONVEYOR		ELECT. TRACT.		OTHERS		TOTAL	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1. APATITE & ROCK PHOSPHATE																		
	UTTARANCHAL	2	1	120	1	50	1	50	3	240	3	50	--	--	--	--	9	510
2. BARYTES																		
	ANDHRA PRADESH	1	--	--	--	--	1	15	1	10	--	--	--	--	--	--	2	25
3. CHROMITE																		
	KARNATAKA	1	--	--	--	--	4	96	--	--	--	--	--	--	--	--	4	96
	ORISSA	3	--	--	1	60	16	310	18	821	--	--	4	70	6	164	45	1425
TOTAL : CHROMITE		4	--	--	1	60	20	406	18	821	--	--	4	70	6	164	49	1521
4. COPPER																		
	JHARKHAND	3	2	60	3	275	6	90	18	1390	8	395	18	340	14	1020	69	3570
	RAJASTHAN	2	10	3396	11	1537	38	1040	10	1610	6	135	16	235	76	3230	167	11183
TOTAL : COPPER		5	12	3456	14	1812	44	1130	28	3000	14	530	34	575	90	4250	236	14753
5. GALENA & SPHALARITE																		
	ANDHRA PRADESH	1	--	--	1	75	1	50	2	60	--	--	--	--	--	--	4	185
	RAJASTHAN	9	5	1710	5	456	60	5345	86	6988	11	755	2	180	84	8566	253	24000
TOTAL : GALENA & SPHALARITE		10	5	1710	6	531	61	5395	88	7048	11	755	2	180	84	8566	257	24185
6. GOLD																		
	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45
	KARNATAKA	2	--	--	2	16	3	30	11	255	--	--	--	--	--	--	16	301
	UTTARANCHAL	1	--	--	--	--	1	3	--	--	--	--	--	--	--	--	1	3
TOTAL : GOLD		4	--	--	3	26	5	43	13	280	--	--	--	--	--	--	21	349
7. LIMESTONE																		
	JHARKHAND	1	--	--	--	--	--	--	9	748	--	--	--	--	--	--	9	748
8. MANGANESE																		
	MADHYA PRADESH	3	1	170	5	125	--	--	34	2959	--	--	12	240	5	15	57	3509
	MAHARASHTRA	5	--	--	1	50	2	20	33	3087	--	--	--	--	1	18	37	3175
TOTAL : MANGANESE		8	1	170	6	175	2	20	67	6046	--	--	12	240	6	33	94	6684
9. MICA																		
	ANDHRA PRADESH	5	3	35	2	15	1	8	16	143	--	--	--	--	12	110	34	311
	BIHAR	1	--	--	--	--	--	--	2	20	--	--	--	--	--	--	2	20
	JHARKHAND	1	--	--	--	--	--	--	2	10	--	--	--	--	--	--	2	10
TOTAL : MICA		7	3	35	2	15	1	8	20	173	--	--	--	--	12	110	38	341
10. QUARTZ																		
	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45
11. STEATITE																		
	RAJASTHAN	2	--	--	--	--	--	--	13	171	--	--	--	--	--	--	13	171
TOTAL : METALLIFEROUS		45	22	5491	34	2679	136	7077	262	18562	28	1335	52	1065	198	13123	732	49332

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2013

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
1. APATITE & ROCK PHOSPHATE												
	RAJASTHAN	3	--	--	13	2904	50	7327	8	750	--	--
	WEST BENGAL	1	--	--	--	--	--	--	--	--	1	72
TOTAL : APATITE & ROCK PHOSPHA		4	--	--	13	2904	50	7327	8	750	1	72
2. BARYTES												
	ANDHRA PRADESH	1	--	--	8	2400	32	12800	2	800	1	108
	RAJASTHAN	1	--	--	1	250	--	--	--	--	--	--
TOTAL : BARYTES		2	--	--	9	2650	32	12800	2	800	1	108
3. BAUXITE												
	CHHATTISHGARH	8	--	--	30	4489	60	12002	5	895	7	895
	GUJARAT	17	--	--	2	345	25	2131	--	--	17	1343
	JHARKHAND	11	--	--	27	4436	87	12958	--	--	10	1026
	KARNATAKA	1	--	--	3	490	8	1125	--	--	--	--
	MADHYA PRADESH	1	--	--	1	239	4	720	--	--	--	--
	MAHARASHTRA	8	--	--	15	3036	40	4715	1	413	8	1076
	ORISSA	3	--	--	14	2646	50	4670	12	3546	14	1161
TOTAL : BAUXITE		49	--	--	92	15681	274	38321	18	4854	56	5501
4. CALCITE												
	RAJASTHAN	3	--	--	4	445	7	745	2	360	8	776
5. CHINA CLAY,CLAY,WHITE-CLAY												
	GUJARAT	4	2	130	1	68	--	--	--	--	1	50
	JHARKHAND	1	--	--	--	--	2	67	--	--	1	72
	KERALA	1	--	--	1	88	--	--	--	--	--	--
	RAJASTHAN	6	2	250	5	815	27	3850	--	--	3	225
TOTAL : CHINA CLAY,CLAY,WHITE-		12	4	380	7	971	29	3917	--	--	5	347
6. CHROMITE												
	KARNATAKA	1	--	--	--	--	2	129	--	--	1	76
	ORISSA	15	--	--	64	12835	399	81628	65	11178	39	5367
TOTAL : CHROMITE		16	--	--	64	12835	401	81757	65	11178	40	5443
7. COPPER												
	RAJASTHAN	2	--	--	--	--	2	220	--	--	--	--
8. DIAMOND												
	MADHYA PRADESH	1	--	--	3	721	6	3446	3	960	3	722
9. DOLOMITE												
	ANDHRA PRADESH	1	--	--	4	1046	8	3040	1	340	2	430
	CHHATTISHGARH	3	--	--	4	1240	27	5260	3	820	29	5820
	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	--	--	16	3536	114	17612	4	1160	40	7464

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
	1. APATITE & ROCK PHOSPHATE										
	RAJASTHAN	--	--	--	--	1	186	16	2872	88	14039
	WEST BENGAL	--	--	--	--	--	--	--	--	1	72
	TOTAL : APATITE & ROCK PHOSPHA	--	--	--	--	1	186	16	2872	89	14111
	2. BARYTES										
	ANDHRA PRADESH	--	--	--	--	1	220	3	450	47	16778
	RAJASTHAN	--	--	--	--	--	--	--	--	1	250
	TOTAL : BARYTES	--	--	--	--	1	220	3	450	48	17028
	3. BAUXITE										
	CHHATTISHGARH	--	--	--	--	--	--	9	990	111	19271
	GUJARAT	4	360	--	--	--	--	4	262	52	4441
	JHARKHAND	--	--	--	--	--	--	6	441	130	18861
	KARNATAKA	--	--	--	--	--	--	--	--	11	1615
	MADHYA PRADESH	--	--	--	--	--	--	--	--	5	959
	MAHARASHTRA	--	--	--	--	--	--	8	1430	72	10670
	ORISSA	--	--	--	--	4	665	6	1009	100	13697
	TOTAL : BAUXITE	4	360	--	--	4	665	33	4132	481	69514
	4. CALCITE										
	RAJASTHAN	--	--	--	--	--	--	--	--	21	2326
	5. CHINA CLAY,CLAY,WHITE-CLAY										
	GUJARAT	4	180	--	--	--	--	--	--	8	428
	JHARKHAND	--	--	--	--	--	--	--	--	3	139
	KERALA	--	--	--	--	--	--	--	--	1	88
	RAJASTHAN	4	160	--	--	--	--	--	--	41	5300
	TOTAL : CHINA CLAY,CLAY,WHITE-	8	340	--	--	--	--	--	--	53	5955
	6. CHROMITE										
	KARNATAKA	--	--	--	--	--	--	--	--	3	205
	ORISSA	1	40	--	--	8	990	36	5918	612	117956
	TOTAL : CHROMITE	1	40	--	--	8	990	36	5918	615	118161
	7. COPPER										
	RAJASTHAN	1	50	--	--	--	--	--	--	3	270
	8. DIAMOND										
	MADHYA PRADESH	--	--	--	--	1	145	1	208	17	6202
	9. DOLOMITE										
	ANDHRA PRADESH	1	50	--	--	1	140	--	--	17	5046
	CHHATTISHGARH	--	--	--	--	--	--	1	245	64	13385
	JHARKHAND	--	--	--	--	--	--	--	--	59	6240
	MAHARASHTRA	--	--	--	--	--	--	--	--	6	744
	ORISSA	--	--	--	--	--	--	--	--	31	4792
	TOTAL : DOLOMITE	1	50	--	--	1	140	1	245	177	30207

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
10. FLUORITE												
	GUJARAT	1	--	--	3	510	--	--	2	540	--	--
11. GALENA & SPHALARITE												
	RAJASTHAN	3	--	--	--	--	22	8170	4	367	8	4687
12. GOLD												
	KARNATAKA	2	--	--	2	300	8	2020	--	--	--	--
13. GRANITE												
	ANDHRA PRADESH	81	4	960	208	46999	172	42293	8	2211	19	5786
	GOA	1	--	--	2	268	--	--	--	--	--	--
	KARNATAKA	12	--	--	54	11113	57	9357	3	350	12	2470
	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	59	--	--	76	14362	125	14507	--	--	2	1085
	UTTAR PRADESH	3	--	--	9	2624	6	1255	2	960	--	--
TOTAL : GRANITE		164	4	960	375	80323	397	72219	14	3681	35	9768
14. GRAPHITE												
	ORISSA	1	--	--	--	--	2	200	--	--	--	--
15. GYPSUM												
	RAJASTHAN	12	1	50	12	1760	218	20595	--	--	2	270
16. IRON												
	ANDHRA PRADESH	1	--	--	1	128	2	220	--	--	1	76
	CHHATTISHGARH	9	10	3874	32	10803	250	61552	31	13787	16	4041
	GOA	42	--	--	166	44526	1016	180393	79	28370	148	31110
	JHARKHAND	12	--	--	39	14676	84	40838	30	9144	26	7857
	KARNATAKA	70	--	--	276	47756	805	124967	37	10194	201	23373
	MADHYA PRADESH	5	--	--	8	1152	24	2764	2	520	8	1328
	MAHARASHTRA	9	--	--	33	6879	118	15616	17	5618	18	3105
	ORISSA	60	30	1063	369	63360	733	143243	68	20309	236	27862
	RAJASTHAN	2	--	--	24	3778	62	10600	4	2000	5	657
TOTAL : IRON		210	40	4937	948	193058	3094	580193	268	89942	659	99409
17. 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

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
10.	FLUORITE										
	GUJARAT	--	--	--	--	--	--	--	--	5	1050
11.	GALENA & SPHALARITE										
	RAJASTHAN	--	--	--	--	1	125	--	--	35	13349
12.	GOLD										
	KARNATAKA	--	--	--	--	--	--	--	--	10	2320
13.	GRANITE										
	ANDHRA PRADESH	2	350	--	--	--	--	47	3053	460	101652
	GOA	--	--	--	--	--	--	--	--	2	268
	KARNATAKA	--	--	--	--	--	--	13	893	139	24183
	KERALA	1	35	--	--	--	--	2	150	35	4173
	MADHYA PRADESH	--	--	--	--	--	--	3	330	29	5403
	ORISSA	--	--	--	--	--	--	--	--	8	1290
	TAMIL NADU	--	--	--	--	--	--	39	4748	242	34702
	UTTAR PRADESH	--	--	--	--	--	--	5	535	22	5374
TOTAL :	GRANITE	3	385	--	--	--	--	109	9709	937	177045
14.	GRAPHITE										
	ORISSA	--	--	--	--	--	--	--	--	2	200
15.	GYPSUM										
	RAJASTHAN	7	285	--	--	--	--	2	70	242	23030
16.	IRON										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	4	424
	CHHATTISHGARH	6	380	--	--	11	2439	23	7792	379	104668
	GOA	--	--	--	--	18	3139	13	2405	1440	289943
	JHARKHAND	--	--	--	--	10	2119	15	3420	204	78054
	KARNATAKA	1	50	--	--	7	1355	32	2834	1359	210529
	MADHYA PRADESH	--	--	--	--	--	--	1	90	43	5854
	MAHARASHTRA	--	--	--	--	2	530	3	965	191	32713
	ORISSA	5	328	--	--	16	3406	104	17254	1561	276825
	RAJASTHAN	--	--	--	--	2	500	--	--	97	17535
TOTAL :	IRON	12	758	--	--	66	13488	191	34760	5278	1016545
17.	LATERITE										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	7	2242
	KARNATAKA	--	--	--	--	--	--	--	--	10	1710
	RAJASTHAN	--	--	--	--	--	--	--	--	35	6680
TOTAL :	LATERITE	--	--	--	--	--	--	--	--	52	10632

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
18. LIMESTONE												
	ANDHRA PRADESH	62	2	405	144	43149	476	135299	50	15795	41	10675
	ASSAM	5	--	--	2	408	19	1129	--	--	--	--
	BIHAR	1	--	--	2	370	10	1100	--	--	--	--
	CHHATTISHGARH	15	--	--	58	21765	156	64155	28	10994	28	8636
	GUJARAT	20	3	203	36	7095	192	37835	16	8122	32	6028
	HIMACHAL PRADESH	11	--	--	39	15592	77	34332	17	4854	5	649
	JHARKHAND	3	--	--	8	2587	11	7118	3	945	2	525
	JAMMU & KASHMIR	1	--	--	2	250	8	1280	1	320	--	--
	KARNATAKA	21	--	--	57	17434	189	67853	18	7246	10	3334
	KERALA	1	--	--	4	1492	16	2270	--	--	--	--
	MEGHALAYA	9	--	--	18	4678	76	15435	6	1250	4	738
	MADHYA PRADESH	37	--	--	131	40943	428	119818	49	14392	81	18627
	MAHARASHTRA	7	--	--	23	7454	68	20884	16	5985	4	1103
	ORISSA	8	--	--	41	11453	116	34738	5	1672	7	986
	RAJASTHAN	70	2	20	187	46252	787	151957	50	15524	84	14092
	TAMIL NADU	47	--	--	105	24493	317	56015	32	9218	21	2752
	UTTAR PRADESH	2	--	--	8	2945	49	13885	3	924	--	--
TOTAL : LIMESTONE		320	7	628	865	248360	2995	765103	294	97241	319	68145
19. 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
20. MANGANESE												
	ANDHRA PRADESH	10	--	--	12	1641	35	3134	2	420	6	772
	GOA	3	--	--	11	1298	92	8714	3	1328	2	240
	GUJARAT	2	--	--	5	1466	3	530	--	--	--	--
	KARNATAKA	5	--	--	14	977	51	2122	1	200	11	1056
	MADHYA PRADESH	11	--	--	19	3559	80	18577	7	1441	28	7408
	MAHARASHTRA	5	--	--	32	9431	88	18524	9	2795	8	1492
	ORISSA	13	--	--	47	8863	175	29873	9	2119	16	2090
TOTAL : MANGANESE		49	--	--	140	27235	524	81474	31	8303	71	13058
21. MARBLE												
	GUJARAT	4	--	--	21	2425	22	4248	--	--	5	480
	MADHYA PRADESH	3	--	--	4	893	9	1775	--	--	6	1115
	RAJASTHAN	7	1	150	38	9858	50	14097	2	345	15	4821
TOTAL : MARBLE		14	1	150	63	13176	81	20120	2	345	26	6416
22. MICA												
	ANDHRA PRADESH	1	--	--	--	--	--	--	--	--	--	--
23. QUARTZ												
	ANDHRA PRADESH	2	--	--	2	450	10	1100	--	--	--	--
	JHARKHAND	1	--	--	--	--	--	--	--	--	--	--
TOTAL : QUARTZ		3	--	--	2	450	10	1100	--	--	--	--

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
18. LIMESTONE											
	ANDHRA PRADESH	8	606	--	--	2	320	27	2993	750	209242
	ASSAM	--	--	--	--	--	--	--	--	21	1537
	BIHAR	--	--	--	--	--	--	--	--	12	1470
	CHHATTISHGARH	2	200	--	--	6	1270	30	6334	308	113354
	GUJARAT	2	90	--	--	3	1128	9	5040	293	65541
	HIMACHAL PRADESH	--	--	--	--	2	358	4	210	144	55995
	JHARKHAND	2	100	--	--	--	--	2	110	28	11385
	JAMMU & KASHMIR	--	--	--	--	--	--	--	--	11	1850
	KARNATAKA	2	119	--	--	1	170	11	2484	288	98640
	KERALA	--	--	--	--	--	--	--	--	20	3762
	MEGHALAYA	--	--	--	--	--	--	6	839	110	22940
	MADHYA PRADESH	4	260	--	--	18	3710	26	4472	737	202222
	MAHARASHTRA	1	60	--	--	2	305	3	283	117	36074
	ORISSA	1	60	--	--	1	145	11	6769	182	55823
	RAJASTHAN	12	626	--	--	6	1440	85	14628	1213	244539
	TAMIL NADU	3	130	--	--	--	--	16	5263	494	97871
	UTTAR PRADESH	--	--	--	--	--	--	--	--	60	17754
TOTAL : LIMESTONE		37	2251	--	--	41	8846	230	49425	4788	1239999
19. 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
20. MANGANESE											
	ANDHRA PRADESH	1	55	--	--	--	--	1	20	57	6042
	GOA	--	--	--	--	--	--	--	--	108	11580
	GUJARAT	--	--	--	--	--	--	--	--	8	1996
	KARNATAKA	--	--	--	--	--	--	--	--	77	4355
	MADHYA PRADESH	--	--	--	--	--	--	14	1583	148	32568
	MAHARASHTRA	--	--	--	--	--	--	3	440	140	32682
	ORISSA	--	--	--	--	1	204	26	1366	274	44515
TOTAL : MANGANESE		1	55	--	--	1	204	44	3409	812	133738
21. MARBLE											
	GUJARAT	2	131	--	--	4	160	5	237	59	7681
	MADHYA PRADESH	--	--	--	--	--	--	1	50	20	3833
	RAJASTHAN	--	--	--	--	--	--	17	1480	123	30751
TOTAL : MARBLE		2	131	--	--	4	160	23	1767	202	42265
22. MICA											
	ANDHRA PRADESH	--	--	--	--	--	--	2	125	2	125
23. QUARTZ											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	12	1550
	JHARKHAND	--	--	--	--	--	--	2	45	2	45
TOTAL : QUARTZ		--	--	--	--	--	--	2	45	14	1595

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
24. SANDSTONE												
	HARYANA	1	--	--	2	400	--	--	--	--	--	--
	RAJASTHAN	1	--	--	2	262	16	2830	--	--	--	--
	UTTAR PRADESH	1	--	--	--	--	10	1082	--	--	1	110
TOTAL : SANDSTONE		3	--	--	4	662	26	3912	--	--	1	110
25. SELENITE												
	RAJASTHAN	2	--	--	2	232	--	--	--	--	--	--
26. 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
27. 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
28. SLATE												
	HARYANA	1	--	--	2	241	6	750	--	--	--	--
29. STEATITE												
	ANDHRA PRADESH	1	--	--	1	350	--	--	--	--	--	--
	MADHYA PRADESH	1	--	--	--	--	1	50	--	--	--	--
	ORISSA	1	--	--	1	115	2	80	--	--	--	--
	RAJASTHAN	10	--	--	22	5984	81	17002	9	3442	14	1288
TOTAL : STEATITE		13	--	--	24	6449	84	17132	9	3442	14	1288
30. STONE												
	ANDHRA PRADESH	1	--	--	--	--	--	--	--	--	1	78
	BIHAR	1	--	--	--	--	23	4986	--	--	--	--
	GOA	4	--	--	8	915	2	144	--	--	--	--
	GUJARAT	1	--	--	2	250	9	1112	--	--	1	112
	HARYANA	4	--	--	24	7532	38	10855	4	815	4	496
	JHARKHAND	12	1	200	3	775	9	660	--	--	2	235
	KERALA	1	--	--	2	300	2	280	--	--	--	--
	MAHARASHTRA	3	--	--	15	4668	35	10040	2	610	12	3715
	ORISSA	1	--	--	2	500	--	--	--	--	--	--
	RAJASTHAN	2	--	--	--	--	3	180	1	100	--	--
	TAMIL NADU	4	--	--	6	1093	20	2720	--	--	1	130
	WEST BENGAL	3	--	--	9	1413	28	4150	--	--	2	152
TOTAL : STONE		37	1	200	71	17446	169	35127	7	1525	23	4918

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
24.	SANDSTONE										
	HARYANA	--	--	--	--	--	--	--	--	2	400
	RAJASTHAN	--	--	--	--	--	--	14	686	32	3778
	UTTAR PRADESH	--	--	--	--	--	--	4	440	15	1632
TOTAL :	SANDSTONE	--	--	--	--	--	--	18	1126	49	5810
25.	SELENITE										
	RAJASTHAN	2	90	--	--	--	--	--	--	4	322
26.	SILICA										
	HARYANA	--	--	--	--	--	--	7	387	22	1607
	RAJASTHAN	--	--	--	--	--	--	--	--	45	4620
TOTAL :	SILICA	--	--	--	--	--	--	7	387	67	6227
27.	SILLIMANITE										
	ANDHRA PRADESH	--	--	--	--	5	900	--	--	66	10200
	KERALA	--	--	--	--	--	--	--	--	11	2038
	MAHARASHTRA	--	--	--	--	--	--	--	--	18	3080
TOTAL :	SILLIMANITE	--	--	--	--	5	900	--	--	95	15318
28.	SLATE										
	HARYANA	--	--	--	--	--	--	1	80	9	1071
29.	STEATITE										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	350
	MADHYA PRADESH	--	--	--	--	--	--	--	--	1	50
	ORISSA	--	--	--	--	--	--	--	--	3	195
	RAJASTHAN	4	175	--	--	--	--	6	762	136	28653
TOTAL :	STEATITE	4	175	--	--	--	--	6	762	141	29248
30.	STONE										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	78
	BIHAR	--	--	--	--	--	--	--	--	23	4986
	GOA	--	--	--	--	--	--	--	--	10	1059
	GUJARAT	--	--	--	--	--	--	--	--	12	1474
	HARYANA	--	--	--	--	1	160	1	118	72	19976
	JHARKHAND	2	120	--	--	--	--	3	176	20	2166
	KERALA	--	--	--	--	--	--	--	--	4	580
	MAHARASHTRA	--	--	--	--	1	140	--	--	65	19173
	ORISSA	--	--	--	--	--	--	--	--	2	500
	RAJASTHAN	3	450	--	--	--	--	--	--	7	730
	TAMIL NADU	--	--	--	--	--	--	--	--	27	3943
	WEST BENGAL	1	25	--	--	--	--	--	--	40	5740
TOTAL :	STONE	6	595	--	--	2	300	4	294	283	60405

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
31.	WOLLASTONITE											
	RAJASTHAN	3	--	--	7	870	38	4950	3	525	10	982
TOTAL : METALLIFEROUS		956	58	7305	2774	637280	8763	1809300	746	229001	1357	233049

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
31.	WOLLASTONITE										
	RAJASTHAN	--	--	--	--	--	--	3	262	61	7589
TOTAL : METALLIFEROUS		91	5681	--	--	137	26649	736	116441	14662	3064706

STATEMENT NO. 2.5

USAGE OF ELECTRICAL MACHINERIES AND DIESEL COMPRESSORS IN OIL MINES DURING THE YEAR 2013

STATE	NO.OF MINES USING MACHINERIES	DRAW WORKS		HOISTS		PUMPS		PORTABLE MACH.		WORKSHOPS		OTHERS		TOTAL		DIESEL COMP.	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
ANDHRA PRADESH	7	28	24400	1	5	256	46245	--	--	2	6	881	71843	1168	142499	33	2627
ARUNACHAL PRADESH	1	--	--	--	--	130	1782	2	10	2	2	1	153	135	1947	2	10
ASSAM	20	62	59079	56	536	1028	126606	79	1755	--	--	2121	169795	3346	357771	234	64137
BIHAR	1	3	3000	2	2000	2	4000	--	--	1	1000	--	--	8	10000	--	--
GUJARAT	25	24	16215	88	12425	2258	145307	39	73	11	171	1030	76170	3450	250361	244	124825
JHARKHAND	7	5	4415	2	370	99	11906	3	15	8	25	4	1055	121	17786	9	1226
MADHYA PRADESH	3	1	145	1	300	27	1628	6	15	3	2	47	84	85	2174	3	1925
PONDICHERRY	2	12	12000	--	--	163	17937	--	--	--	--	262	8211	437	38148	12	1200
RAJASTHAN	9	5	4000	3	1500	745	86123	36	303	5	21	100	14923	894	106870	48	2713
TAMIL NADU	3	12	12000	--	--	65	16861	12	10	12	100	267	13889	368	42860	14	2674
TRIPURA	2	--	--	--	--	46	1447	2	10	--	--	10	723	58	2180	--	--
WEST BENGAL	4	7	2627	2	1750	148	10296	--	--	8	25	144	27550	309	42248	16	1776
TOTAL : OIL	84	159	137881	155	18886	4967	470138	179	2191	52	1352	4867	384396	10379	1014844	615	203113

STATEMENT NO. 2.6

USAGE OF DRILLS AND DIESEL COMPRESSORS IN METALLIFEROUS MINES DURING THE YEAR 2013

MINERAL	NO. OF MINES USING DRILLS	NUMBER OF DRILLS			NO. OF MINES USING COMPRESSORS	COMPRESSORS	
		SMALL	HEAVY	TOTAL		NO.	H.P.
1	2	3	4	5	6	7	8
APATITE & ROCK PHOSPHA	8	21	12	33	8	19	1023
BARYTES	5	5	6	11	4	5	262
BAUXITE	65	88	60	148	32	50	7234
CALCITE	3	7	6	13	3	7	1025
CHINA CLAY,CLAY,WHITE-	4	6	--	6	3	5	132
CHROMITE	17	42	68	110	7	14	1770
COPPER	5	103	76	179	3	19	5479
DIAMOND	1	--	3	3	--	--	--
DOLOMITE	31	49	19	68	12	20	1996
FELSPAR	5	11	1	12	2	2	285
FLUORITE	1	2	--	2	--	--	--
GALENA & SPHALARITE	9	62	41	103	2	7	1924
GOLD	5	438	12	450	2	3	240
GRANITE	228	1241	460	1701	181	553	65168
GRAPHITE	1	2	1	3	--	--	--
GYPSUM	3	3	2	5	--	--	--
IRON	152	101	244	345	85	185	28766
KYANITE	1	--	4	4	1	1	210
LATERITE	2	8	1	9	2	5	382
LIMESTONE	429	437	602	1039	245	396	53590
MAGNESITE	10	20	10	30	7	16	2100
MANGANESE	67	199	176	375	35	71	12342
MARBLE	18	273	68	341	14	43	4503
MICA	22	33	13	46	9	10	580
QUARTZ	18	34	6	40	5	5	1015
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	70	25	95	19	52	5212
STONE	160	219	78	297	84	126	13115
WOLLASTONITE	3	18	15	33	3	15	1720
TOTAL : METALLIFEROUS	1334	3549	2029	5578	786	1664	216028

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	98,213	11,425	4,606
2012	1157	603	37,527	504	56,939	6,505	563	61	102,249	11,363	5,081
2013	1188	498	36,700	81	53,477	8,890	532	61	100,239	10,527	4,673

*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 2013 : MINERAL- STATEWISE

Sl. No.	Mineral / State	No. of Mines Using Explosives	(IN KILOGRAMS) 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
1. APATITE & ROCK PHOSPHATE													
	ANDHRA PRADESH	1	--	2158	--	--	--	--	--	--	2158	4820	--
	MADHYA PRADESH	2	--	4775	3650	9150	--	--	--	--	17575	1150	10054
	RAJASTHAN	3	--	--	1358030	1042307	68659	18606	--	--	2487602	29608	757
	UTTARANCHAL	2	--	580	--	--	--	--	--	--	580	--	--
TOTAL : APATITE & ROCK PHOSPHA		8	--	7513	1361680	1051457	68659	18606	--	--	2507915	35578	10811
2. BARYTES													
	ANDHRA PRADESH	3	--	100	17000	514375	2548	--	--	--	534023	2194	1347
	HIMACHAL PRADESH	1	--	103	--	--	--	--	--	--	103	--	820
	RAJASTHAN	1	--	--	--	--	555	--	--	--	555	--	4440
TOTAL : BARYTES		5	--	203	17000	514375	3103	--	--	--	534681	2194	6607
3. BAUXITE													
	CHHATTISHGARH	6	--	--	157197	89355	117901	9537	--	--	373990	7749	11040
	GUJARAT	14	--	--	4489	4730	44708	--	--	--	53927	17542	5800
	JHARKHAND	20	--	200	628046	15710	3972	--	--	--	647928	520	118852
	KARNATAKA	1	--	--	--	--	400	--	--	--	400	844	217
	MADHYA PRADESH	4	--	735	--	--	14366	--	--	--	15101	30046	68185
	MAHARASHTRA	9	--	--	38315	129973	6860	--	--	--	175148	10734	990
	ORISSA	2	--	--	616507	946255	1860	90050	--	--	1654672	29872	22090
	TAMIL NADU	1	--	44	--	--	--	--	--	--	44	34	--
	UTTAR PRADESH	3	--	--	1391	--	921	--	--	--	2312	--	17943
TOTAL : BAUXITE		60	--	979	1445945	1186023	190988	99587	--	--	2923522	97341	245117
4. CALCITE													
	RAJASTHAN	3	--	3297	118817	1184	3000	--	--	--	126298	94809	21248
5. CHINA CLAY,CLAY,WHITE-CLAY													
	ANDHRA PRADESH	2	--	--	--	--	270	--	--	--	270	1057	200
	RAJASTHAN	1	--	456	--	--	--	--	--	--	456	--	3355
TOTAL : CHINA CLAY,CLAY,WHITE-		3	--	456	--	--	270	--	--	--	726	1057	3555
6. CHROMITE													
	KARNATAKA	1	--	--	--	--	637	--	--	--	637	4280	--
	ORISSA	15	--	--	--	528453	666836	1725	--	--	1197014	208419	1596
TOTAL : CHROMITE		16	--	--	--	528453	667473	1725	--	--	1197651	212699	1596

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
7. COPPER													
	JHARKHAND	2	--	7150	--	16030	233583	--	--	--	256763	516490	396
	MADHYA PRADESH	1	--	--	--	2967676	--	--	--	--	2967676	--	1811
	RAJASTHAN	2	--	--	195500	147470	233625	--	--	--	576595	--	256175
TOTAL : COPPER		5	--	7150	195500	3131176	467208	--	--	--	3801034	516490	258382
8. DIAMOND													
	MADHYA PRADESH	1	--	--	--	206550	--	--	--	--	206550	--	5107
9. DOLOMITE													
	ANDHRA PRADESH	3	--	--	141000	197500	9835	--	--	--	348335	6920	2136
	CHHATTISHGARH	10	--	--	334708	516122	315658	--	--	--	1166488	149266	96539
	JHARKHAND	1	--	--	--	133575	--	--	--	--	133575	1582	282
	KARNATAKA	7	--	--	--	--	20186	--	--	350	20536	56400	10906
	MADHYA PRADESH	4	--	--	--	10877	7152	--	--	--	18029	9348	2512
	MAHARASHTRA	2	--	--	--	5325	649	--	--	--	5974	3733	--
	ORISSA	2	--	--	--	39700	16052	--	--	--	55752	34282	87
TOTAL : DOLOMITE		29	--	--	475708	903099	369532	--	--	350	1748689	261531	112462
10. FELSPAR													
	ANDHRA PRADESH	5	--	1839	30400	262	15625	--	--	--	48126	18332	9136
11. FLUORITE													
	MAHARASHTRA	1	--	--	--	--	92	--	--	--	92	--	--
12. GALENA & SPHALARITE													
	RAJASTHAN	9	--	--	362050	2068435	1123889	1569	--	--	3555943	641465	146934
13. GOLD													
	JHARKHAND	1	--	--	--	--	8700	--	--	--	8700	22920	--
	KARNATAKA	3	--	--	--	64407	333911	--	--	--	398318	77525	259272
	UTTARANCHAL	1	--	--	--	--	45	--	--	--	45	--	--
TOTAL : GOLD		5	--	--	--	64407	342656	--	--	--	407063	100445	259272
14. GRANITE													
	ANDHRA PRADESH	65	--	11088	397410	620934	163236	--	--	--	1192668	314945	1066
	GOA	2	--	--	16800	7475	3190	--	--	--	27465	58469	645
	KARNATAKA	15	--	430	--	620	94887	--	--	9801	105738	413837	8392
	KERALA	14	--	--	6189	15631	21470	--	--	400	43690	274160	25464
	MADHYA PRADESH	1	--	--	--	--	2600	--	--	--	2600	30800	--
	ORISSA	1	--	--	--	--	496	--	--	--	496	2128	--
	TAMIL NADU	66	--	21990	--	428541	239636	--	--	12774	702941	175111	28406
	UTTAR PRADESH	3	--	--	--	8703	--	--	--	--	8703	87465	--
	WEST BENGAL	1	--	--	--	3188	--	--	--	--	3188	25500	--
TOTAL : GRANITE		168	--	33508	420399	1085092	525515	--	--	22975	2087489	1382415	63973

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
15. GRAPHITE													
	TAMIL NADU	1	--	--	25993	16150	22048	--	--	--	64191	--	195
16. GYPSUM													
	JAMMU & KASHMIR	3	2904	3732	--	--	--	--	--	--	6636	--	18186
17. IRON													
	ANDHRA PRADESH	1	--	--	--	3980	--	--	--	--	3980	--	42947
	CHHATTISHGARH	9	4121	121495	--	3168155	5199	1575	--	--	3300545	504	10293
	GOA	9	--	2220	--	168881	2652	--	--	--	173753	661	4976
	JHARKHAND	13	--	--	--	1798426	1102994	2579	--	--	2903999	508	13060
	KARNATAKA	31	--	189	530716	1835781	17924	194	81702	--	2466506	1337	29134
	MAHARASHTRA	2	--	--	--	112280	65546	--	--	--	177826	--	34564
	ORISSA	63	165118	293	753859	4740070	57517	53504	--	--	5770361	107746	214152
	RAJASTHAN	1	--	--	--	533280	700	327	--	--	534307	640	36745
TOTAL : IRON		129	169239	124197	1284575	12360853	1252532	58179	81702	--	15331277	111396	385871
18. KYANITE													
	JHARKHAND	1	--	--	--	335	--	--	--	--	335	--	2034
19. LATERITE													
	KERALA	1	--	--	--	--	17570	--	--	--	17570	69928	--
	RAJASTHAN	1	--	--	91950	60625	--	--	--	--	152575	7561	--
TOTAL : LATERITE		2	--	--	91950	60625	17570	--	--	--	170145	77489	--
20. LIMESTONE													
	ANDAMAN & NICOBAR IS	1	--	7526	--	--	--	--	--	--	7526	9727	84
	ANDHRA PRADESH	76	--	7838	7119878	5971399	143896	44930	--	21600	13309541	423346	285263
	ASSAM	5	--	--	--	73302	1660	13	--	--	74975	19862	154
	BIHAR	2	--	--	--	66975	2424	--	--	--	69399	--	2022
	CHHATTISHGARH	18	--	--	728860	4486750	65158	60838	--	--	5341606	76550	46461
	GUJARAT	30	--	--	1152616	302717	35912	--	--	--	1491245	83115	139235
	HIMACHAL PRADESH	30	--	6393	1384300	108831	128749	369	--	--	1628642	5027	179508
	JHARKHAND	11	--	196	330952	95242	14861	--	--	--	441251	59414	69705
	JAMMU & KASHMIR	1	--	--	--	39000	--	--	--	--	39000	--	80
	KARNATAKA	42	--	1263	1448877	2171539	589506	--	--	14370	4225555	219209	23785
	KERALA	1	--	--	101200	58850	82260	--	--	--	242310	18732	--
	MEGHALAYA	9	--	--	16180	437262	8400	623	--	--	462465	107483	3984
	MADHYA PRADESH	45	--	370	3286877	5153260	56652	55181	--	1580	8553920	673172	363306
	MAHARASHTRA	8	--	--	533000	1524269	1676	--	--	--	2058945	20980	1217
	ORISSA	13	--	--	361900	229330	1116462	3356	--	--	1711048	389336	42786
	RAJASTHAN	60	--	10222	8287611	4120004	117743	148318	--	--	12683898	118988	252981
	TAMIL NADU	48	--	4533	3208067	2038267	279395	27061	--	--	5557323	733834	106166
	UTTARANCHAL	2	--	385	--	3070	427	--	--	--	3882	--	14934
	UTTAR PRADESH	2	--	--	--	1211200	604	--	--	--	1211804	6441	42078
TOTAL : LIMESTONE		404	--	38726	27960318	28091267	2645785	340689	--	37550	59114335	2965216	1573749

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
21. 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
22. MANGANESE													
	ANDHRA PRADESH	9	--	14	--	12475	10802	--	--	--	23291	--	31674
	GOA	1	--	--	--	--	40	--	--	--	40	--	282
	KARNATAKA	6	--	--	12050	4777	8094	--	--	--	24921	--	44478
	MADHYA PRADESH	13	--	2566	--	139923	163485	--	--	--	305974	470277	35341
	MAHARASHTRA	13	--	--	55700	579370	243673	--	--	--	878743	350794	22667
	ORISSA	16	--	872	29870	468332	76187	--	--	--	575261	2329	17420
TOTAL : MANGANESE		58	--	3452	97620	1204877	502281	--	--	--	1808230	823400	151862
23. MARBLE													
	GUJARAT	1	--	--	--	2828	--	--	--	--	2828	--	8835
	MADHYA PRADESH	3	--	--	--	--	8051	--	--	--	8051	--	1313
	RAJASTHAN	4	--	--	--	16125	3343	2445	--	--	21913	--	4760
TOTAL : MARBLE		8	--	--	--	18953	11394	2445	--	--	32792	--	14908
24. MICA													
	ANDHRA PRADESH	16	--	25	--	13717	14815	--	--	--	28557	52059	160137
	BIHAR	2	--	301	--	--	1740	--	--	--	2041	--	15165
	JHARKHAND	1	--	246	--	--	--	--	--	--	246	--	1980
TOTAL : MICA		19	--	572	--	13717	16555	--	--	--	30844	52059	177282
25. QUARTZ													
	ANDHRA PRADESH	8	--	--	--	--	15145	--	--	28	15173	19523	500
	CHHATTISHGARH	2	--	--	--	--	7066	--	--	--	7066	29773	--
	JHARKHAND	1	--	--	--	--	8050	--	--	--	8050	20140	--
	ORISSA	2	--	--	--	2150	2010	--	--	--	4160	18622	--
	RAJASTHAN	1	--	--	--	--	5365	--	--	--	5365	--	7260
	TAMIL NADU	4	--	740	2575	135	918	--	--	299	4667	4433	1683
TOTAL : QUARTZ		18	--	740	2575	2285	38554	--	--	327	44481	92491	9443
26. SANDSTONE													
	RAJASTHAN	1	--	--	--	8075	--	--	--	--	8075	559	92010
	UTTAR PRADESH	1	--	--	--	19443	--	--	--	--	19443	3602	--
TOTAL : SANDSTONE		2	--	--	--	27518	--	--	--	--	27518	4161	92010

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
27. 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
28. SILLIMANITE													
	MAHARASHTRA	1	--	--	--	--	2600	--	--	--	2600	20800	--
29. 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	22	--	2013	574261	237552	44181	1300	--	--	859307	17581	323242
TOTAL : STEATITE		32	--	8365	580323	237552	58470	1300	--	--	886010	124833	338937
30. STONE													
	ANDHRA PRADESH	2	--	--	--	--	945	--	--	--	945	7032	520
	BIHAR	4	--	965	--	14700	4025	--	--	--	19690	39563	--
	GOA	7	--	--	9100	57275	18718	--	--	--	85093	85719	--
	GUJARAT	4	--	1725	34480	11770	13782	--	--	--	61757	31155	20076
	HARYANA	12	22368	3657	1134107	11825	39216	7607	--	--	1218780	1207695	227889
	JHARKHAND	84	--	20876	2657	19837	338451	--	--	--	381821	617048	19338
	KARNATAKA	2	--	--	--	--	20732	--	--	--	20732	52471	--
	KERALA	1	--	--	--	18986	--	--	--	--	18986	80711	216
	MAHARASHTRA	11	--	100	58636	234420	16884	--	--	--	310040	80002	24399
	ORISSA	2	--	6703	--	--	185	--	--	--	6888	40957	--
	RAJASTHAN	4	8400	--	10000	12000	1350	--	--	--	31750	10104	14700
	TAMIL NADU	8	--	4020	42700	98900	38330	--	--	--	183950	167646	261
	WEST BENGAL	19	--	3542	42974	51626	13640	--	--	--	111782	249170	21539
TOTAL : STONE		160	30768	41588	1334654	531339	506258	7607	--	--	2452214	2669273	328938
31. WOLLASTONITE													
	RAJASTHAN	3	2569	--	162213	8621	3529	--	--	--	176932	107088	8931
TOTAL : METALLIFEROUS		1188	208132	290276	36700492	53477491	8890069	531707	81702	61202	100241071	10526844	4672747

SECTION – IV

ACCIDENT

STATEMENT NO. 4.0

Codes for classification of accidents by cause and place of occurrence

Code	Cause of Accident
	Ground movement
0111	Fall of roof
0112	Fall of sides(other than overhangs)
0113	Fall of overhang
0114	Rock burst/bumps
0115	Air blast
0116	Premature collapse of workings/pillars
0117	Subsidence
0118	Landslide
0119	Collapse of shaft
	Transportation machinery(winding)
0221	Overwinding of cages/skip,etc.(upgoing)
0222	Breakage of rope,chain,draw/suspn. gear
0223	Falls of persons from cages,skip,etc.
0224	Falling of objects from cages,skip,etc.
0225	Hit by cages,skip,etc.
0228	Overwinding of cages/skip (downgoing)
0229	Other accident due to winding operation
	Transportation machinery(non winding)
0331	Aerial ropeway
0332	Rope haulage
0333	Other rail transportation
0334	Conveyors
0335	Dumpers
0336	Wagon movements
0339	Wheeled trackless(truck,tanker,etc.)
	Machinery other than transp. machinery
0441	Drilling machines
0442	Cutting machines
0443	Loading machines
0444	Haulage engine
0445	Winding engine
0446	Shovel, dragline, frontend loader, etc.
0447	Crushing & screening plants
0448	Other heavy earth moving machinery
0449	Other non-transportation machinery

Code	Cause of Accident
	Explosives
0551	Solid blasting projectiles
0552	Deep hole blasting projectiles
0553	Secondary blasting projectiles
0554	Other projectiles
0555	Misfires/sockets(while drilling into)
0556	Misfire/socket(other than drilling into)
0557	Delayed ignition
0558	Blown through shots
0559	Other explosive accident
	Electricity
0661	Overhead lines
0662	Trailing cables
0663	Switch gears,gate end boxes,pommel, etc.
0664	Energized machines
0665	Power cables other than trailing cables
0669	Other electrical accidents
	Dust,gas & other combustible material
0771	Occurrence of gas
0772	Influx of gas
0774	Explosion/ignition of gas/dust, etc.
0775	Outbreak of fire or spontaneous heating
0776	Well blowout (with fire)
0777	Well blowout (without fire)
0778	Other combustible material
0779	Other accidents due to dust/gas/fire
	Falls(other than fall of ground)
0881	Fall of person from height/into depth
0882	Fall of persons on the same level
0883	Fall of objects incl. rolling objects
0889	Other accident due to falls
	Other causes
0991	Irruption of water
0992	Flying pieces(except due to explosives)
0993	Drowning in water
0994	Buried in sands, etc.
0995	Bursting/leakage of oil pipe lines
0999	Unclassified

Code	Place of Accident
	BELOW GROUND
	Development area
111	< 10m of development face
112	> 10m and within working district
	Long wall panel
121	> 10m of long wall face
122	Gate roads in long wall panels
	Depillaring / stoping
131	< 10m of face
132	> 10m but < 30m
133	> 30m but within working district
	Outside working district
141	Traveling roadways
149	Unclassified
	Tramming roadways
151	Within district
152	Outside district
	Haulage roadways (within district)
161	Rope haulage roadways
162	Conveyor roadways
163	Loco roadways
169	Unclassified
	Haulage roadways (outside district)
171	Rope haulage roadways
172	Conveyor roadways
173	Loco roadways
179	Unclassified
180	Shaft
199	Other below ground places

Code	Place of Accident
	OPENCAST
	Benches
211	Waste/overburden alluvium
212	Waste/overburden float
213	Waste/overburden hard rock
214	Coal/ore benches
	Quarry (other than benches)
221	Top of the quarry
222	Bed of the quarry
	Roads
231	Haul roads
232	Rope haulage roads
239	Other transportation roads
	Other open cast places
241	Waste dump
249	Other places (specify)
	ABOVE GROUND
	Transportation road/sites
311	Aerial ropeways
312	Rope haulage roads
313	Wheeled trackless transportation roads
314	Railway lines belonging to mines
315	Petroleum pipelines
319	Unclassified
	Plant sites
321	Site of ore handling plants
322	Workshop, powerhouse, engine room, etc.
323	Erection/rigging site
324	Gas col stn/gas comp stn/group gather.
325	Oil wells/water inject wells
329	Unclassified
	Other above ground places
331	Depot
332	Waste dump
333	Water reservoir
339	Unclassified

STATEMENT NO. 4.1

Trend in accidents, resultant casualties and rates

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	No. of persons		No. of Accidents	No. of persons S/Injured		
			Killed	S/Injured			Death	Serious
1	2	3	4	5	6	7	8	9
COPPER	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
	2013	0	0	0	7	8	0.00	2.14
GALENA	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
	2013	3	3	0	10	10	0.67	2.23
GOLD	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	-	-	-	-	-	-	-
	2013	1	1	0	2	2	0.29	0.59
IRON	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
	2008	11	11	1	19	20	0.25	0.47

Statement 4.1(Coninued…)

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		
			Killed	S/Injured			Death	Serious
1	2	3	4	5	6	7	8	9
IRON(Contd…..)	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
	2013	4	5	0	6	6	0.09	0.11
LIMESTONE	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
	2013	3	3	0	3	3	0.09	0.09
MANGANESE	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
	2013	2	2	0	0	0	0.11	0.00
TOTAL :	2003	51	61	16	147	147	0.45	1.19
METALLIFERROUS	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
	2013	54	69	12	37	38	0.37	0.27

Statement 4.1(Coninued…)

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		
			Killed	S/Injured			Death	Serious
1	2	3	4	5	6	7	8	9
OIL	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
	2013	4	5	3	15	15	0.19	0.69
TOTAL : NON-COAL	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
	2013	58	74	15	52	53	0.35	0.32

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	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
	2012	0.26	0.53	0.48	-	-	0.26	0.48	-	0.69	0.53
	2013	-	1.87	-	-	-	-	2.40	-	2.09	2.14
GALENA	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
	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
	2013	0.67	2.23	0.85	-	0.47	0.67	2.56	-	1.87	2.23
GOLD	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	-	-	-	-	-	-	-	-	-	-
	2013	0.29	0.59	0.59	-	-	0.29	1.18	-	-	0.59

Statement 4.2(Coninued…)

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
IRON	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
	2012	0.05	0.11	-	0.03	0.08	0.05	-	0.17	0.04	0.11
	2013	0.08	0.11	-	0.11	0.08	0.09	-	0.18	0.04	0.11
LIMESTONE	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
	2012	0.13	0.13	-	0.17	-	0.13	-	0.13	0.16	0.13
	2013	0.09	0.09	-	0.12	-	0.09	-	0.08	0.13	0.09
MANGANESE	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
	2013	0.11	-	0.38	0.12	-	0.11	-	-	-	-

Statement 4.2(Coninued…)

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
TOTAL :	2003	0.52	0.07	0.52	0.45	0.42	0.45	7.36	0.43	1.56	1.19
METALLIFERROUS	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
	2013	0.29	0.20	0.39	0.55	0.08	0.37	1.45	0.21	0.18	0.27
OIL	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
	2013	0.15	0.58	-	-	0.19	0.19	-	-	0.69	0.69
TOTAL :	2003	0.33	1.07	0.39	0.46	0.31	0.4	7.36	0.43	1.43	1.18
NON-COAL	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
	2013	0.27	0.25	0.39	0.55	0.11	0.35	1.45	0.21	0.33	0.32

STATEMENT NO. 4.3

Causewise trend in fatal accidents in non-coal mines

Cause / Year	2008	2009	2010	2011	2012	2013
1. GROUND MOVEMENT						
Fall of Roof	2(3)	4(5)	--	--	4(4)	2(2)
Fall of Side	11(17)	10(15)	14(48)	7(9)	10(10)	13(24)
Other Ground Movement	--	--	--	--	--	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	--	--	--	1(1)	--	1(2)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	--	--	--	--	--	--
Wheeled Trackless Transp.	13(13)	8(8)	9(10)	11(12)	4(4)	8(8)
Other Transp. Machinery	2(2)	1(1)	3(3)	--	1(1)	3(3)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	4(6)	3(3)	5(5)	10(10)	5(5)	4(4)
5. EXPLOSIVES	2(10)	1(3)	3(3)	4(7)	4(4)	2(3)
6. ELECTRICITY	2(3)	--	1(1)	--	--	2(2)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	2(3)	1(1)	--	--	--	3(4)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	10(10)	3(3)	6(8)	5(5)	7(7)	9(10)
Fall of Objects	1(1)	5(5)	8(8)	5(5)	5(5)	8(9)
Other Falls	--	--	1(1)	--	--	--
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	--	--	1(1)	1(1)	1(3)	2(2)
Miscellaneous	5(5)	--	3(3)	--	--	1(1)
T O T A L	54(73)	36(44)	54(91)	44(50)	41(43)	58(74)
BELOW GROUND :	3(4)	4(5)	4(4)	2(2)	6(6)	4(4)
OPENCAST :	35(42)	25(32)	35(72)	32(36)	28(30)	45(60)
ABOVE GROUND :	16(27)	7(7)	15(15)	10(12)	7(7)	9(10)

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	2008	2009	2010	2011	2012	2013
1. GROUND MOVEMENT						
Fall of Roof	1(1)	1(1)	1(1)	2(2)	5(5)	2(2)
Fall of Side	0(7)	0(3)	0(3)	3(4)	3(5)	0(6)
Other Ground Movement	--	--	--	--	--	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	2(3)	3(6)	2(2)	2(3)	3(3)	0(1)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	1(1)	--	--	--	--	--
Wheeled Trackless Transp.	5(8)	6(9)	2(2)	4(8)	3(3)	6(8)
Other Transp. Machinery	3(3)	5(5)	3(3)	6(6)	--	--
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	10(12)	13(14)	10(10)	15(15)	8(8)	12(12)
5. EXPLOSIVES	1(21)	1(1)	1(3)	0(4)	1(4)	0(1)
6. ELECTRICITY	1(3)	3(3)	2(2)	3(4)	--	--
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	1(1)	--	2(2)	--	--	0(2)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	17(17)	13(13)	13(13)	22(22)	8(8)	11(12)
Fall of Objects	20(20)	26(26)	16(18)	18(18)	12(12)	16(19)
Other Falls	2(2)	--	2(2)	1(1)	--	1(1)
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	--	--	1(1)	--	1(1)	1(1)
Miscellaneous	19(21)	23(23)	6(6)	6(6)	1(1)	3(3)
T O T A L	83(120)	94(104)	61(68)	82(93)	45(50)	52(68)
BELOW GROUND :	14(15)	33(36)	12(13)	20(21)	16(16)	15(15)
OPENCAST :	13(23)	13(19)	16(21)	30(34)	15(20)	11(23)
ABOVE GROUND :	56(82)	48(49)	33(34)	32(38)	14(14)	26(30)

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	2007	2008	2009	2010	2011	2012	2013
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	-	-	-	-	-	-	-
8	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons were endangered	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	3	1	2	-	-	-	-
13	Others	2	1	4	2	4	5	1
TOTAL		**8**	**4**	**8**	**4**	**6**	**10**	**2**

STATEMENT NO. 4.6a

Accidents and placewise casualties in non-coal mines by state-district wise in 2013

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1. OIL															
	ASSAM														
	Dibrugarh	1	8	0	0	0	1	0	1	0	0	0	8	0	8
	Sibsagar	1	0	0	0	0	2	0	2	0	0	0	0	0	0
TOTAL :	ASSAM	2	8	0	0	0	3	0	3	0	0	0	8	0	8
	GUJARAT														
	Ahmedabad	0	2	0	0	0	0	0	0	0	0	0	2	0	2
	Gandhinagar	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	Kheda	1	0	0	0	0	1	0	1	0	0	0	2	0	2
	Mehasana	1	1	0	0	0	1	0	1	0	0	0	2	0	2
TOTAL :	GUJARAT	2	4	0	0	0	2	0	2	0	0	0	7	0	7
	MADHYA PRADESH														
	Shahdol	0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL :	MADHYA PRADESH	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	TAMIL NADU														
	Thanjavur	0	2	0	0	0	0	0	0	0	0	0	2	0	2
TOTAL :	TAMIL NADU	0	2	0	0	0	0	0	0	0	0	0	2	0	2
ALL INDIA :	OIL	4	15	0	0	0	5	0	5	0	0	0	18	0	18

Statement 4.6a (continued)

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

Statement 4.6a (continued)

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

Statement 4.6a (continued)

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

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	WEST BENGAL														
	Birbhum	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL :	WEST BENGAL	1	0	0	1	0	0	0	1	0	0	0	0	0	0
ALL INDIA :	GRANITE	9	1	0	10	0	1	0	11	0	2	0	0	0	2
11.	GYPSUM														
	JAMMU & KASHMIR														
		1	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	JAMMU & KASHMIR	1	0	0	2	0	0	0	2	0	0	0	0	0	0
ALL INDIA :	GYPSUM	1	0	0	2	0	0	0	2	0	0	0	0	0	0
12.	IRON														
	CHHATTISGARH														
	Durg	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	Dantewara	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	CHHATTISGARH	0	2	0	0	0	0	0	0	0	2	0	0	0	2
	JHARKHAND														
	West Singbhum	0	2	0	0	0	0	0	0	0	2	0	0	0	2
TOTAL :	JHARKHAND	0	2	0	0	0	0	0	0	0	2	0	0	0	2
	KARNATAKA														
	Bellary	0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL :	KARNATAKA	0	1	0	0	0	0	0	0	0	0	0	1	0	1

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	ORISSA														
	Keonjhar	3	1	0	3	0	1	0	4	0	1	0	0	0	1
TOTAL :	ORISSA	3	1	0	3	0	1	0	4	0	1	0	0	0	1
	RAJASTHAN														
	Bhilwara	1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL :	RAJASTHAN	1	0	0	0	0	1	0	1	0	0	0	0	0	0
ALL INDIA :	IRON	4	6	0	3	0	2	0	5	0	5	0	1	0	6
13.	LATERITE														
	KARNATAKA														
	Belgaum	1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL :	KARNATAKA	1	0	0	0	0	1	0	1	0	0	0	0	0	0
ALL INDIA :	LATERITE	1	0	0	0	0	1	0	1	0	0	0	0	0	0
14.	LIMESTONE														
	CHHATTISGARH														
	Durg	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	CHHATTISGARH	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	ORISSA														
	Sambalpur	0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL :	ORISSA	0	1	0	0	0	0	0	0	0	0	0	1	0	1

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	RAJASTHAN														
	Bundi	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Chittorgarh	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL :	RAJASTHAN	2	0	0	2	0	0	0	2	0	0	0	0	0	0
	TAMIL NADU														
	Tirunelveli	1	1	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL :	TAMIL NADU	1	1	0	1	0	0	0	1	0	1	0	0	0	1
ALL INDIA :	LIMESTONE	3	3	0	3	0	0	0	3	0	2	0	1	0	3
15.	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
ALL INDIA :	MAGNESITE	0	1	0	0	0	0	0	0	0	1	0	0	0	1
16.	MANGANESE														
	KARNATAKA														
	Bellary	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
	MADHYA PRADESH														
	Balaghat	1	0	1	0	0	0	0	1	0	0	0	0	0	0
TOTAL :	MADHYA PRADESH	1	0	1	0	0	0	0	1	0	0	0	0	0	0
ALL INDIA :	MANGANESE	2	0	1	1	0	0	0	2	0	0	0	0	0	0

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
17.	MARBLE														
	MADHYA PRADESH														
	Katni	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL :	MADHYA PRADESH	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	RAJASTHAN														
	Banswara	2	0	0	2	0	0	0	2	0	1	0	0	0	1
	Nagaur	5	0	0	7	0	0	0	7	0	2	0	0	0	2
	Udaipur	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Rajsamand	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL :	RAJASTHAN	9	0	0	11	0	0	0	11	0	3	0	0	0	3
ALL INDIA :	MARBLE	10	0	0	12	0	0	0	12	0	3	0	0	0	3
18.	MICA														
	BIHAR														
	Nawada	1	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	BIHAR	1	0	0	2	0	0	0	2	0	0	0	0	0	0
ALL INDIA :	MICA	1	0	0	2	0	0	0	2	0	0	0	0	0	0
19.	QUARTZ														
	RAJASTHAN														
	Ajmer	1	0	0	0	1	0	0	1	0	0	2	0	0	2
TOTAL :	RAJASTHAN	1	0	0	0	1	0	0	1	0	0	2	0	0	2
ALL INDIA :	QUARTZ	1	0	0	0	1	0	0	1	0	0	2	0	0	2

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
20.	SILICA														
	ANDHRA PRADESH														
	Nellore	1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL :	ANDHRA PRADESH	1	0	0	1	0	0	0	1	0	0	0	0	0	0
ALL INDIA :	SILICA	1	0	0	1	0	0	0	1	0	0	0	0	0	0
21.	SILLIMANITE														
	TAMIL NADU														
	Kanyakumari	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	TAMIL NADU	0	1	0	0	0	0	0	0	0	1	0	0	0	1
ALL INDIA :	SILLIMANITE	0	1	0	0	0	0	0	0	0	1	0	0	0	1
22.	STEATITE														
	RAJASTHAN														
		1	0	0	1	0	0	0	1	0	2	0	0	0	2
TOTAL :	RAJASTHAN	1	0	0	1	0	0	0	1	0	2	0	0	0	2
ALL INDIA :	STEATITE	1	0	0	1	0	0	0	1	0	2	0	0	0	2

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
23. STONE															
	ANDHRA PRADESH														
	Nellore	1	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	ANDHRA PRADESH	1	0	0	2	0	0	0	2	0	0	0	0	0	0
	BIHAR														
	Nawada	1	0	0	3	0	0	0	3	0	0	0	0	0	0
TOTAL :	BIHAR	1	0	0	3	0	0	0	3	0	0	0	0	0	0
	JHARKHAND														
	Koderma	1	0	0	2	0	0	0	2	0	0	0	0	0	0
	Pakur	1	0	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL :	JHARKHAND	2	0	0	3	0	0	0	3	0	1	0	0	0	1
	KERALA														
	Ernakulam	1	0	0	4	0	0	0	4	0	1	0	0	0	1
TOTAL :	KERALA	1	0	0	4	0	0	0	4	0	1	0	0	0	1
	RAJASTHAN														
	Churu	1	0	0	1	0	0	0	1	0	1	0	0	0	1
	Nagaur	1	0	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL :	RAJASTHAN	2	0	0	2	0	0	0	2	0	2	0	0	0	2
	TAMIL NADU														
	Kancheepuram	2	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	TAMIL NADU	2	0	0	2	0	0	0	2	0	0	0	0	0	0
	UTTAR PRADESH														
	Sonebhadra	2	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	UTTAR PRADESH	2	0	0	2	0	0	0	2	0	0	0	0	0	0

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	WEST BENGAL														
	Birbhum	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : WEST BENGAL	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	ALL INDIA : STONE	12	0	0	19	0	0	0	19	0	4	0	0	0	4
	24. ATOMIC MINERAL														
	JHARKHAND														
	West Singbhum	0	1	0	0	0	0	0	0	1	0	0	0	0	1
	TOTAL : JHARKHAND	0	1	0	0	0	0	0	0	1	0	0	0	0	1
	ALL INDIA : ATOMIC MINERAL	0	1	0	0	0	0	0	0	1	0	0	0	0	1
	ALL INDIA : ALL NON-COAL MINERALS	58	52	4	59	1	10	0	74	15	21	2	30	0	68

STATEMENT NO. 4.6b

Placewise casualty rates by state-district wise in 2013

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B.G.	O.C.	A.G.	Overall	B.G.	O.C.	A.G.	Overall
1	2	3	4	5	6	7	8	9	10
1.	OIL								
	ASSAM								
	Dibrugarh	...	...	0.39	0.39	...	...	3.15	3.15
	Sibsagar	...	...	0.55	0.55	...	...	...	...
	TOTAL : ASSAM	...	...	0.46	0.46	...	...	1.23	1.23
	GUJARAT								
	Ahmedabad	...	...	...	...	...	...	1.15	1.15
	Gandhinagar	...	...	...	...	...	...	18.87	18.87
	Kheda	...	...	250.00	250.00	...	...	500.00	500.00
	Mehasana	...	...	0.32	0.32	...	...	0.63	0.63
	TOTAL : GUJARAT	...	...	0.19	0.19	...	...	0.68	0.68
	MADHYA PRADESH								
	Shahdol	...	...	...	...	...	...	4.15	4.15
	TOTAL : MADHYA PRADESH	...	...	...	...	...	...	4.15	4.15
	TAMIL NADU								
	Thanjavur	...	...	...	...	...	...	4.32	4.32
	TOTAL : TAMIL NADU	...	...	...	...	...	...	2.71	2.71
	ALL INDIA : OIL	...	...	0.19	0.19	...	...	0.69	0.69
2.	APATITE & ROCK PHOSPHATE								
	MADHYA PRADESH								
	Chhatarpur	.....	Employment figures not available					.....	
	TOTAL : MADHYA PRADESH	...	5.32	...	4.88	...	...	...	...
	ALL INDIA : APATITE & ROCK PHOSPHATE	...	0.97	...	0.54	...	...	...	...
3.	ASBESTOS								
	RAJASTHAN								
	Udaipur	.....	Employment figures not available					.....	
	TOTAL : RAJASTHAN	.....	Employment figures not available					.....	
	ALL INDIA : ASBESTOS	.....	Employment figures not available					.....	
4.	CHINA CLAY,CLAY,WHITE-CLAY								
	ANDHRA PRADESH								
	West Godavari	...	21.28	...	20.00	...	...	...	...
	TOTAL : ANDHRA PRADESH	...	5.52	...	5.41	...	...	...	...
	ALL INDIA : CHINA CLAY,CLAY,WHITE-CLAY	...	0.63	...	0.35	...	...	...	...

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B.G.	O.C.	A.G.	Overall	B.G.	O.C.	A.G.	Overall
1	2	3	4	5	6	7	8	9	10
5.	CHROMITE								
	ORISSA								
	Keonjhar	...	...	...	...	1.34	...	...	0.65
	Jajpur	...	...	...	...	...	0.31	0.21	0.24
TOTAL :	ORISSA	...	...	...	...	1.23	0.31	0.17	0.30
ALL INDIA :	CHROMITE	...	...	...	...	1.14	0.30	0.17	0.30
6.	COPPER								
	JHARKHAND								
	West Singbhum	...	...	...	...	0.84	...	...	0.64
TOTAL :	JHARKHAND	...	...	...	...	0.84	...	...	0.64
	MADHYA PRADESH								
	Balaghat	...	...	...	...	...	...	16.00	5.83
TOTAL :	MADHYA PRADESH	...	...	...	...	...	...	16.00	5.83
	RAJASTHAN								
	Jhunjhunu	...	...	...	...	4.46	...	1.06	2.72
TOTAL :	RAJASTHAN	...	...	...	...	4.46	...	1.06	2.72
ALL INDIA :	COPPER	...	...	...	...	2.40	...	2.09	2.14
7.	DOLOMITE								
	ANDHRA PRADESH								
	Anantpur	...	90.91	...	90.91	...	...	...	...
	Khammam	...	...	...	...	...	...	9.52	5.92
TOTAL :	ANDHRA PRADESH	...	3.18	...	2.36	...	...	9.17	2.36
	CHHATTISGARH								
	Bilaspur	...	...	...	...	...	...	1.91	0.85
TOTAL :	CHHATTISGARH	...	...	...	...	...	...	1.90	0.75
ALL INDIA :	DOLOMITE	...	0.50	...	0.34	...	...	2.20	0.69
8.	GALENA & SPHALARITE								
	RAJASTHAN								
	Bhilwara	2.08	...	1.51	1.75	...	...	3.02	1.75
	Udaipur	...	...	...	...	5.45	...	...	2.95
	Rajsamand	0.80	...	...	0.46	2.40	...	2.16	2.30
TOTAL :	RAJASTHAN	0.86	...	0.47	0.67	2.57	...	1.89	2.25
ALL INDIA :	GALENA & SPHALARITE	0.85	...	0.47	0.67	2.56	...	1.87	2.23

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B.G.	O.C.	A.G.	Overall	B.G.	O.C.	A.G.	Overall
1	2	3	4	5	6	7	8	9	10
9.	GOLD								
	KARNATAKA								
	Raichur	0.60	...	...	0.30	1.21	...	...	0.60
TOTAL :	KARNATAKA	0.60	...	...	0.30	1.21	...	...	0.60
ALL INDIA :	GOLD	0.59	...	...	0.29	1.18	...	...	0.59
10.	GRANITE								
	ANDHRA PRADESH								
	Guntur	...	150.00	...	125.00	...	...	...	...
	Prakasham	...	0.95	...	0.68	...	0.24	...	0.17
TOTAL :	ANDHRA PRADESH	...	1.46	...	1.07	...	0.21	...	0.15
	TAMIL NADU								
	Tirunelveli	...	...	71.43	10.42	...	...	...	...
	Villupuram	...	9.76	...	7.55	...	4.88	...	3.77
TOTAL :	TAMIL NADU	...	0.72	2.27	0.93	...	0.36	...	0.31
	WEST BENGAL								
	Birbhum	...	83.33	...	76.92	...	...	...	...
TOTAL :	WEST BENGAL	...	83.33	...	76.92	...	...	...	...
ALL INDIA :	GRANITE	...	1.03	0.37	0.89	...	0.21	...	0.16
11.	GYPSUM								
	JAMMU & KASHMIR								
		...	25.97	...	23.26	...	...	...	...
TOTAL :	JAMMU & KASHMIR	...	18.02	...	16.53	...	...	...	...
ALL INDIA :	GYPSUM	...	7.81	...	5.68	...	...	...	...
12.	IRON								
	CHHATTISGARH								
	Durg	...	...	...	...	...	1.05	...	0.62
	Dantewara	...	...	...	...	...	1.46	...	0.54
TOTAL :	CHHATTISGARH	...	...	...	...	...	0.94	...	0.48
	JHARKHAND								
	West Singbhum	...	...	...	...	...	0.87	...	0.20
TOTAL :	JHARKHAND	...	...	...	...	...	0.87	...	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
	KARNATAKA								
	Bellary	...	...	...	...	...	...	0.56	0.18
TOTAL :	KARNATAKA	...	...	...	...	...	...	0.49	0.14
	ORISSA								
	Keonjhar	...	0.37	0.12	0.24	...	0.12	...	0.06
TOTAL :	ORISSA	...	0.24	0.09	0.17	...	0.08	...	0.04
	RAJASTHAN								
	Bhilwara	...	...	2.21	1.30	...	...	...	...
TOTAL :	RAJASTHAN	...	...	2.15	1.20	...	...	...	...
ALL INDIA :	IRON	...	0.11	0.08	0.09	...	0.18	0.04	0.11
13.	LATERITE								
	KARNATAKA								
	Belgaum	...	...	90.91	8.85	...	...	...	...
TOTAL :	KARNATAKA	...	...	90.91	8.85	...	...	...	...
ALL INDIA :	LATERITE	...	...	21.74	2.70	...	...	...	...
14.	LIMESTONE								
	CHHATTISGARH								
	Durg	...	...	...	...	...	6.49	...	2.40
TOTAL :	CHHATTISGARH	...	...	...	...	...	0.92	...	0.62
	ORISSA								
	Sambalpur	...	...	...	...	...	...	40.00	3.77
TOTAL :	ORISSA	...	...	...	...	...	...	1.10	0.32
	RAJASTHAN								
	Bundi	...	6.62	...	3.52	...	...	...	...
	Chittorgarh	...	2.39	...	1.79	...	...	...	...
TOTAL :	RAJASTHAN	...	0.26	...	0.22	...	...	...	...
	TAMIL NADU								
	Tirunelveli	...	2.99	...	2.72	...	2.99	...	2.72
TOTAL :	TAMIL NADU	...	0.53	...	0.45	...	0.53	...	0.45
ALL INDIA :	LIMESTONE	...	0.12	...	0.09	...	0.08	0.13	0.09

Statement 4.6b (continued)

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B.G.	O.C.	A.G.	Overall	B.G.	O.C.	A.G.	Overall
1	2	3	4	5	6	7	8	9	10
15.	MAGNESITE								
	TAMIL NADU								
	Salem	...	...	...	...	...	0.52	...	0.51
	TOTAL : TAMIL NADU	...	...	...	...	...	0.52	...	0.51
	ALL INDIA : MAGNESITE	...	...	...	...	...	0.45	...	0.42
16.	MANGANESE								
	KARNATAKA								
	Bellary	...	1.12	...	0.54	...	...	...	...
	TOTAL : KARNATAKA	...	0.90	...	0.47	...	...	...	...
	MADHYA PRADESH								
	Balaghat	0.59	...	...	0.31	...	...	...	...
	TOTAL : MADHYA PRADESH	0.59	...	...	0.28	...	...	...	...
	ALL INDIA : MANGANESE	0.38	0.12	...	0.11	...	...	...	...
17.	MARBLE								
	MADHYA PRADESH								
	Katni	...	23.26	...	19.61	...	...	...	...
	TOTAL : MADHYA PRADESH	...	16.13	...	10.99	...	...	...	...
	RAJASTHAN								
	Banswara	...	21.90	...	15.23	...	7.30	...	5.08
	Nagaur	.....	Employment figures not available						.....
	Udaipur	.....	Employment figures not available						.....
	Rajsamand	...	1.03	...	0.85	...	...	...	...
	TOTAL : RAJASTHAN	...	8.22	...	6.51	...	2.24	...	1.77
	ALL INDIA : MARBLE	...	6.99	...	5.45	...	1.75	...	1.36
18.	MICA								
	BIHAR								
	Nawada	...	90.91	...	27.78	...	...	...	...
	TOTAL : BIHAR	...	90.91	...	27.78	...	...	...	...
	ALL INDIA : MICA	...	13.25	...	3.46	...	...	...	...

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
19.	QUARTZ								
	RAJASTHAN								
	Ajmer	.....	Employment figures not available					.....	
TOTAL :	RAJASTHAN	...	12.99	...	10.64	...	25.97	...	21.28
ALL INDIA :	QUARTZ	...	1.04	...	0.92	...	2.08	...	1.85
20.	SILICA								
	ANDHRA PRADESH								
	Nellore	...	11.90	...	11.90	...	...	...	...
TOTAL :	ANDHRA PRADESH	...	11.90	...	11.90	...	...	...	...
ALL INDIA :	SILICA	...	0.49	...	0.34	...	...	...	...
21.	SILLIMANITE								
	TAMIL NADU								
	Kanyakumari	...	...	...	...	...	0.86	...	0.68
TOTAL :	TAMIL NADU	...	...	...	...	...	0.86	...	0.68
ALL INDIA :	SILLIMANITE	...	...	...	...	...	0.52	...	0.25
22.	STEATITE								
	RAJASTHAN								
		.....	Employment figures not available					.....	
TOTAL :	RAJASTHAN	...	0.53	...	0.38	...	1.05	...	0.76
ALL INDIA :	STEATITE	...	0.26	...	0.21	...	0.52	...	0.41
23.	STONE								
	ANDHRA PRADESH								
	Nellore	...	41.67	...	40.00	...	...	...	...
TOTAL :	ANDHRA PRADESH	...	19.80	...	18.69	...	...	...	...
	BIHAR								
	Nawada	...	58.82	...	41.67	...	...	...	...
TOTAL :	BIHAR	...	46.88	...	32.26	...	...	...	...
	JHARKHAND								
	Koderma	...	68.97	...	39.22	...	...	...	...
	Pakur	...	1.84	...	0.89	...	1.84	...	0.89
TOTAL :	JHARKHAND	...	2.85	...	1.42	...	0.95	...	0.47

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
	KERALA								
	Ernakulam	.....	Employment figures not available						.....
TOTAL :	KERALA	...	307.69	...	222.22	...	76.92	...	55.56
	RAJASTHAN								
	Churu	.....	Employment figures not available						.....
	Nagaur	.....	Employment figures not available						.....
TOTAL :	RAJASTHAN	...	7.12	...	5.24	...	7.12	...	5.24
	TAMIL NADU								
	Kancheepuram	...	14.18	...	12.50	...	...	...	...
	Villupuram	.....	Employment figures not available						.....
TOTAL :	TAMIL NADU	...	6.76	...	5.58	...	...	...	...
	UTTAR PRADESH								
	Sonebhadra	.....	Employment figures not available						.....
TOTAL :	UTTAR PRADESH	.....	Employment figures not available						.....
	WEST BENGAL								
	Birbhum	...	2.09	...	1.15	...	...	...	...
TOTAL :	WEST BENGAL	...	2.00	...	1.08	...	...	...	...
ALL INDIA :	STONE	...	3.60	...	2.54	...	0.76	...	0.53
24.	ATOMIC MINERAL								
	JHARKHAND								
	West Singbhum	.....	Employment figures not available						.....
TOTAL :	JHARKHAND	.....	Employment figures not available						.....
ALL INDIA :	ATOMIC MINERAL	.....	Employment figures not available						.....
ALL INDIA :	ALL NON-COAL MINERALS	0.39	0.55	0.11	0.35	1.45	0.21	0.33	0.32

STATEMENT NO. 4.7

Number of accidents and casualties/seriously injured persons in non-coal mines by place and detailed cause in 2013

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	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Gold	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Manganese	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Fall of Roof	2	2	0	2	2	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2
Asbestos	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
Granite	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	2	3	0	0	0
Mica	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
Quartz	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	1	2	0	0
Steatite	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	1	1	2	0	0
Stone	0	0	0	0	0	4	8	1	0	0	0	0	0	0	0	4	8	1	0	0
TOTAL : Fall of Sides (Other than Overhangs)	0	0	0	0	0	10	17	5	0	0	0	0	0	0	0	10	17	5	0	0
Gypsum	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
Stone	0	0	0	0	0	2	5	1	0	0	0	0	0	0	0	2	5	1	0	0
TOTAL : Fall of Overhangs	0	0	0	0	0	3	7	1	0	0	0	0	0	0	0	3	7	1	0	0
TOTAL : GROUND MOVEMENT	2	2	0	2	2	13	24	6	0	0	0	0	0	0	0	15	26	6	2	2
Marble	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	2	1	0	0
TOTAL : Breakage of Rope,Chain,Craw/Suspn. Gear	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	2	1	0	0
TOTAL : TRANSPORTATION MACHINERY (WINDING)	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	1	2	1	0	0

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
Apatite & Rock Phosphate	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	0	0	2	2	0	0	0	2	2	0	0	0
TOTAL : Conveyors	0	0	0	0	0	1	1	0	0	0	2	2	0	0	0	3	3	0	0	0
China Clay,Clay,White-clay	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	1	1	0	0	0	1	1	0	1	1
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Stone	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
TOTAL : Dumpers	0	0	0	1	1	4	4	0	1	1	1	1	0	0	0	5	5	0	2	2
Copper	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Manganese	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	2	2	1	0	0	0	0	0	0	0	2	2	1	0	0
TOTAL : Wheeled Trackless(Truck,Tanker,etc.)	0	0	0	1	1	3	3	1	1	1	0	0	0	2	3	3	3	1	4	5
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	0	0	0	2	2	8	8	1	2	2	3	3	0	2	3	11	11	1	6	7
Gold	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Drilling Machines	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	1	1	0	0	0	2	2	0	0	0
TOTAL : Loading Machines	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2	0	0	0
Laterite	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Crushing & Screening Plants	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Iron	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	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident	
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	3	3
Copper	0	0	0	2	2	0	0	0	0	0	0	0	0	1	1	0	0	0	3	3
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	1	1	0	0	0	0	0	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
Sillimanite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Other Non-Transportation Machinery	0	0	0	3	3	0	0	0	2	2	0	0	0	5	5	0	0	0	10	10
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	0	0	0	5	5	2	2	0	2	2	2	2	0	5	5	4	4	0	12	12
Galena & Sphalarite	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	2	1	0	0	0	0	0	0	0	1	2	1	0	0
TOTAL : Misfires/Sockets(While Drilling into)	1	1	0	0	0	1	2	1	0	0	0	0	0	0	0	2	3	1	0	0
TOTAL : EXPLOSIVES	1	1	0	0	0	1	2	1	0	0	0	0	0	0	0	2	3	1	0	0
Silica	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Overhead Lines	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Electrical Accidents	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : ELECTRICITY	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	2	2	2	0	0	2	2	2	0	0
TOTAL : Explosion/Ignition of Gas/Dust etc.	0	0	0	0	0	0	0	0	0	0	2	2	2	0	0	2	2	2	0	0
Oil	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	0	0	0
TOTAL : Other Accidents due to Dust/Gas/Fire	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2	0	0	0
TOTAL : DUST, GAS & OTHER COMBUSTIBLE MATERIAL	0	0	0	0	0	0	0	0	0	0	3	4	2	0	0	3	4	2	0	0

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident	
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Dolomite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Gold	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	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Iron	0	0	0	0	0	1	2	0	1	1	0	0	0	1	1	1	2	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
Stone	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	2	2	1	0	0
TOTAL : Fall of Person from Height/into Depth	1	1	0	1	1	8	9	1	1	1	0	0	0	2	2	9	10	1	4	4
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	4	4
Chromite	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	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Iron	0	0	0	0	0	0	0	0	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	1	1	0	0	0	6	6	0	0	0	7	7
Oil	0	0	0	0	0	0	0	0	0	0	1	1	1	4	4	1	1	1	4	4
Chromite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	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	1	1	0	0	0	0	0	0	0	0	2	2	0	0	0	3	3
Granite	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	1
Iron	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2
Marble	0	0	0	0	0	6	7	2	0	0	0	0	0	0	0	6	7	2	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 Objects incl. Rolling Objects	0	0	0	3	3	7	8	2	5	5	1	1	1	8	8	8	9	3	16	16
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Other Accidents due to Falls	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	1	1	0	5	5	15	17	3	7	7	1	1	1	16	16	17	19	4	28	28

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident	
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Marble	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
TOTAL : Flying Pieces(Except due to Explosives)	0	0	0	0	0	2	2	0	0	0	0	0	0	1	1	2	2	0	1	1
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Drowning in Water	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Chromite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Unclassified	0	0	0	1	1	0	0	0	0	0	0	0	0	2	2	0	0	0	3	3
TOTAL : OTHER CAUSES	0	0	0	1	1	3	3	0	0	0	0	0	0	3	3	3	3	0	4	4
ALL INDIA : ALL NON-COAL MINERALS	4	4	0	15	15	45	60	12	11	11	9	10	3	26	27	58	74	15	52	53

STATEMENT NO. 4.8

Fatal accidents and casualties in non-noal mines by broad causes in 2013

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	1	--	--	--	1	--	--	2
Killed-Injr :	--	--	1- 0	--	--	--	1- 0	--	--	2- 0
Fall of Sides	--	--	--	--	--	--	--	6	7	13
Killed-Injr :	--	--	--	--	--	--	--	13- 2	11- 4	24- 6
Dumpers	--	--	1	--	--	1	--	2	1	5
Killed-Injr :	--	--	1- 0	--	--	1- 0	--	2- 0	1- 0	5- 0
Trucks	--	--	--	--	--	--	1	2	--	3
Killed-Injr :	--	--	--	--	--	--	1- 0	2- 1	--	3- 1
Other Machinery	--	--	--	--	3	--	--	--	5	8
Killed-Injr :	--	--	--	--	3- 0	--	--	--	6- 1	9- 1
Explosives	--	--	1	--	--	--	--	--	1	2
Killed-Injr :	--	--	1- 0	--	--	--	--	--	2- 1	3- 1
Fall of Persons	--	--	--	1	1	1	--	2	4	9
Killed-Injr :	--	--	--	1- 0	2- 0	1- 0	--	2- 1	4- 0	10- 1
Fall of Objects	1	--	--	--	--	--	--	--	7	8
Killed-Injr :	1- 1	--	--	--	--	--	--	--	8- 2	9- 3
Other Causes	3	--	--	--	--	1	--	--	4	8
Killed-Injr :	4- 2	--	--	--	--	1- 0	--	--	4- 0	9- 2
Below Ground	--	--	2	1	--	--	1	--	--	4
Killed-Injr :	--	--	2- 0	1- 0	--	--	1- 0	--	--	4- 0
Opencast	--	--	--	--	2	3	1	12	27	45
Killed-Injr :	--	--	--	--	3- 0	3- 0	1- 0	19- 4	34- 8	60-12
Above Ground	4	--	1	--	2	--	--	--	2	9
Killed-Injr :	5- 3	--	1- 0	--	2- 0	--	--	--	2- 0	10- 3
TOTAL	4	--	3	1	4	3	2	12	29	58
Killed-Injr :	5- 3	--	3- 0	1- 0	5- 0	3- 0	2- 0	19- 4	36- 8	74-15

STATEMENT NO. 4.9

Serious accidents and seriously injured persons in non-coal mines by broad causes in 2013

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	1	1	--	--	--	--	--	2
Injured :	--	--	1	1	--	--	--	--	--	2
Dumpers	--	--	1	--	1	--	--	--	--	2
Injured :	--	--	1	--	1	--	--	--	--	2
Trucks	--	1	2	--	--	1	--	--	--	4
Injured :	--	2	2	--	--	1	--	--	--	5
Other Machinery	3	3	2	1	--	--	--	--	3	12
Injured :	3	3	2	1	--	--	--	--	3	12
Fall of Persons	5	1	1	--	3	--	--	--	1	11
Injured :	5	1	1	--	3	--	--	--	1	11
Fall of Objects	4	1	3	--	2	2	--	--	4	16
Injured :	4	1	3	--	2	2	--	--	4	16
Other Causes	3	1	--	--	--	--	--	--	1	5
Injured :	3	1	--	--	--	--	--	--	1	5
Below Ground	--	5	6	2	--	--	--	--	2	15
Injured :	--	5	6	2	--	--	--	--	2	15
Opencast	--	--	--	--	5	2	--	--	4	11
Injured :	--	--	--	--	5	2	--	--	4	11
Above Ground	15	2	4	--	1	1	--	--	3	26
Injured :	15	3	4	--	1	1	--	--	3	27
TOTAL	15	7	10	2	6	3	--	--	9	52
Injured :	15	8	10	2	6	3	--	--	9	53

STATEMENT NO. 4.10

Regionwise/Zonewise accidents in non-coal mines in 2013

Region / Zone	Fatal Accidents			Serious Accidents	
	Accident	Killed	Injured	Accident	Injured
Koderma	2	5	--	--	--
Central Zone	2	5	--	--	--
Guwahati	2	3	--	8	8
Sitarampur II	2	2	--	--	--
Sitarampur III	1	1	1	--	--
Eastern Zone	5	6	1	8	8
Ahmedabad	2	2	3	4	4
Ajmer	1	2	1	--	--
Udaipur	8	9	3	8	8
North-Western Zone	11	13	7	12	12
Ajmer	9	10	5	7	7
Gwalior	1	1	--	--	--
Ghaziabad	3	4	--	--	--
Northern Zone	13	15	5	7	7
Goa	1	1	--	--	--
Hyderabad I	2	2	--	1	1
Hyderabad II	7	9	--	1	1
South-Central Zone	10	12	--	2	2
Bhubaneswar	1	1	--	4	4
Chaibasa	2	3	--	5	5
Koderma	1	2	--	--	--
South-Eastern Zone	4	6	--	9	9
Bangluru	1	4	1	--	--
Bellary	3	3	--	3	3
Chennai	5	6	1	5	5
Southern Zone	9	13	2	8	8
Bilaspur	1	1	--	4	4
Jabalpur	2	2	--	1	1
Nagpur I	1	1	--	1	2
Western Zone	4	4	--	6	7
ALL INDIA	58	74	15	52	53

STATEMENT NO. 4.11

Fatal accidents in non-coal mines by cause and responsibility in 2013

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Management	8	1	–	1	–	–	2	7	2	21
Management & Sub. Sup. Staff(SSS)	4	–	2	–	1	–	–	1	–	8
Management, SSS & Coworker	–	–	–	1	–	–	–	–	–	1
Management & Coworker	–	–	2	1	–	–	–	1	–	4
Management,Coworker,Deceased,Injured & Injured	–	–	–	–	–	–	–	1	–	1
Management & Deceased	1	–	–	–	–	–	–	–	–	1
Subordinate Supervisory Staff(SSS)	1	–	1	–	1	1	–	4	–	8
Sub.Sup.Staff, Coworker & Deceased	–	–	1	1	–	–	–	–	–	2
Sub. Sup. Staff & Deceased	1	–	–	–	–	–	–	–	–	1
Sub.Sup.Staff,Deceased and Outsider	–	–	1	–	–	–	–	–	–	1
Coworker	–	–	1	–	–	–	–	1	–	2
Deceased	–	–	3	–	–	1	–	1	1	6
Others	–	–	–	–	–	–	1	1	–	2
Total	15	1	11	4	2	2	3	17	3	58

STATEMENT NO. 4.12

Summary of Findings of Fatal Accidents during the year, 2013

Code : 0100 Ground Movement

Code : 0111 Fall of Roof
(2 Deaths)

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1. Date - 28/05/13 Mine - SINDESAR KHURD GALENA & SPHALARITE
   Time - 1.45 Owner - HINDUSTAN ZINC LTD.
   Dist. - Rajsamand, State - Rajasthan
   Person(s) Killed :
   1. Puran Mal Suthar, General Mazdoor, Male, 37 Years

While three general mazdoors were doing water spraying after blasting on an unsupported roof at a distance of about 3m from the development face, a piece of stone measuring about 1.4m (L) X 1.0m (W) X 0.6m (H) fell from the roof at a height of about 1.5m inflicting serious bodily injuries to one person to which he succumbed after about two hours during treatment in the hospital.

Had

i) the roof at the development face been adequately secured before commencement of work thereat as required under provisions of Regulation 112(1) of the Metalliferous Mines Regulations, 1961, read with Systematic Support Rules framed and implemented by the Mine Manager under Regulation 112(2)(a) of the Metalliferous Mines Regulations, 1961;

ii) the provisions of the Systematic Support Rules been effectively complied and the face was not worked in contravention thereof as required under the provisions of Regulation 112(c) of the Metalliferous Mines Regulations, 1961.

iii) it been ensured that every official & competent person engaged at the development face has received a copy, understands, carries out and enforces the Systematic Support Rules framed and implemented by the Mine Manager, in proper manner as required under Regulation 44(4) of the Metalliferous Mines Regulations, 1961;

this accident could have been averted.

2. Date - 03/09/13 Mine - BALAGHAT MANGANESE MINE
   Time - 19.45 Owner - MANGANESE ORE [INDIA] LTD.
   Dist. - Balaghat, State - Madhya Pradesh
   Person(s) Killed :
   1. Sukalu, Piece Rated Worker, Male, 47 Years

While a miner was engaged in manual loading operation in a slope of an underground metalliferous mine, a piece of ore measuring about 40cm (Length) X 20cm (breadth) X 10cm (thickness) fell from roof/back from a height of 1.5m over his head and hit his chest and leg inflicting serious bodily injuries which turned into fatal after 4 months and 6 days.

Had the roof or back of the slope been made and kept secure as required under Regulation 112(1) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

Code : 0112 Fall of Sides (Other than Overhangs)
(17 Deaths)

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3. Date - 01/01/13
Time - 15.00

Mine - QUARTZ & FELSPAR MINE (ML NO. 171/07)
Owner - SMT. KAVITA JAIN
Dist. - Ajmer, State - Rajasthan
Person(s) Killed :
1. Pusi Devi,Mazdoor, Female, 35 Years

While seven(mazdoors) were engaged at the bottom of a 3.5m high and overhanging bench in an opencast mine for sorting of blasted ore a stone measuring about 2.0m X 2.0m X 0.5m parted from a height of about 3.5m and fell over the mazdoors killing one female mazdoor on the spot and inflicting serious bodily injuries to two others.

Had

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

ii) undercutting of the 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)&(4) of the Mines Act, 1952,

this accident could have been averted.

4. Date - 22/02/13
Time - 16.00

Mine - SHARDA U/C MICA MINE I
Owner - SHARDA MICA MINING CO. LTD.
Dist. - Nawada, State - Bihar
Person(s) Killed :
1. Tulsi Turia,Miner(D.R.Worker), Male, 21 Years
2. Upendra Bhuya,Miner (D.R.Worker), Male, 39 Years

While eight miners were handling the mica ore at the toe of 6m high bench, the side measuring 7m (along face) X 5m (vertical) X 10 to 20cm thick mixed with kaolin fell down suddenly inflicting fatal injury to two of them and four escaped with minor injuries.

Had a proper inspection and examination of working place been done to ascertain the condition of the sides as required under Regulations 47(1) & 116(3)(b&c) and 44(1)(a) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

5. Date - 18/03/13
Time - 17.30

Mine - KALPANA ENTERPRISES GRANITE MINE
Owner - M/S KALPANA ENTERPRISES
Dist. - Guntur, State - Andhra Pradesh
Person(s) Killed :
1. Kalu Ram, Wire Saw Operator, Male, 32 Years
2. Venka Bhandari, Cutter, Male, 27 Years

While the sleeves of the diamond wire rope of the wire saw machine was being jointed at the bottom of the bench of an opencast mine, a mass of granite block measuring about 2.6mx 2.2mx 0.7m thick dislodged from the side from a height of about 6(six) meters and fell over the operator and helper causing serious injuries to which they succumbed almost instantly.

Had the sides of the bench been kept secured by dressing so as to prevent from the danger of the fall of sides and also a qualified manager and other statutory official been appointed for the management, control, supervision and direction of all mining operations in the mine as required under Regulation 106(3), 34(1), 37 & Reg. 116 of MMR, 1961 read with section 17(1) of the Mines Act 1952, this accident could have been averted.

6. Date - 15/05/13
Time - 17.30

Mine - B.PENCHAL REDDY STONE QUARRY
Owner - SHRI B.PENCHAL
Dist. - Nellore, State - Andhra Pradesh
Person(s) Killed :
1. Repana Reddanna, Stone Breaker, Male, 56 Years
2. Turaka Venkataiah, Stone Breaker, Male, 55 Years

While two workmen were taking shelter at the bottom of the bench of an opencast mine to protect them from the sudden rain and wind, a portion of the side dislodged from a height of about 20 to 22m and fell over them causing serious injuries to which they succumbed almost instantaneously.

Had the sides of the working been kept properly benched and sloped so as to prevent from the danger of the fall of sides and also a qualified manger and other statutory officials been appointed for the management, control, supervision and direction of all mining operations at the mine as required under Regulation 106(1), 34(1), 37 & Reg. 116 of the Metalliferous Mines Regulation 1961 read with section 17(1) of the Mines Act 1952, this accident could have been averted.

7. Date - 25/06/13
Time - 15.00

Mine - PARAS STONE QUARRY
Owner - M/S PREMIER METALS LTD.
Dist. - Nawada, State - Bihar
Person(s) Killed :
1. Pintu Sharma, Driller, Male, 31 Years
2. Lato Sudhari, Driller, Male, 39 Years
3. Sukhdeo Pandit, Driller, Male, 39 Years

While three drillers were attending the breakdown of a Tractor mounted with compressor stationed on an alluvium bench in a stone Quarry, the side of alluvium bench measuring 6m (along face)X 5m (vertical) X0.20m (thick) fell down suddenly from a height of 8 to 10m burying all of them to death.

Had

i) the alluvium side been kept benched at 1.5m high and the the breadth not less than the height or sloped at an angle of safety not exceeding 45 degrees from horizontal as required under regulation 106(1) of the Metalliferous Mines Regulations, 1961 and

ii) a proper inspection and examination of opencast workings been done and ascertained the condition of the sides as required under Regulations 47(1) read with Reg. 116(3)(b) & (c) and 44(1)(a) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

8. Date - 26/07/13
Time - 10.30

Mine - KHARKHAR STONE QUARRY
Owner - SRI BINOD MEHTA & SHAILENDRA KUMAR
Dist. - Koderma, State - Jharkhand
Person(s) Killed :
1. Raju Mehta, Driller(Contr. Worker), Male, 38 Years
2. Mukesh Yadav,Driller(Contr.Worker), Male, 25 Years

While two drillers were drilling at the bottom of a stone quarry, quarry side containing alluvium and stone measuring about 12m X 2.5m X 0.6m in size got dislodged from the side and fell down through a height of 27m inflicting instant fatal injury to both drillers.

Had

i) the sides been properly slopped or kept benched as required under Reg. 106(1)(a) & (2)(a) of the Metalliferous Mines Regulations, 1961.

ii) a Mining Mate and qualified Manager been appointed to supervise the mining operations as required under Regulations 39 (1)(a), 116(1) & 34(1) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) & 18(1) of the Mines Act, 1952,

the accident could have been averted.

9. Date - 03/09/13
Time - 10.00

Mine - KALORA SOAPSTONE & DOLOMITE MINE
Owner - M/S S.SOHAN SINGH JOGINDER SINGH & CO.
Dist. - , State - Rajasthan
Person(s) Killed :
1. Mohni Bai, Unskilled Worker, Female, 45 Years

While three female workers were engaged in sorting of soapstone at the bottom of the second bench having height about 20m in an opencast mine, a block of loose soil measuring about 8m (length) X 7m (width) X 2m (thickness) fell from a height of about 9m burying all the three workers, inflicting fatal injury to one on the spot & serious bodily injury to other two.

Had

i) the sides been kept adequately benched, sloped or secured so as to prevent danger from fall of sides, before engaging the persons at the bottom of the high side as required under Regulation 106(3) of Metalliferous Mines Regulations, 1961; and

ii) it been ensured that the every part of the mine, in which persons have to work during the shift, is inspected to ascertain that the condition of the sides is safe for the persons to work thereat as required under Regulation 116(3) of Metalliferous Mines Regulations, 1961,

this accident could have been averted.

10. Date - 16/10/13
Time - 2.40

Mine - RASUN GRANITES MINE
Owner - M/S RASUN EXPORT PVT. LTD.
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. R.Vijay, Cutter, Male, 29 Years

While a workman was standing on the top of the wire saw sub-cut which was being dislodged from the host-rock bench, in an opencast mine, suddenly the sub-cut fell and he fell down along with it and got trapped under causing, serious injury to which he succumbed almost instantaneously.

Had the workmen not negligently stood on the top of the sub-cut which was likely to dislodge and fall down and endangered his own life in contravention to the provisions of Reg.41(1) read with Reg. 181 of the Metalliferous Mines Regulation 1961 and reasonable means were taken to ensure that the workmen did not stand over the sub-cut as required under Reg.47(1)(b) & (2)(c) of the Metalliferous Mines Regulations 1961, this accident could have been averted.

11. Date - 21/10/13
Time - 16.50

Mine - MASSARO KI OBERI SERPENTINE MINE
Owner - M/S DATTATRAY MINING PVT. LTD.
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :
1. Thawra Meena, Worker, Male, 40 Years
2. Dinesh Meena, Worker, Male, 55 Years

While three workers were working at the toe of the bench, a Serpentine block measuring about 4m (Length) X 3m (Width) X 1m (Thickness) fell from a height of about 3.5m inflicting fatal injury to two and one escaped unhurt.

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

12. Date - 21/11/13
Time - 17.30

Mine - RANDHISAR PAHADI CHEJA PATTHAR MINE
Owner - SHRI PANNA LAL BALU RAM BHAMBI
Dist. - Churu, State - Rajasthan
Person(s) Killed :
1. Nema Ram, Tractor Driver, Male, 27 Years

While a tractor trolley loaded with masonery stone was moving up along a haul road at the foot of 40m high side in an opencast mine, a stone measuring about 0.5m x 0.5m x 0.3m parted from the side at a height of about 20m and fell over hood of the tractor inflicting serious bodily injuries to the driver and a mazdoor sitting on mud-guard of the tractor to which the driver succumbed on way to a hospital and the mazdoor however escaped with serious head injuries.

Had

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

ii) helmet been supplied to the persons employed in the mine,

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

iv) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter no. AJ/DMS/22(3)/2007/7142 dated 20/07/2007 as required under the provisions of Regulations 106(3) and (4), 182A(2) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) and 22(3) of the Mines Act, 1952,

this accident could have been averted.

Code : 0113 Fall of Overhangs
(7 Deaths)

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13. Date - 26/04/13
Time - 15.30

Mine - BILLI MARKUNDI STONE MINE(S.N.4949 KHA)
Owner - M/S SHIVAM STONE PRODUCTS
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :
1. Maan Singh, Lobourer, Male, 24 Years

While three persons were employed on a ledge at a height of about 23m from the quarry floor, on a 32m high & near-vertical side of a stone quarry to make a platform for drilling & blasting of jack-hammer holes, the top 12-14m high overhanging side comprising of clayey morum embedded with boulders of stone collapsed over a length of 14m on the eastern side of the ledge. One person fell along with the debris onto the quarry-floor 23m below to get partially buried under the fallen debris and received serious bodily injuries, to which he succumbed whilst on way to the hospital.

Had

i) sides of the opencast workings been kept benched, sloped and secured whilst working the mine 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.

ii) persons not been allowed to work at any place/ledge from where they are likely to slip or overbalance to fall more than 1.8m, unless he was secured by a safety belt/full body harness of an approved type, suitably fixed to prevent him from falling, as required by the provisions of Regulation 118(4) of the Metalliferous Mines Regulations,1961, read with DGMS Circular No. Tech. 3 of 2006 & DGMS Tech Circular (Approval) No. 06 dated 27.12.2010,

iii) the mine been placed under the charge of a duly qualified person authorized to act as manager (in absence of the manager) to ensure that all work in the mine was carried on in accordance with the provisions of the Mines Act, and of the regulations, rules, bye-laws and orders made there-under, whereby safety of persons employed in the mine was ensured in every respect, as required by the provisions of Section 17(1) of the Mines Act, 1952, read with Regulation 34(7)(a) of the Metalliferous Mines Regulations, 1961, and

iv) duly qualified mining mate(s) been appointed at the mine to exercise personal supervision and ensure that all operations in the mine was done in accordance with the provisions of the Mines Act and of the Regulations, rules, bye-laws and orders made there under as to ensure the safety of persons employed in the mine, as required by the provisions of Regulation 116 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

14. Date - 10/05/13
Time - 13.30

Mine - PARLANKA GYPSUM MINE
Owner - M/S J & K MINERALS LTD.
Dist. - , State - Jammu & Kashmir
Person(s) Killed :
1. Uttam Singh, Mining Mate, Male, 35 Years
2. Javed Ahmed Dar, Mining Mate, Male, 36 Years

While Two Supervisors (mining Mate) were reportedly taking lunch under an overhang near about 30 m high bench in an open cast mine, pieces of gypsum measuring about 1.00m X 0.75m X 0.5m, parted from roof of the undercut, at a height of about 8.00m and feel on them, infliction serious injuries to which they succumbed almost instantly.

Had the deceased not sat away from the working place and under an overhang near toe of high bench without ascertaining the condition of the sides, thus not endangered their own safety in contravention of the Regulation 41(b), 116(3) (b) and 181 of MMR 1961 and the undercut which causes the overhang in the mine was not created in contravention of the Regulation 106(5) of MMR 1961, this accident could have been averted.

15. Date - 23/07/13
Time - 8.15

Mine - GRANITE BUILD.STONE QUARRY SY.376/3-2
Owner - SHRI E. V. RAJAN
Dist. - Ernakulam, State - Kerala
Person(s) Killed :
1. Vijyan, Driller, Male, 48 Years
2. Mohanan, Driller, Male, 49 Years
3. Ramakant, Driller, Male, 27 Years

4. Shantosh, Driller, Male, 41 Years

While four drillers were drilling shot-holes at the bottom bench in a Granite Building Stone Quarry surrounded by 25-38m high side walls with overhangs and an Excavator was engaged in loading of Granite Building Stone to a Tipper- Truck, the over-hanging side wall, measuring 34m (height)X 02-07m (width)X 0.5-3.0m (thick), gave-way from a height of about 02-36 meters burying completely to all four drillers, inflicting fatal injuries, toppling the Excavator there by inflicting serious bodily injuries to the Excavator Operator and reportable injuries to the Excavator Helper whereas the Tipper Driver escaped with minor injury.

Had

i) the side been dept benched with proper height & slope as required under Regulation 106(2)(a) & (3) of the Metalliferous Mines Regulations, 1961,

ii) the mine been placed under the control of a Manager, Foreman & other competent persons and the workmen not been allowed to work in the close proximity of a high side wall with over-hanging strata as required under Regulation 34(1), 39(1)(a), 116(a) and Regulation 181 of the Metalliferous Mines Regulations, 1961 read Section 17(1) & Section 18(4) of the Mines Act, 1952,

this accident could have been averted.

Code : 0200 Transportation Machinery (Winding)

Code : 0222 Breakage of Rope,Chain,Craw/Suspn. Gear (2 Deaths)

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16. Date - 04/06/13
Time - 17.00

Mine - GUNWATI (C) RANGE MARBLE MINE QL NO. 162
Owner - SHRI ABDUL QAYUM & SMT. AABIDA BEGAM
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Vikram Singh, Shovel Operator, Male, 36 Years
2. Jitendra Singh, Mazdoor, Male, 30 Years

While a hydraulic excavator, tied with a spliced sling of wire rope with its' operator sitting in the operator's cabin, was being raised by a crane to lower it down a 50m deep open cast marble mine, its bucket got entangled at the edge of the quarry causing the spliced sling to open and release the excavator to fall in to the mine along with the operator and another mazdoor engaged to release its bucket, killing both of them on the spot.

Had

i) spliced sling of wire rope not been used for lowering of excavator to quarry bottom,

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

iii) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter no. AG/(DMS)/22(3)/2826 dated

12.04.2003 as required under the provision of Regulations 88(2)(c) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) and 22(3) of the Mines Act, 1952.

this accident could have been averted.

Code : 0300 Transportation Machinery (Non-Winding)

Code : 0334 Conveyors
(3 Deaths)

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17. Date - 27/02/13 Mine - MADDEVRA ROCK PHOSPHATE MINE
Time - 15.30 Owner - M/S MADHYA PRADESH STATE MINING CORPN. LTD
Dist. - Chhatarpur, State - Madhya Pradesh
Person(s) Killed :
1. Bahadur Singh, Crusher Plant Helper, Male, 25 Years

While a Crusher Plant operator's helper was making adjustment on the tail drum of a moving belt conveyor, his right hand got caught between the moving belt conveyor and the tail drum causing injury to which he succumbed on the spot.

Had he not carried out the adjustment on the moving belt conveyor and thus negligently and wilfully not endangered his own life and safety, in contravention of the provisions of Regulation 174(4) and 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

18. Date - 10/04/13 Mine - BOLANI IRON ORE MINE
Time - 9.20 Owner - RAW MATERIAL DIVISION (SAIL)
Dist. - Keonjhar, State - Orissa
Person(s) Killed :
1. Manmohan Naik,Tech.Cum Attendent, Male, 42 Years

While a Technician-cum-Attendant standing in a stacker conveyor and holding a return idler of another conveyor lying overhead was cleaning and lubricating the Plummer block of same idler, the overhead conveyor started suddenly and pulled half of his body in between roller and conveyor. In this process he received serious bodily injuries to which he succumbed while being treated at hospital.

Had

(i) the intermediate conveyor not been operated without giving pre-start alarm, thus, negligently omitted to do thing necessary for the safety of the persons employed therein in contravention of the provision of Regulation 181 of Metalliferous Mines Regulations, 1961,

(ii) the Cleaning and lubrication work of the idler been done after taking proper shut down of intermediated conveyor thus allowed himself in greasing work without taking proper shut down of belt

where there was a risk of injury in contravention of the provision of Regulation 174 (3) of Metalliferous Mines Regulations, 1961,

this accident could have been averted.

19. Date - 25/10/13 Mine - DHEDWS IRON ORE MINE
Time - 18.30 Owner - JINDAL SAW LTD
Dist. - Bhilwara, State - Rajasthan
Person(s) Killed :
1. Kalyan Mal Jat, Mazdoor, Male, 20 Years

While a cleaning mazdoor put his hand-shovel in between top and bottom belts near tail end drum of a running belt in an ore beneficiation mine, in order to clean muck below the drum, his hand-shovel got struck up in between the tail end drum and returning belt and he was pulled in by the force of it, striking his head on steel structure of the conveyor sustaining serious head injuries to which he succumbed two hours later in hospital.

Had

i) tail end drum of the conveyor been adequately fenced by suitable guards while the drum was in motion, adequate precautions been taken when the guard was removed for modification and been responsible for the duties assigned,

ii) it been seen that the provisions of the Act and of the Regulations and orders made thereunder relating to operation of machinery are properly carried out by Engineer and Competent Persons in the mine appointed for the purpose and,

iii) all possible steps been taken to ensure that the Engineer and Competent Persons in the mine carried out and enforced the provisions contained in the statute in a proper manner as required under the provisions of Regulation 174(2) read with Regulation 42, 53(d) and 44(4) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

Code : 0335 Dumpers
(5 Deaths)

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20. Date - 25/02/13 Mine - RAGHUNATH STONE QUARRY
Time - 10.00 Owner - M/S SUBRATO MONDAL & OTHERS
Dist. - Birbhum, State - West Bengal
Person(s) Killed :
1. Sudish Ray,Truck Khalasi, Male, 47 Years

While a khalasi was trying to ride on a moving tipping truck, loaded with basalt, he fell down and run over by the left rear wheel of the truck inflicting serious bodily injury and died in the hospital after about six hours.

Had

i) the truck been not started till the Khalasi ride to it, which is necessary for safety of the khalasi, as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961,

ii) personal safety been not endangered by riding to a moving truck, as required under the provisions of Regulation 181 of the Metaliferous Mine Regulations, 1961,

iii) Supervision been carried out to prevent the unsafe practice of riding of Khalasi to the moving truck, as required under the provisions of Regulation 181 of the Metaliferous Mine Regulations, 1961, read with Regulation 47 of the Metaliferous Mine Regulations, 1961,

this accident could have been averted.

21. Date - 24/04/13
Time - 4.20

Mine - RAMPURA AGUCHA GALENA & SPH MIN
Owner - HINDUSTAN ZINC LTD.
Dist. - Bhilwara, State - Rajasthan
Person(s) Killed :
1. Dinesh Prasad,Dumper Operator, Male, 27 Years

While a 60 te capacity loaded dumper was parked on a haul road to waste dump yard of an open cast mine, after its engine got over heated, another loaded dumper of same capacity crashed into it from behind smashing it's own cabin inflicting serious bleeding injuries to the operator to which he succumbed one hour later on way to the hospital.

Had

i) the dumper no. 81 not been allowed to operate in the mine without parking and emergency lights.

ii) the break down stationary dumper been fenced off and clear warning signs been put around it,

iii) the provisions of the Act and of Regulations and orders made there under relating to maintenance of dumpers were enforced in the district,

iv) it been seen that all work by Foreman under the charge was carried out in accordance with the provisions of the Act and of these regulations and orders made there under,

v) a system of checking road worthiness of dumpers before being deployed in the shift been maintained,

vi) it been seen that the provision of the Act and of Regulations and orders made thereunder relating to maintenance of dumpers are properly carried out by subordinate officials appointed for the purpose,

vii) it been seen that person under the charge carried out their respective duties properly,

viii) lighting on the haul road to waste dump yard including at the area where the accident occurred been provided,

ix) mining mate in the mine been appointed for thorough supervision of all operations including transportation of over burden to waste dump yard and

x) it been seen that all operations carried on in connection with the mine are conducted in accordance with the provisions of this act and of Regulations and orders made there under,

as required by the condition no 6, 7(c)(i), (d) and (I) of the permission under Reg. 106(2)(b) of the MMR,1961 granted vide this Directorate' letter no. AJ/DMS/Perm-106(2)(b).(Metal)/2008/6333 dated 31.10.08 and under the provisions of Regulations 46(7), 46(2)(b), 45(1),53(a) and (d), 146(1)(a), 39(1)(a), 116(1) and 44(4) of the Metalliferous Mines Regulations, 1961 read with section 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

22. Date - 16/05/13 Mine - PANDAPULI LIMESTONE MINE
Time - 99.99 Owner - SHRI S. A. MURALI
Dist. - Tirunelveli, State - Tamil Nadu
Person(s) Killed :
1. G.Duraimurugan, Driver, Male, 35 Years

While a person was reversing a tipper on a haul road in down gradient, he lost the control of the tipper and fell down into old waterlogged pit, inflicting serious injuries which proved fatal.

Had

i) the tractor-trolley operator un-authorisedly and negligently not driven the tipper, thus not done something likely to endanger his own life, as required under Regulation 181 of the Metalliferous Mines Regulations, 1961;

ii) not performed the work other than those for which he was appointed, without permission from superior official, as required by Regulation 42(c) of the Metalliferous Mines Regulations, 1961.

this accident could have been averted.

23. Date - 07/08/13 Mine - SRI VENKATESWARA C/CLAY MINE
Time - 15.30 Owner - M. SATYANARAYANA
Dist. - West Godavari, State - Andhra Pradesh
Person(s) Killed :
1. S.Maheshwar Rao, Tipper Driver, Male, 53 Years

While an empty tipper was being reversed on a clay bench of an opencast mine, it fell into the next lower bench from a height of 2.5m and its driver in the cabin received head injuries to which he succumbed almost instantly.

Had the vehicle been reversed carefully not negligently by endangering his own life & of the workperson therein, as required under Regulation 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

24. Date - 28/08/13 Mine - SAI JOTHI BLUE METAL STONE MINE(SF 36/2)
Time - 6.45 Owner - SMT. M.JOTHIPRAKASAM
Dist. - Kancheepuram, State - Tamil Nadu
Person(s) Killed :
1. S Rajaganesan, Mine Foreman, Male, 52 Years

While a tipper was being reversed on a haul road, a Mine Foreman passing across the haul road behind the tipper was hit and run over by the tipper, inflicting serious bodily injuries to which he succumbed instantly.

Had the tipper not been reversed, without having clear view of the area behind the vehicle and without giving audible warning signals, as required according to Condition No. 14.2.5 of the Appendix MMR-106 to the permission letter no. CR/Stone/Perm/2013/525 dated 22.02.2013 granted under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

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

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25. Date - 29/01/13
Time - 15.00

Mine - RAMGAD MN. & I/ORE MINE
Owner - SANDUR MANGANESE & IRON ORE LTD.
Dist. - Bellary, State - Karnataka
Person(s) Killed :
1. P.Shivanna,Driver, Male, 37 Years

While a driver was reversing a water tanker on a downhill road of about 3.5m width and a gradient 1 in 7 for a length of 10 mts, he drove the water tanker to the extreme left side of the road, and crossed over the berm. The water tanker slided and rolled down on the hillock slope for a distance of 55 meters and he sustained fatal injuries.

Had the water tanker was not driven in reverse direction on the downhill road thus proper observance and carrying out duties by the competent persons, as per the Mines Act, Regulations and orders made there under as required under Reg. 47(1)(b) and Reg. 46(2)(a) & (b) of the MMR, 1961, this accident could have been averted.

26. Date - 30/06/13
Time - 11.30

Mine - MASONARY STONE MINE ML 10/90
Owner - SHRI RAM RAKH JAT
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Madna Ram, Mazdoor, Male, 42 Years

While two mazdoors were manually loading blasted stones into a truck in an open cast mine the truck was suddenly reversed over running one of the mazdoors under its left rear wheel and killing him on the spot and injuring the other one who was buried under the loaded stones which fell over him as left gate of hopper of the truck opened at the same instant.

Had

(i) the driver of the truck, not negligently reversed the truck thus not endangered life in the mine and strictly adhered to the provisions of the Act and of the regulations and orders made thereunder and

(ii) an audio visual alarm automatically operating on reversal been provided on the truck and a duly qualified manager been appointed in the mine for management, control, supervision and direction thereof

as required under the provisions of Regulation 181 read with Regulation 41(1), Regulation 106 read with DGMS (Tech) Circular No. 12/1999 and Regulation 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Section 17 of the Mines Act, 1952, this accident could have been averted.

27. Date - 10/09/13
Time - 7.30

Mine - SIRUDHAMPUR STONE MINE (SF. NO.159)
Owner - SHRI C.G.GOVARDHAN
Dist. - Kancheepuram, State - Tamil Nadu
Person(s) Killed :
1. Arumugam, Driver Cum Driller, Male, 28 Years

While a tractor mounted compressor was being driven down the haul road in a stone quarry, it suddenly went out of control due to failure of front axle system and fell down to the lower bench. The driver was trapped under the body of tractor mounted compressor and received fatal injuries.

Had

i) an Engineer or Competent person been appointed for ensuring maintenance and safe working of the machinery before deployment in the mine as required under Regulation 39(1)(a)(iii) of the Metalliferous Mines Regulation, 1961.

ii) parapet wall/berm of proper designed and strength been provided on the haul road existing above the level of the surrounding area to prevent any machine from getting off the road as required under Regulation 106(2)(b) and DGMS (Tech) Circular No.36/1972 & 17/1977 of the Metalliferous Mines Regulation, 1961.

iii) proper direction and control been exercised to see that all operations carried out on in connection with the mine were conducted in accordance with the provisions of the Act, Regulations, Bye laws and Orders made thereunder as required under Section 18(4) of the Mines Act, 1952.

this accident could have been averted.

Code : 0400 Machinery Other than Transp. Machinery

Code : 0443 Loading Machines
(2 Deaths)

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28. Date - 11/11/13
Time - 8.30

Mine - MARAM VENKA REDDY GRANITE MINE
Owner - M/S MARAM VENKA REDDY GRANITES
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. Chandraban Khole, Driller, Male, 20 Years

While a work men was taking rest behind a block of granite measuring about 2.5m X 1.5m X 1.0m in a bench of an opencast mine, he got trapped under the block when it was suddenly pushed by an excavator and received serious injuries to which he succumbed while being transported out of the mine.

Had no person took rest behind the granite block, disobeying the instructions of Superior Officials while excavator was in operation at the place and also reasonable means been taken to ensure no persons are present in the vicinity of operation of the excavator as required under Reg. 41(a), 43(2) and 47(1)(b) read with Reg. 181 of the Metalliferous Mines Regulation 1961, this accident could have been averted.

29. Date - 26/12/13
Time - 11.30

Mine - VEERANAM BLACK GRANITE QUARRY
Owner - TAMIL NADU MINERALS LTD.
Dist. - Tirunelveli, State - Tamil Nadu
Person(s) Killed :
1. P. Murthy, Tipper Driver, Male, 40 Years

While an excavator operator was dragging the granite block measuring about 2.5m x 2.5m x 2.2m (height) with the bucket, the teeth of the bucket hit into abdomen of a tipper operator who was talking on his cellphone by leaning on other side of the block, inflicting serious bodily injury which turned fatal after 4 hours on the way to hospital.

Had

i) The excavator operator warned by giving audible warning before operating the machine when person was in close proximity as to endanger the life thus negligently omitted to do a thing necessary for safety of person employed thereat as required under Reg.181 of the Metalliferous Mines Regulations, 1961,

ii) The manager given notice in writing the deployment of heavy earth moving machineries(HEMM) such as excavator and framed safe code of practice for use of HEMM and implemented as required under Reg. 106(2)(b), Reg.181 of the Metalliferous Mines regulations, 1961

this accident could have been averted.

Code : 0447 Crushing & Screening Plants (1 Death)

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30. Date - 06/06/13
Time - 16.30

Mine - VLN ALUMINNOUS LATERITE MINE
Owner - M/S BELGAUM MINERALS
Dist. - Belgaum, State - Karnataka
Person(s) Killed :
1. Kallappa Kachu Bijagarnikar,Cas. Lb, Male, 52 Years

While a person was peeping to see the ore level in the ore bin of an ore handling plant, by resting his hand on the drive drum motor, the hand slipped and caught by the moving coupling causing serious injury. He succumbed to his injuries after four days treatment in the hospital.

Had the coupling of discharge drive drum been provided with suitable guard of substantial construction, so as to prevent the danger, as required under Reg. 174(1) of the Metalliferrous Mines Regulation, 1961, this accident could have been averted.

Code : 0448 Other Heavy Earth Moving Machinery (1 Death)

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31. Date - 22/01/13
Time - 15.30

Mine - THAKURANI IRON ORE MINE BLOCK NO. B
Owner - M/S SARDA MINES PVT. LTD.
Dist. - Keonjhar, State - Orissa
Person(s) Killed :
1. Madan Mohan Sahoo,Helper(Contract), Male, 23 Years

While a contractor helper standing on the side berm of a road was trying to stabilise hanging iron plates tied to a rope sling attached to a mobile crane for shifting, he slipped and was hit by the iron plates inflicting cut injury in thigh which proved fatal after about three hours.

Had

i) stabilising of hanging plates not been done without putting it on the ground as per safe procedure framed by the manager thus not negligently omitting the safety of the person employed therein as required under Regulation 181 of the Metalliferous Mines Regulations, 1961 and

ii) the shifting of iron plates been constantly supervised by a competent person as required under the Regulation 176(1) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

Code : 0500 Explosives

Code : 0555 Misfires/Sockets(While Drilling into) (3 Deaths)

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32. Date - 22/06/13
Time - 16.30

Mine - EERIYUR BLACK GRANITE MINE
Owner - SHRI M. RAMASAMY
Dist. - Villupuram, State - Tamil Nadu
Person(s) Killed :
1. Dora Patra, Driller, Male, 37 Years
2. ES Suba Reddy, Driller, Male, 50 Years

While a group of three drillers were drilling hole on the granite dimensional block for sizing, the drill rod encountered with misfire shot contained in the block, which got fired, inflicting serious injuries to all of them, of which two persons succumbed to their injuries.

Had

i) the granite block been carefully examined after shot firing to check for any misfire as required under Regulation 166(1) of the Metalliferous Mines Regulations, 1961,

ii) the granite block been thoroughly cleaned or washed down with water within a radius of two metres of the proposed drill hole and carefully examined for the presence of misfires or sockets, before commencement of drilling operation, as required under Regulation 168(1) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

33. Date - 29/10/13 Mine - RAMPURA AGUCHA GALENA & SPH MIN
Time - 9.30 Owner - HINDUSTAN ZINC LTD.
Dist. - Bhilwara, State - Rajasthan
Person(s) Killed :
1. Pawan Kumar,Helper, Male, 38 Years

While a jumbo drill machine was engaged for flushing out of debris in a newly drilled 3.8m long and 45mm dia hole in a development face of an underground mine, the drill ride of the machine missed the mark and holed into a 1.3m lon socket containing explosives, causing it to blast and fly rocks so generated hit two drills and a helper present at the face, inflicting serious bodily injuries to the helper to which he succumbed two hours later in a hospital and the two drillers escaped with minor injuries.

Had

i) it been seen that all loose rock was removed from the face and the area lying within a radius of two meters of the proposed shot hole thoroughly cleaned or washed with water and carefully examine for presence of misfires or sockets,

ii) the Mining Mate in the district enforced the provision of the Act and of the Regulations and orders made their under and secured safety of the persons employed therein,

iii) it be ensured that all work in the part of the mine assigned was carried out in accordance with the provision these regulation and orders made there-under and

iv) a code of practice been frame and particular duties to blasters, mining mate and foreman been assigned and it been ensured that all work in the mine was carried out in accordance with the provisions these regulations and orders made there-under

as required under the provisions of Regulations 168(1) read with and Regulations 47(1)(a), 116(3)(b), 46(2), 45(1) and Regulations 41(4) of the Metalliferous Mines Regulations, 1961 and DGMS (Tech) Circular No. 10 of 2001, this accident could have been averted.

Code : 0600 Electricity

Code : 0661 Overhead Lines
(1 Death)

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34. Date - 29/09/13 Mine - COASTAL SILICA MINE
Time - 14.10 Owner - S. V. RAMANA REDDY
Dist. - Nellore, State - Andhra Pradesh
Person(s) Killed :
1. K.Pramod Kumar, Lorry Driver, Male, 25 Years

While a loaded transport lorry was parked under an 11 KV village over head line passing through the workings of an opencast mine and the driver stood on the top of the driver's cabin to take tarpaulin sheet out, he accidently came in contact with the live conductors of the overhead line and received electrical shock and fell down and succumbed while being taken to the hospital.

Had he note parked his vehicle under the live overhead line and negligently stood on the top of the driver's cabin of the lorry thereby endangering his own life as required Reg. 181 of the Metalliferous Mines Regulation 1961, this accident could have been averted.

Code : 0669 Other Electrical Accidents (1 Death)

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35. Date - 14/07/13 Mine - MIDWEST GRANITE MINE
Time - 6.10 Owner - MIDWEST GRANITE PVT. LTD.
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. Lilu Goud,Wire Saw Helper, Male, 33 Years

While a helper touched the frame of motor-pump set feeding water to the Granite cutting operation, received electrical shock which turned fatal on way to Hospital.

Had the earth leakage protective device been provided in the controlling starter and effective earthing network maintained to ensure disconnection of supply and deeping all non-current carrying metal work at earth potential as required under Reg. 115(3) read with Reg. 42 and Reg. 41(xv) of Central Electricity Authority (Measures Relation to Safety and Electric Supply) Regulation, 2010, this accident could have been averted.

Code : 0700 Dust, Gas & Other Combustible Material

Code : 0774 Explosion/Ignition of Gas/Dust etc. (2 Deaths)

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36. Date - 08/03/13 Mine - AHMEDABAD DRILLING OIL MINE
Time - 18.05 Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Kheda, State - Gujarat
Person(s) Killed :
1. M.N.Chauhan,Exec. Engineer(P), Male, 48 Years

While an official (executive engineer) present in the vicinity of production testing oil tank was checking the flow of well fluid being reversed washed with water, in the process prelude to sub-due/killing of the completed drilled oil well, under production testing operations, suddenly, the hydrocarbon gases (trapped in the well) gushed out, formed gas cloud around the testing tank, got ignited due to unknown source and engulfed him in the flames inflicting serious bodily burn injuries which proved fatal after 4 days two other persons (Officials) while rescuing the person also received minor burn injuries.

"Misadventure"

37. Date - 11/06/13
Time - 16.00

Mine - PRODUCTION(OIL) MINE(DULIAJAN)
Owner - OIL INDIA LTD.
Dist. - Dibrugarh, State - Assam
Person(s) Killed :
1. Bijoy Phukan,Contract Employee, Male, 45 Years

While carrying out modification of a 12 inches size crude oil delivery line by cutting, welding & installing a 6" valve, using electric welding in a production oil mine, all of a sudden fire broke out near spilled out crude oil storage pit dug about 7.5m away from electric welding site, followed by flammable gas explosion, thus infliction burn injuries to two work persons who were standing nearby, to which one of them succumbed to his injuries 6 hour later in a hospital during treatment, another person escaped with minor burn injuries,

Had

i) an electric welding or naked light or open flame or spark not been permitted with 30m distance from spilled out crude oil storage pit, in contravention of provision of Reg. 67(3) of the Oil Mines Regulation 1984,

ii) the presence of hydrocarbon/flammable gases been thoroughly & continuously checked within the distance of 30m from all source of ignition i.e. electric welding site and the same area been maintained free from presence of flammable gas all the time before permitting electric welding in delivery line modification work, as required under Reg. 66 & 69(3) of the Oil Mines Regulation 1984,

iii) the standing order to prevent fire, SOP for planned hook up job for replacement of pipe section & hot work permit been implemented fully by way of covering the spillage oil pit suitably and avoiding formation of air-hydrocarbon explosive mixture i.e. hazardous condition, near electric welding work, as required by Reg. 66 of the oil Mines Regulation, 1984 read with SOP & hot work permit issued,

this accident could have been averted.

Code : 0779 Other Accidents due to Dust/Gas/Fire (2 Deaths)

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38. Date - 10/01/13 Mine - GELEKI PRODUCTION OIL MINE
Time - 16.45 Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Sibsagar, State - Assam
Person(s) Killed :
1. Deban Barik,General Mazdoor, Male, 22 Years
2. Rajesh Bawri,General Mazdoor, Male, 22 Years

While two Mazdoor were engaged for regular cleaning of heater treater No. 2 of a GGS, all on a sudden fire broke out from neighbouring heater treater No. 1, followed by gas explosion thus engulfing both the mazdoor, with fatal injuries instantaneously on the spot.

Had

i) the fuel gas line to gas burner and servo assembly of heater treater been checked thoroughly for gas leakage and maintained in safe condition against the damage due to some reasons, thus negligently not omitted to maintain gas fuel line leakage free as required by the provisions of Reg. 76 of the Oil Mines Reg. 1984 also r/w Reg. 98 of the Oil Mines Reg., 1984 and

ii) the standing order to prevent fire, SOP for heater treater & cold work permit been implemented fully by way of avoiding formation of air hydrocarbon explosive mixture i.e. hazardous condition, in the heater treater area, as required by Reg. 66 of the Oil Mines Regulations, 1984 r/w SOP & Cold Work permit issued,

this accident could have been averted.

Code : 0800 Falls (Other than Fall of Ground)

Code : 0881 Fall of Person from Height/into Depth (10 Deaths)

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39. Date - 04/04/13 Mine - BAGMORA STONE MINE
Time - 16.30 Owner - TARA STONE WORKS
Dist. - Pakur, State - Jharkhand
Person(s) Killed :
1. Ujir Sheikh,Miner, Male, 45 Years

While a miner with the assistance of another miner was dressing loose sides at the top of a stone bench in an opencast mine by wearing safety belt reportedly tied with the manila rope and anchored with a rod driven in a cracked stone which suddenly came off dis-balancing the miner who fell down to the bed of opencast mine receiving serious bodily injuries to which he succumbed after about 7 (seven) hours while under treatment at a hospital. The other miner however, could escape with serious bodily injuries.

Had

i) the loose dressing operation been carried out in a manner to ensure observance of the requirements of the Act and of these regulation by person under his charge as required under Reg. 47(1)(b) and Reg. 46(2)(a) & (b) of the Metalliferous Mines Regulations, 1961

ii) The steel rod to which the safety belt/rope was tied been anchored properly thereby not negligently or wilfully endangered safety of the persons employed at the mine as required under Regulation 181 of Metalliferous Mines Regulations, 1961

iii) The height and width of the stone bench been made as required under Regulation 106(2)(b) of Metalliferous Mines Regulations, 1961 read with permission vide letter No. S3/636 dated 13.03.2013,

this accident could have been averted.

40. Date - 30/04/13
Time - 13.30

Mine - UTI GOLD MINE
Owner - HUTTI GOLD MINES CO. LTD.
Dist. - Raichur, State - Karnataka
Person(s) Killed :
1. Umappa,General Mineworker, Male, 32 Years

While two general workmen were repairing a leaking drill water pipe of 50mm dia. by standing on a scaffold upper deck of a rectangular sinking service shaft of 3.2m x 2.2m size at 7th level(220 meters from surface), suddenly water gushed out from leaking flange joint and hit on the face of one workman, who lost balance and fell on the shaft bottom through scaffold opening to a depth of 22 meters and sustained fatal injuries.

Had

(i) the Opening for the passage of the bucket of the scaffold was so protected as to effectively prevent anything/ person falling through it as required under the provisions of Reg.87(9) of the MMR,1961.

(ii) workmen were not permitted to work on the scaffold where they were likely to slipor over balance without securing by safety belts as required under the provisions of Reg. 114(2) of the MMR,1961

(iii) seen that a sufficient supply of proper materials and appliances including safety belts made for the purpose of carrying out the provisions of the Act, Regulations and Orders made there under and for ensuring safety of persons employed therein as required under the provisions of Reg. 44(3) (a) of the MMR, 1961.

(iv) all work was carried out in accordance with the provisions of the Act, Regulations and Orders made there under and for ensuring safety of persons employed therein as required under the provisions of Reg. 45(1) of the MMR, 1961.

(v) seen that subordinate officials and competent persons carried their respective duties in a proper manner at the sinking service shaft as required under the provisions of Reg. 46(2)(a) of the MMR, 1961 AND

(vi) ensured that the proper observation of the requirements of the Act, Regulations and Orders made there under by persons working in the sinking service shaft as required under the provisions of Reg. 47 (1) (b) of the MMR,1961.

this accident could have been averted.

41. Date - 01/05/13 Mine - NIMBAHERA LIMESTONE MINE
Time - 10.30 Owner - J. K. CEMENT WORKS
Dist. - Chittorgarh, State - Rajasthan
Person(s) Killed :
1. Shambhu S Ranawat, Operator, Male, 57 Years

While a maintenance crew comprising of three persons was returning to work-shop after attending maintenance of a drill machine in the mine, by riding on a maintenance trolley attached to a tractor, suddenly one person fell down on the ground from trolley through a height of about 1m receiving serious bodily injuries to which he succumbed after two hours while under treatment at a hospital.

Had the persons not been permitted to ride the trolley attached to a tractor, from where he was likely to slip or overbalance as required under the provisions of Regulation 190 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

42. Date - 20/06/13 Mine - JUNIARNA MARBLE MINE
Time - 11.30 Owner - SMT. SHANTA DEVI SHARMA
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Prabhu Singh, Wire Saw Operator, Male, 38 Years

While two persons were engaged for operating wire saw machine in the quarry, suddenly wire saw segment broke and hit the supply cable of wire saw machine, causing jerk/tension in the cable which hit & pushed one of them, resulting into his fall from a height of about 6m inflicting serious bodily injuries to which he succumbed after four hours while under treatment at a hospital.

Had

i) the person not been allowed to work and stand near the edge of marble bench, from where he was likely to slip or overbalance unless he was secured by a safety belt or life line or otherwise safe guarded, as required under the provisions of Regulation 114(2) of the Metalliferous Mines Regulations, 1961,

ii) the mine not been worked without appointing a duly qualified manager as required under the provisions of Section 17(1) of the Mines Act, 1952 read with Regulation 34(1) of the Metalliferous Mines Regulations, 1961,

iii) a mine foreman been appointed to hold the charge of the mine as required under the provisions of Section 18(4) of the Mines Act, 1952 read with Regulation 37(1) of the Metalliferous Mines Regulations, 1961, and

iv) every place in the mine, where work was carried on or work person were stationed or required to pass was placed under the charge of mining mate as required under the provisions of Section 18(4) of the Mines Act, 1952 read with Regulation 116(1) Metalliferous Mines Regulations, 1961,

this accident could have been averted.

43. Date - 26/06/13 Mine - CHANDANA DOLOMITE MINE
Time - 9.00 Owner - M/S LAKSHMINARAYANA GOUD
Dist. - Anantpur, State - Andhra Pradesh
Person(s) Killed :
1. G.Adinarayana, General Workman, Male, 45 Years

While a General Workman was attempting to dislodge a loose boulder measuring 0.6m X 0.5m X 0.4m from top of a bench in an opencast mine, he slipped and fell down to lower bench 18m below and sustained serious bodily injuries to which he succumbed on the way to hospital.

Had the general workman not been deployed at the edge of the bench form which he would be likely to fall without securing a safety belt, the working face was placed under the charge of a mining mate and a duly qualified manager was appointed for the overall management, control, supervision and direction of the mine as required under the provisions of Reg. 114(2), 116(1) and Reg. 34(1)(a) of the Metalliferous Mines Regulations, 1961, read with Sec. 17(1) of the Mines Act, 1952, this accident could have been averted.

44. Date - 17/08/13 Mine - HABRAPAHARI STONE MINE
Time - 15.30 Owner - DESHBADHU BLACK STONE CO-OP SOCIETY LTD.
Dist. - Birbhum, State - West Bengal
Person(s) Killed :
1. M.Mandal, Off.Attd.Cum.Water.carr., Male, 53 Years

While a person was walking on the berm provided on a haul road in an opencast stone mine, he slipped and fell down to a depth of 7.25m, sustaining serious bodily injuries which proved fatal after about two and half hours in a Hospital.

Had the person been warned to avoid walking on the berm of the haul road from where there was chance of fall to a depth, thus not negligently omitted the safety of person employed in the mine as required under the provision of Regulation 181 read with Regulation 47(1)(b) of the Metalliferous Mine Regulation, 1961, the accident could have been averted.

45. Date - 26/08/13 Mine - VASAVI GRANITES
Time - 11.30 Owner - M/S VASAVI GRANITE
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. K Venkateswarlu, Wire Saw Helper, Male, 22 Years

While a workman crossed the fencing in order to reach the work place in an opencast mine, he slipped and fell down on the steps and his head hit against the waste boulder lying in the vicinity to which he succumbed while being treated at the hospital few days later.

Had he not crossed the fences wilfully and not hurriedly ran down the steps which was not regular travelling roadway and not negligently omitted his own safety as required under Reg. 41(4)(a)&(b) read with Reg. 181 of the Metalliferous Mines Regulation 1961, this accident could have been averted.

46. Date - 19/09/13 Mine - BILLI MARKUNDI STONE MINE (A.S.4476 B)
Time - 13.00 Owner - M/S ABDUL SATTAR & RUPA SINGH

Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :
1. Ram Dulare, Labour, Male, 25 Years

While, four mine workers at the edge of a ledge made on a high wall bench of 21.8m high, suddenly one worker slipped & fell down on blasted stone stacked at quarry bed from a height of 9.7m and received serious bodily injuries, to which he succumbed while on way to the hospital.

Had

i) sides of the opencast workings been kept benched, sloped and secured whilst working the mine so as to prevent danger form fall of sides, as required by the provisions of Regulation 106(1) & Regulation 106(3) of the Metalliferous Mines Regulations, 1961,

ii) persons been stopped to worked at any place/ledge from where, there was chances of fall from a height more than 1.8m, unless they were protected/secured by safety belt/ full body harness of approved type, suitably fixed to prevent them from falling, as required by the provisions of Regulations 118(4) of the Metalliferous Mines Regulations, 1961, read with DGMS Circular No. Tech. 3 of 2006 & DGMS Tech Circular (Approval) No.06 dated 27.12.2010,

iii) a duly qualified manager been appointed to carry out all the mining activities at the mine in accordance with the provisions of Regulations, Rules and orders made there-under, as required by the provisions of Section 17(1) of the Mines Act, 1952, read with Regulation 34(1) of the Metalliferous Mines Regulations, 1961, and,

iv) the working area been placed under the charge of a duly qualified mining mate, as required under Regulation 116 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

47. Date - 09/11/13
Time - 11.30

Mine - BOLANI IRON ORE MINE
Owner - RAW MATERIAL DIVISION (SAIL)
Dist. - Keonjhar, State - Orissa
Person(s) Killed :
1. Suresh Munda, Contractor Worker, Male, 28 Years
2. Md. Minajuddin, Contractor Worker, Male, 41 Years

While a crew of 3 persons seated in counterweight box of reclaimer were adding counter weight with the help of a 40 ton crane, suddenly the pylon structure of reclaimer failed and all 3 persons fell along with counterweight box from a height of 12 mtrs. 2 persons were thrown away from counterweight box where as the third one remain seated on it. In the process all three serious bodily injury to which the first two succumbed to their injury while being treated at hospital, the third person is still under treatment.

Had

i) reclaimer structure been tested for its stability and rigidity before trial run from a competent agency and been made of suitable material of adequate strength by the engineer, contractor and manufacturer as required under provision of Regulation 172 of Metalliferous Mines Regulations 1961, and

ii) suitably elevated platform been provided for addition of counter weight in counter weight box, by the engineer and contractor for doing things necessary for the safety of the persons employed as required under provision of Regulation 181 of Metalliferous Mines Regulations 1961.

the accident could have been averted.

Code : 0883 Fall of Objects incl. Rolling Objects (9 Deaths)

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48. Date - 25/01/13 Mine - TRIPURA SUNDRI MARBLE MINE
Time - 8.15 Owner - Shri Kalyan Prasad Gupta
Dist. - Banswara, State - Rajasthan
Person(s) Killed :
1. Laxman Meena,Worker, Male, 24 Years

While one worker stepped over the edge of marble bench and another worker was working at the toe of the bench, an already detached marble block measuring about 3m(W) X 1.7m (B)X 4.5m (H) gave way along the plane of weakness. As a result, one worker standing over it fell from a height of about 6.1m receiving serious bodily injuries and another worker working at the toe of the bench, was partly buried under fallen marble block and succumbed to his injuries instantly.

Had

i) sides of the marble bench been made and kept secured before commencement of work therein as required under provisions of Section 18(4) of the Mines Act, 1952 read with Regulation 106(3) of the Metalliferous Mines Regulations, 1961,

ii) mine not been worked without appointing a duly qualified manager as required under the provisions of Section 17(1) of the Mines Act, 1952 read with Regulation 34(1) of the Metalliferous Mines Regulations, 1961,

iii) mine foreman been appointed to hold the charge of the mine as required under the provisions of Section 18(4) of the Mines Act, 1952 read with Regulation 37(1) of the Metalliferous Mines Regulations, 1961 and

iv) every place in the mine, where work was carried on or work person were stationed or required to pass was placed under the charge of mining mate as required under the provisions of Section 18(4) of the Mines Act, 1952 read with Regulation 116(1) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

49. Date - 17/04/13 Mine - VINAYAK GUPTA GRANITE MINE
Time - 8.30 Owner - M/S VINAYAK GUPTA

Dist. - Guntur, State - Andhra Pradesh
Person(s) Killed :
1. S K Mohiddin, Cutter, Male, 35 Years

While a cutter was standing near the bottom of the bench of an opencast mine, a piece of stone weighting about 2kg rolled down from the top edge of the bench from a height of about 8 meters and fell vertically over his head causing injuries to which he succumbed while being treated at the hospital.

Had the top edge of the granite bench been dressed and the loose removed so as to prevent the danger of the fall of loose stone and the bottom of the high benches having loose boulders on the top been kept fenced and also work in the mine been ensured under supervision of statutory officials for safe mining operations in the mine as required under Reg. 106(4), Reg. 115(4), Reg. 44(1), Reg. 37 & Reg. 116 of the MMR, 1961 read with section 17(1) of the Mines Act 1952, this accident could have been averted.

50. Date - 30/04/13
Time - 9.20
Mine - MORWAD MARBLE MINE
Owner -
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :
1. Roop Singh, Gen. Mazdoor, Male, 31 Years

While one general mazdoor was direction the water jet on the wire saw string standing over a marble block being cut into smaller pieces, the cut got completed and a part of the marble block settled down to a depth of 0.14cm and hit and almost cut irregular pyramid sloped marble block measuring 2.6m(L) X 1.8m (w) X1.8m (B) from the same block and this marble block got toppled. As a result, he also got imbalanced and fell down on the ground from a height of about 1.8m and was partly buried underneath the toppled marble block and succumbed to his injuries instantly.

Had the irregular pyramid shaped marble block been thoroughly examined and adequately supported from underneath before commencement of work therein as required under provisions of Regulation 116(3)(b) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

51. Date - 27/05/13
Time - 18.30
Mine - ASHARFIYA MINERALS MARBLA MINE
Owner - M/S ASHARFIYA MINERALS
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Raghu Nath Ram, Mazdoor, Male, 45 Years

While an empty "U" tub was being pushed and pulled manually and by the boom of a diesel crane at the top of a 75m deep marble quarry the tub flung towards the quarry edge and hit upon a mazdoor from behind who was standing at the edge felling him down to the quarry bottom resulting in serious bodily injuries to which he succumbed on the spot.

Had

i) the mazdoor been warned before pushing and pulling the empty "U" tub manually and by the boom of the diesel crane to swing it towards the quarry edge thus not negligently endangering his life,

ii)the provisions of the Act and of the Regulations and Orders made there under been adhered to and

iii) a duly qualified Manager in the mine been appointed for management, Control, Supervision and Direction thereof as required under the provisions of Regulations 181 read with Regulation 41(1) and

34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) and 18(1) &(4) of the Mines Act, 1952,

this accident could have been averted.

52. Date - 20/06/13
Time - 11.30

Mine - SST(WORK OVER SERVICES)MEHSANA
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Mehasana, State - Gujarat
Person(s) Killed :
1. M.K.Chaudhary,Rigman, Male, 24 Years

While a rig crew (four rig man) during sucker rod string breaking (de-couple at bottom) operation on rig floor of work over oil mine, was rotating the topmost sucker rod (round shaped) by placing a pipe wrench spanner & lever (a pipe piece) at about 1.5m height, completed a few rounds of rotations by pushing and pulling action by two persons each, suddenly, one of pulling persons stumbled, lost grip on the lever, resulting in slippage & falling off lever from the wrench spanner handle, under the developed torque and backward rotation of spanner in its position, and hit two pushing rigmen, inflicting serious bodily injuries to one (on temple and back of head) to which he succumbed instantaneously while other rigman escaped with minor injuries and the other two pulling persons escaped unhurt.

Had the rig crew personnel not used a large diameter pipe piece as lever on pipe wrench spanner during the sucker rod breaking operation at the work over rig, thus, negligently not omitted to endanger their own & co-workers' safety as required under regulation 98 of the Oil Mines Regulations, 1984, this accident could have been averted.

53. Date - 13/08/13
Time - 10.45

Mine - PAHADKUAN RANGE MARBLE MINE (QL-236)
Owner - SMT. KANTA DEVI BANSAL
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Madho Ram, Mazdoor, Male, 48 Years

While three Mazdoors were engaged at the bottom of a 30m high bench in an open cast mine for fluching of holes by jack hammer machine, soil with stones parted from top of the bench fell on to its bottom and one of the stones weighing about 1.0 kg rebounded and hit on the head of one of the worker on opposite side at about 8m inflicting serious bodily injuries to which he succumbed about one hour later on way to a hospital.

Had

i) loose soil and stones not been allowed to remain at the edge of 30m high bench in the mine,

ii) helmet been provided to persons employed in the mine,

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

iv) the mine not been worked in violation of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter no. AJ/DGMS/22(3)/2007/1732 Ajmer dated 19/03.2007,

as required under the provision of Regulations 106(4), 182(1) & (4) and 22(3) of the Mines Act, 1952, this accident could have been averted.

54. Date - 10/12/13
Time - 20.30

Mine - KOTHARA MARBLE MINE
Owner - M/S WONDER MARBLE LLP
Dist. - Banswara, State - Rajasthan
Person(s) Killed :
1. Raju Meena, Worker, Male, 20 Years

While two workers were working at the toe of 5.5 m. high side of a bench in an opencast marble mine, all off a sudden a piece of marble measuring about 3.7m (Length) X 3.2m (Width) X 1.6m (Thickness) fell from a height of about 2.1m inflicting fatal injury to one and another escaped unhurt.

Had the sides been kept adequately secured so as to prevent danger from fall of sides, before engaging the persons at the toe of the bench as required under Regulation 106(3) of Metalliferous Mines Regulation, 1961, this accident could have been averted.

55. Date - 22/12/13
Time - 14.30

Mine - ULLORI RANGE MARBLE MINE
Owner - M/S MANZOUR ALI MD ALI BHATI SAGIR LIYAQAT
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Rameswar Lal, Mazdoor, Male, 42 Years
2. Ram Niwas, Mazdoor, Male, 32 Years

While a freshly cut out marble block of the size of about 1.5m X 1m X 0.6m was being pushed by inflating an air bag inserted in the line of cut the block broke into two pieces along a plane of weakness felling off two mazdoors standing on it and hitting the third standing close by in an opencast mine resulting in serious bodily injuries to which the two succumbed on way to a hospital and the third escaped with fracture in his toe.

Had

i) the mazdoors been warned to not to stand on top and close by of the cut out marble block while it was being pushed apart by inflating an air bag with compressed air thus not negligently endangered their life,

ii) a competent person been appointed to secure thorough supervision of all operations in the mine and,

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

as required under the provisions of Regulations 181, 39(1)(a) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) and 18(1) & (4) of the Mines Act, 1952, this accident could have been averted.

Code : 0900 Other Causes

Code : 0992 Flying Pieces(Except due to Explosives)
(2 Deaths)

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56. Date - 14/02/13 Mine - JUJAWAL MARBLE MINE
Time - 8.15 Owner - SRI YOGESH KUMAR PALIWAL
Dist. - Katni, State - Madhya Pradesh
Person(s) Killed :
1. Hiralal Sondiya,Helper, Male, 48 Years

While a helper was placing the end of a hose pipe standing on a block of marble of about 1.22m in height, a piece of marble of 0.61m X 0.38m X 0.13m separated from a height of 1.9m from a block of marble being cut adjacent to the block on which he helper was standing and fell on it. On impact, it disintegrated into two pieces, and a piece measuring 0.23m X 0.13m X 0.10m flew at high speed and hit the helper that proved fatal in about an hour.

Had every part of the mine in which persons have to work been inspected by a Mining Mate or other competent person and the condition ascertained so far as the safety of person is concerned as required under Regulation 116(3)(b) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

57. Date - 03/03/13 Mine - GUNAWATI RANGE MARBLE MINE (Q/L NO.146)
Time - 16.00 Owner - SHRI MOHAMMAD HANIF AND OTHERS
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Kalu Ram, Mazdoor, Male, 38 Years

While one mazdoor, deployed on a less than 2m wide and 20m high ledge in an opencast marble mine, was hammering thick end of an iron wedge from bottom to remove a jammed 32 mm dia drill rod the wedge gave in and broke off and one of the flying pieces of the broken wedge pierced in to his chest inflicting serious bodily injuries to him to which he succumbed on way to a hospital.

Had

i) proper tools in the mine been provided to recover jammed drill rod from the hole necessary for the safety of persons employed therein,

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

iii) the mine not been worked in violation of the prohibitory order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter no. AJ/DGMS/22(3)/NAGOR/2003/2056 dated 19/09/2003 as required under the provisions of Regulations 181 and 34(1)(a) of the Metalliferous Mines Regulaions,1961 read with Sections 17(1), 18(1), & (4) and 22(3) of the Mines Act, 1952,

this accident could have been averted.

Code : 0993 Drowning in Water
(1 Death)

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58. Date - 19/07/13 Mine - LAKHERI LIMESTONE MINE
Time - 16.00 Owner - ASSOCIATED CEMENT COMPANIES LTD.
Dist. - Bundi, State - Rajasthan

Person(s) Killed :

1. Sharif, Tipper Operator, Male, 22 Years

While an operator of a break down tipper entered in 2.4m deep waterlogged abandoned pit of an open cast lime stone mine to bath, he drowned in the water and his body was recovered by divers after about 04 hours.

Had the Tipper Operator not passed danger signals and gone to part of the mine other than his working place and wilfully not entered a 2.4m deep water logged pit to bath thereby not endangered his own life, as required under the provisions of Regulation 41(4)(a) & (b) and 181 of the Metalliferous Mines Regulations, 1961, 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 1901-2013

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
1	02/02/01	A.Subha Naidy & Co. Mica	9	0	Fall of Roof
2	11/04/02	Redhill Ruby	5	4	Fall of Roof
3	26/09/04	Hannumanoya/41B Mica	7	0	Fall of Sides
4	29/12/06	Salayakhad Mica	4	2	Fall of Sides
5	24/01/07	Chirki Mica	5	0	Fall of Sides
6	10/02/08	Murwara Limestone	7	2	Fall of Sides
7	06/12/10	Shivrajpur Manganese	12	0	Fall of Sides
8	26/04/11	Charki Mica	4	0	Fall of Sides
9	04/06/12	Make 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
98	23/07/13	Granite Buid Stone Quarry SY 376/3-2	4	1	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 1901-2013

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 avaible.	
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,2013)

SL. NO.	MINERAL / STATE	BELOW GROUND			OPENCAST				ABOVE GROUND			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super-visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
1.	APATITE & ROCK PHOSPHATE											
	MADHYA PRADESH	--	--	--	7461	1554	1440	--	6023	6030	--	2003
	RAJASTHAN	--	--	--	2160	1670	--	--	13518	1815	--	3691
	ALL INDIA	--	--	--	4432	1615	1440	--	12019	3348	--	2928
2.	ASBESTOS											
	ANDHRA PRADESH	2100	1277	--	2333	1237	606	--	1197	1226	--	1306
	ALL INDIA	2100	1277	--	2333	1237	606	--	1197	1226	--	1306
3.	BARYTES											
	ANDHRA PRADESH	--	--	--	10221	2766	7436	--	7664	3716	1172	3639
	ALL INDIA	--	--	--	10221	2766	7436	--	7664	3716	1172	3639
4.	BAUXITE											
	CHHATTISHGARH	--	--	--	9301	2027	2968	--	5071	6418	--	2447
	GUJARAT	--	--	--	5637	1267	3568	--	3809	1565	--	2122
	JHARKHAND	--	--	--	5143	1652	2588	--	4655	3938	2501	2340
	KARNATAKA	--	--	--	4428	2423	2334	--	4302	2365	--	3124
	MADHYA PRADESH	--	--	--	2994	1251	3035	--	2143	1527	--	1448
	MAHARASHTRA	--	--	--	4276	3127	2791	--	2703	1570	911	3010
	ORISSA	--	--	--	18636	2935	26326	--	50482	34727	--	25207
	TAMIL NADU	--	--	--	6835	3527	--	--	2160	2820	--	3302
	ALL INDIA	--	--	--	7151	1887	6783	--	12404	11946	2236	4040
5.	CALCITE											
	RAJASTHAN	--	--	--	--	--	1235	--	1535	1242	--	1266
	ALL INDIA	--	--	--	--	--	1235	--	1535	1242	--	1266
6.	CHINA CLAY,CLAY,WHITE-CLAY											
	ANDHRA PRADESH	--	--	--	1174	1199	832	--	--	--	--	1042
	GUJARAT	--	--	--	5075	2861	5250	1782	2163	1253	1111	2145
	JHARKHAND	--	--	--	2229	1575	--	--	1519	1035	--	1289
	KARNATAKA	--	--	--	6673	2625	3755	--	4289	3269	3079	3521
	KERALA	--	--	--	8060	2824	2603	--	3054	2180	2083	2769
	RAJASTHAN	--	--	--	3385	1714	2051	1155	1772	966	1188	2088
	TAMIL NADU	--	--	--	--	1260	--	--	--	--	--	1260
	WEST BENGAL	--	--	--	911	930	--	--	898	774	--	836
	ALL INDIA	--	--	--	3664	2137	1825	1704	1615	1547	2015	2016
7.	CHROMITE											
	KARNATAKA	--	--	--	3477	9186	1214	846	4722	19537	843	4812
	ORISSA	4921	1758	4589	6694	3363	2248	--	4273	3961	7463	3779
	ALL INDIA	4921	1758	4589	5640	3800	2109	846	4321	4022	5056	3831
8.	COPPER											
	JHARKHAND	4188	2375	2077	2992	--	1941	--	2245	--	--	2406
	RAJASTHAN	11823	9012	8424	--	--	--	--	11141	8143	9842	8791
	ALL INDIA	7460	3964	5320	2992	--	1941	--	5263	8143	9842	5039
9.	DIAMOND											
	MADHYA PRADESH	--	--	--	13398	10018	9588	--	12746	6201	--	7721
	ALL INDIA	--	--	--	13398	10018	9588	--	12746	6201	--	7721

STATEMENT NO. 5.1(Cont..)

SL. NO.	MINERAL / STATE	BELOWGROUND			OPENCAST				ABOVEGROUND			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super-visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
10.	DOLOMITE											
	ANDHRA PRADESH	--	--	--	4697	4067	4312	--	8540	13518	12500	6879
	CHHATTISHGARH	--	--	1846	2427	1483	8548	--	1558	422	--	4920
	KARNATAKA	--	--	--	4982	2951	4062	--	5043	4330	--	3535
	MADHYA PRADESH	--	--	--	1370	204	445	--	--	242	--	406
	MAHARASHTRA	--	--	--	5232	1411	1718	--	2750	2385	--	2403
	ORISSA	--	--	--	7679	1079	7831	--	8774	1581	--	2056
	UTTAR PRADESH	--	--	--	12469	3393	--	--	3150	--	--	6975
	ALL INDIA	--	--	1846	4532	1967	5606	--	5919	6606	12500	4565
11.	FELSPAR											
	ANDHRA PRADESH	--	--	--	1814	639	--	--	1575	--	394	720
	KARNATAKA	--	--	--	1645	1251	311	327	5983	--	--	1069
	ALL INDIA	--	--	--	1666	1119	311	327	3779	--	394	999
12.	FIRE-CLAY											
	ORISSA	--	--	--	5838	2306	17309	--	3635	2167	--	2903
	RAJASTHAN	--	--	--	2138	1642	1242	--	1273	945	--	1557
	TAMIL NADU	--	--	--	3725	4628	--	--	--	--	--	4350
	ALL INDIA	--	--	--	4715	2320	9276	--	3529	2141	--	2838
13.	FLUORITE											
	GUJARAT	--	--	--	28859	--	32382	--	22610	16990	--	30702
	ALL INDIA	--	--	--	28859	--	32382	--	22610	16990	--	30702
14.	GALENA & SPHALARITE											
	RAJASTHAN	30618	7875	8683	5207	3900	3302	--	11958	8511	12262	9522
	ALL INDIA	30618	7875	8683	5207	3900	3302	--	11958	8511	12262	9522
15.	GARNET											
	ANDHRA PRADESH	--	--	--	2400	1380	1380	1200	11400	1200	1200	3854
	ALL INDIA	--	--	--	2400	1380	1380	1200	11400	1200	1200	3854
16.	GRANITE											
	ANDHRA PRADESH	--	--	3334	3944	2509	2151	2995	2510	2471	1410	2496
	KARNATAKA	--	--	--	3154	1996	2515	--	5040	2156	--	2312
	KERALA	--	--	--	4816	2795	2615	--	3253	2397	--	2964
	TAMIL NADU	--	--	--	6252	2440	2619	3330	3862	2744	1840	2767
	UTTAR PRADESH	--	--	--	--	--	1926	--	1916	1921	--	1923
	ALL INDIA	--	--	3334	4145	2347	2245	3096	3217	2403	1554	2492
17.	GRAPHITE											
	JHARKHAND	--	--	--	1247	--	1575	--	--	--	--	1356
	ORISSA	--	--	--	--	--	--	--	--	939	--	939
	TAMIL NADU	--	--	--	16498	3877	1464	2740	11407	--	--	4397
	ALL INDIA	--	--	--	12141	3877	1471	2740	11407	939	--	4095
18.	GYPSUM											
	JAMMU & KASHMIR	--	--	--	9100	735	--	--	2975	6353	--	2993
	RAJASTHAN	--	--	--	11091	2592	9315	--	9606	3165	6000	6440
	ALL INDIA	--	--	--	10915	1973	9315	--	8869	3873	6000	5738
19.	IRON											
	IRON	--	--	--	--	1196	28750	--	--	--	--	10381
	ANDHRA PRADESH	--	--	--	2257	1295	1953	--	1981	--	3707	1810
	CHHATTISHGARH	--	--	--	7866	7363	6630	6300	7289	3977	6319	5461
	GOA	--	--	--	8634	5465	7218	13826	14796	10161	6812	8256
	JHARKHAND	--	--	--	7171	2953	6249	1521	12782	17663	--	11239

STATEMENT NO. 5.1(Cont..)

SL. NO.	MINERAL / STATE	BELOWGROUND			OPENCAST				ABOVEGROUND				OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super-visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
	KARNATAKA	--	--	--	11017	4935	4418	--	6069	5412	1118	5293	
	MADHYA PRADESH	--	--	--	5265	1681	--	--	2162	1373	--		1977
	MAHARASHTRA	--	--	--	4148	2801	4938	--	3021	4098	--		3224
	ORISSA	--	--	--	4903	1784	2764	--	3431	3178	--		2681
	RAJASTHAN	--	--	--	4946	2642	6984	--	8000	2319	--		3379
	ALL INDIA	--	--	--	7281	2847	4259	3229	6028	7088	4999		5050
20.	KYANITE												
	JHARKHAND	--	--	--	2876	--	--	--	--	--	--		2876
	MAHARASHTRA	--	--	--	--	--	--	--	--	--	--		--
	ALL INDIA	--	--	--	2876	--	--	--	--	--	--		2876
21.	LATERITE												
	ANDHRA PRADESH	--	--	--	5815	1851	3059	--	--	--	--		2601
	ALL INDIA	--	--	--	5815	1851	3059	--	--	--	--		2601
22.	LIMESTONE												
	ANDHRA PRADESH	--	--	--	5691	2970	5244	3279	4216	4598	11376		4006
	ASSAM	--	--	--	3517	2319	1232	--	5041	6778	--		3456
	BIHAR	--	--	--	3315	3088	3312	--	3315	3938	1834		3220
	CHHATTISHGARH	--	--	--	6059	4041	6404	--	8767	3806	--		5352
	GUJARAT	--	--	--	6340	4164	3822	--	7993	6190	3978		4549
	HIMACHAL PRADESH	--	--	--	6818	7176	10283	--	5791	5512	750		7238
	HARYANA	--	--	--	1500	1368	--	--	--	--	--		1374
	JHARKHAND	--	--	--	11525	5326	2156	--	6642	7935	1753		5427
	KARNATAKA	--	--	--	4823	3316	6129	2555	8259	6131	2363		4697
	MEGHALAYA	--	--	--	16314	9922	3775	--	18863	3726	1627		8258
	MADHYA PRADESH	--	--	--	7392	3751	4818	2235	9223	5895	--		4978
	MAHARASHTRA	--	--	--	7690	3399	8191	--	10846	6609	--		5724
	ORISSA	--	--	--	6482	4253	6083	--	3132	2842	1500		4224
	RAJASTHAN	--	--	--	4200	1816	3864	--	4045	7453	3331		2653
	TAMIL NADU	12344	--	--	6702	3315	5203	--	4907	3780	--		4312
	UTTARANCHAL	--	--	--	--	--	--	--	5992	3003	--		4234
	UTTAR PRADESH	--	--	--	5529	2760	11586	--	4309	--	--		4531
	ALL INDIA	12344	--	--	6090	2991	4902	2999	6631	5690	3103		4134
23.	MAGNESITE												
	JHARKHAND	--	--	--	6250	--	2375	--	4234	3503	--		3717
	KARNATAKA	--	--	--	14548	8811	10120	11472	9974	4937	--		9451
	TAMIL NADU	--	--	--	2662	2526	2946	--	2679	1504	--		2494
	UTTARANCHAL	--	--	--	3482	2588	3232	--	3615	3637	--		3151
	ALL INDIA	--	--	--	5947	4202	4336	11472	5470	2721	--		4266
24.	MANGANESE												
	ANDHRA PRADESH	3045	250	1008	2989	2597	1897	1645	2205	1254	1386		2213
	GOA	--	--	--	5315	--	12976	--	14466	1897	--		4865
	GUJARAT	--	--	--	--	--	--	--	--	--	--		--
	JHARKHAND	--	--	--	3413	--	1405	--	1575	--	--		1716
	KARNATAKA	--	--	--	3800	1232	2625	--	5496	1584	847		2169
	MADHYA PRADESH	7050	2618	9077	4565	1196	1409	--	4759	2989	1190		3201
	MAHARASHTRA	31124	28833	9100	21624	21723	21152	--	12163	7210	75457		15652
	ORISSA	--	--	--	9563	2384	1652	--	7480	882	38		1431
	ALL INDIA	3449	13004	8804	8860	8286	2488	1645	6824	2421	2688		4847

STATEMENT NO. 5.1(Cont..)

SL. NO.	MINERAL / STATE	BELOWGROUND			OPENCAST				ABOVEGROUND			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super-visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
25.	MARBLE											
	GUJARAT	--	--	--	3199	2068	1242	--	3216	1730	--	2061
	MADHYA PRADESH	--	--	--	1057	1052	--	--	1052	--	--	1053
	RAJASTHAN	--	--	--	2494	1814	1969	--	1891	1838	--	1887
	ALL INDIA	--	--	--	2252	1831	1934	--	2049	1802	--	1892
26.	MICA											
	ANDHRA PRADESH	2028	1584	1214	1778	1352	1331	--	1135	1853	1638	1546
	BIHAR	--	--	--	1454	983	--	--	1235	727	--	1045
	JHARKHAND	--	--	--	1728	--	1098	--	1323	1631	--	1442
	ALL INDIA	2028	1584	1214	1684	1212	1215	--	1167	1734	1638	1490
27.	OCHRE											
	ANDHRA PRADESH	--	--	--	1449	1260	--	--	--	--	--	1270
	ALL INDIA	--	--	--	1449	1260	--	--	--	--	--	1270
28.	QUARTZ											
	ANDHRA PRADESH	--	--	--	2572	2548	2625	--	1706	8847	--	2758
	BIHAR	--	--	--	1000	1950	1500	--	1000	--	--	1732
	JHARKHAND	--	--	--	1260	1921	1129	--	1155	1755	--	1778
	ORISSA	--	--	--	5189	1350	1875	--	3342	1468	--	1491
	TAMIL NADU	--	--	--	7209	3731	4873	--	4635	--	--	4017
	ALL INDIA	--	--	--	4532	2153	2423	--	2453	2059	--	2249
29.	SALT											
	HIMACHAL PRADESH	--	--	--	--	--	--	--	--	995	--	995
	ALL INDIA	--	--	--	--	--	--	--	--	995	--	995
30.	SANDSTONE											
	JHARKHAND	--	--	--	1909	1313	--	--	--	--	--	1398
	RAJASTHAN	--	--	--	2250	1839	1838	1155	2940	3150	--	1925
	ALL INDIA	--	--	--	2174	1815	1838	1155	2940	3150	--	1902
31.	SILICA											
	ANDHRA PRADESH	--	--	--	1666	--	1197	--	--	--	--	1225
	KARNATAKA	--	--	--	840	1350	--	--	--	--	--	1260
	MAHARASHTRA	--	--	--	1564	832	1153	--	1318	971	--	1047
	RAJASTHAN	--	--	--	3189	1252	1539	--	1239	1355	1242	1395
	TAMIL NADU	--	--	--	8321	788	--	--	5374	3283	--	1629
	ALL INDIA	--	--	--	3464	914	1416	--	1443	1372	1242	1338
32.	SILLIMANITE											
	ANDHRA PRADESH	--	--	--	2940	1260	1260	--	6615	1260	1260	2614
	KERALA	--	--	--	11252	82548	7720	--	13506	91125	7010	71164
	TAMIL NADU	--	--	--	7813	2831	--	--	19627	12234	--	5098
	ALL INDIA	--	--	--	5622	17357	1583	--	11960	35702	3227	20721
33.	STEATITE											
	ANDHRA PRADESH	--	--	--	1664	1123	1631	--	--	--	--	1296
	BIHAR	--	--	--	1334	1433	1080	--	981	--	--	1213
	MADHYA PRADESH	--	--	--	3429	900	1105	--	3115	870	870	1197
	RAJASTHAN	--	--	--	4458	1486	2574	--	2330	1715	1189	2171
	UTTARANCHAL	--	--	--	2154	1448	1261	--	1945	1260	150	1447
	UTTAR PRADESH	--	--	--	5308	--	900	--	2294	900	900	1019
	ALL INDIA	--	--	--	4071	1443	2269	--	2218	1532	927	1883

STATEMENT NO. 5.1(Cont..)

SL. NO.	MINERAL / STATE	BELOWGROUND			OPENCAST				ABOVEGROUND			OVERALL
		Foremen & Mining Mates	Face Workers & Loaders	Others	Foremen & Mining Mates	Miners & Loaders	Others		Clerical & Super-visory staff	Others		
							Men	Women		Men	Women	
1	2	3	4	5	6	7	8	9	10	11	12	13
34.	STONE											
	ANDHRA PRADESH	--	--	--	692	398	391	--	396	--	--	415
	BIHAR	--	--	--	3546	1956	--	1563	6682	5899	--	2915
	GOA	--	--	--	4562	1285	2527	--	2089	2013	2086	1996
	JHARKHAND	--	--	--	1755	1620	1617	--	1713	1509	1172	1629
	MAHARASHTRA	--	--	--	1050	900	--	--	1050	--	--	939
	RAJASTHAN	--	--	--	2767	3407	1106	--	--	2610	--	3206
	TAMIL NADU	--	--	--	--	--	--	--	--	--	--	--
	WEST BENGAL	--	--	--	1493	1078	1122	--	1374	1117	--	1179
	ALL INDIA	--	--	--	1874	1571	1177	1563	1581	1746	1883	1561
35.	VERMICULITE											
	TAMIL NADU	--	--	--	10672	--	1242	--	4534	1792	--	1953
	ALL INDIA	--	--	--	10672	--	1242	--	4534	1792	--	1953
36.	WOLLASTONITE											
	RAJASTHAN	--	--	--	3572	3806	2656	--	3068	2230	1202	3207
	ALL INDIA	--	--	--	3572	3806	2656	--	3068	2230	1202	3207
37.	DUNITE											
	KARNATAKA	--	--	--	4644	480	--	--	--	--	--	801
	ALL INDIA	--	--	--	4644	480	--	--	--	--	--	801
ALL INDIA (NON-COAL)		8739	7598	7679	6063	3387	3941	2409	6515	6271	3053	4847

STATEMENT NO. 5.2

Trend in Index of Labour Earnings in Non-coal Mine (Base Year : 1975 = 100)

MINERAL / STATE	2006	2007	2008	2009	2010	2011	2012	2013
1	2	3	4	5	6	7	8	9
BAUXITE								
BIHAR	--	--	--	--	--	--	--	--
CHHATTISHGARH	1573.17	1637.46	1888.55	1987.59	2444.42	2793.57	3956.46	5237.74
GUJARAT	1474.92	1482.58	1575.11	2166.05	2539.25	2694.59	3558.91	3711.44
JHARKHAND	3000.06	3819.00	4179.22	4524.15	4673.91	4663.23	5639.69	5941.80
MADHYA PRADESH	1498.79	1498.79	1467.11	1825.46	1883.73	2298.06	2717.89	2798.36
ALL INDIA	1902.27	2132.36	2303.85	2610.43	2855.80	3107.08	3955.48	4469.24
CHINA CLAY,CLAY,WHITE-CLAY								
BIHAR	--	--	--	--	--	--	--	--
GUJARAT	2936.66	2895.09	2991.17	3018.24	3018.24	1145.02	3412.20	7614.56
JHARKHAND	2809.57	2669.81	2716.65	3097.43	3097.43	3498.30	4109.81	5521.91
ALL INDIA	2850.87	2743.03	2805.87	3071.69	3071.69	2733.48	3883.09	6202.02
CHROMITE								
ORISSA	2078.23	2272.56	2300.13	2478.98	2458.10	3839.54	5274.99	5964.98
ALL INDIA	2078.23	2272.56	2300.13	2478.98	2458.10	3839.54	5274.99	5964.98
COPPER								
BIHAR	--	--	--	--	--	--	--	--
JHARKHAND	--	--	--	--	--	1305.01	--	1705.97
RAJASTHAN	2152.21	2322.13	2832.65	4121.27	4121.27	4184.12	5739.47	6141.30
ALL INDIA	2152.21	2322.13	2832.65	4121.27	4121.27	2238.71	5739.47	3144.35
DOLOMITE								
CHHATTISHGARH	--	1575.33	1575.33	5642.83	5642.83	5642.83	3799.58	3585.92
GUJARAT	--	--	--	--	--	--	--	--
MADHYA PRADESH	1489.20	1419.40	1426.69	1430.00	1430.00	1928.95	2314.34	439.66
ORISSA	620.97	1290.57	1750.41	2216.35	2216.35	2032.79	1943.42	1830.96
ALL INDIA	1219.68	1459.37	1546.83	3293.88	3293.88	3463.80	2852.37	1979.38
FIRE-CLAY								
BIHAR	--	--	--	--	--	--	--	--
JHARKHAND	--	--	--	--	--	--	--	--
MADHYA PRADESH	--	--	--	--	--	--	--	--
ORISSA	1115.89	971.48	869.97	881.16	881.16	1471.41	4087.99	8712.06
ALL INDIA	1115.89	971.48	869.97	881.16	881.16	1471.41	4087.99	8712.06
GALENA & SPHALARITE								
RAJASTHAN	1626.31	2269.26	2497.11	3924.88	3924.88	4193.85	5318.85	6587.15
ALL INDIA	1626.31	2269.26	2497.11	3924.88	3924.88	4193.85	5318.85	6587.15
GYPSUM								
RAJASTHAN	1479.73	2241.12	3261.73	3977.83	3977.83	4430.38	5125.91	8354.28
TAMIL NADU	--	--	--	--	--	--	--	--
ALL INDIA	1479.73	978.70	1424.40	1737.12	1737.12	4430.38	5125.91	8354.28
IRON								
BIHAR	--	--	--	--	--	--	--	--
CHHATTISHGARH	--	3674.26	4735.94	7055.98	13170.90	8615.40	11206.80	11223.00
GOA	2000.25	1996.99	2861.85	2976.27	4150.50	4141.85	5539.02	10278.70
JHARKHAND	1924.88	3571.46	3485.90	3377.39	3951.57	4267.57	5690.38	10465.90
KARNATAKA	2383.96	2551.42	2556.10	3701.65	5633.78	5956.00	7112.22	11274.30
MADHYA PRADESH	--	--	684.88	1441.79	1441.79	1441.79	2572.21	2457.66
ORISSA	1801.98	1857.24	2408.25	2924.51	3435.23	3945.11	3846.93	3945.35
ALL INDIA	1987.55	2819.53	2736.33	3717.81	5716.94	4745.74	6068.21	7487.47
LIMESTONE								
BIHAR	1784.53	1853.30	1925.82	1925.82	2777.68	2953.70	3351.38	4482.72
CHHATTISHGARH	2223.56	2304.19	2671.62	3654.57	4668.70	4898.41	6488.91	6093.53
JHARKHAND	1717.18	1763.88	2308.84	2913.92	1901.42	2066.37	2885.97	7082.19
MADHYA PRADESH	1578.33	1923.85	2470.90	3035.73	3731.96	4179.85	4951.23	6237.65
ORISSA	--	139.45	1107.60	1336.59	1565.89	1745.23	2580.12	4092.63
RAJASTHAN	1642.05	1426.82	1707.24	1974.69	2259.82	2687.78	3336.76	4981.66
TAMIL NADU	1454.35	1424.91	1559.00	1466.83	1491.41	1693.92	2486.51	3077.51
ALL INDIA	1763.09	1534.04	1990.57	2397.50	2739.53	3000.85	3864.81	5262.48
MAGNESITE								
TAMIL NADU	2563.45	2563.45	3646.95	3845.34	3271.89	2516.89	2905.56	3089.49
ALL INDIA	2563.45	2563.45	3646.95	3845.34	3271.89	2516.89	2905.56	3089.49
MANGANESE								
KARNATAKA	1665.40	1697.63	2258.31	2135.49	2513.31	2740.02	3394.71	4217.23
MADHYA PRADESH	1576.72	2949.16	2404.68	4705.25	2675.18	2881.28	3960.18	5589.64
MAHARASHTRA	2646.31	3811.62	4680.50	9686.50	10640.20	12037.00	20408.30	51068.40
ORISSA	1867.08	1876.24	1904.58	2675.24	2898.83	3369.25	3776.22	4613.61
ALL INDIA	1867.38	2518.78	2649.33	4446.52	4132.49	4627.68	6744.42	13212.70

STATEMENT NO. 5.2(Cont..)

MINERAL / STATE	2006	2007	2008	2009	2010	2011	2012	2013
1	2	3	4	5	6	7	8	9
MICA								
ANDHRA PRADESH	1726.07	1776.53	2101.17	2950.28	3476.93	3681.23	4417.90	5962.92
BIHAR	--	--	--	1424.38	1426.98	1569.97	1885.57	484.29
JHARKHAND	1226.16	1226.16	1196.81	1143.00	1634.45	1634.45	1962.26	786.75
RAJASTHAN	--	--	--	--	--	--	--	--
ALL INDIA	1374.43	1389.40	1465.04	1573.88	1869.59	1964.21	2358.17	1563.13
STEATITE								
RAJASTHAN	1937.68	1942.00	2102.03	2517.22	2805.25	3031.12	3636.87	4746.50
ALL INDIA	1937.68	1942.00	2102.03	2517.22	2805.25	3031.12	3636.87	4746.50
STONE								
BIHAR	--	--	1585.99	5886.80	5886.80	7155.15	8586.33	9751.33
GUJARAT	--	--	--	--	--	--	--	--
JHARKHAND	1714.21	2041.67	2032.69	2667.88	2520.03	2493.34	3010.74	6046.50
MAHARASHTRA	1139.58	1177.29	1199.92	1295.60	1295.60	1395.73	1670.01	1381.75
ALL INDIA	1564.94	1817.14	1718.37	3832.27	3769.38	4312.48	5182.29	6926.12
ALL INDIA (METALLIFEROUS)	1848.27	2151.50	2327.76	3158.30	3757.66	3607.71	4806.86	6717.88

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