STATISTICS OF MINES IN INDIA

VOLUME – II (NON-COAL)

खान सुरक्षा महानिदेशालय

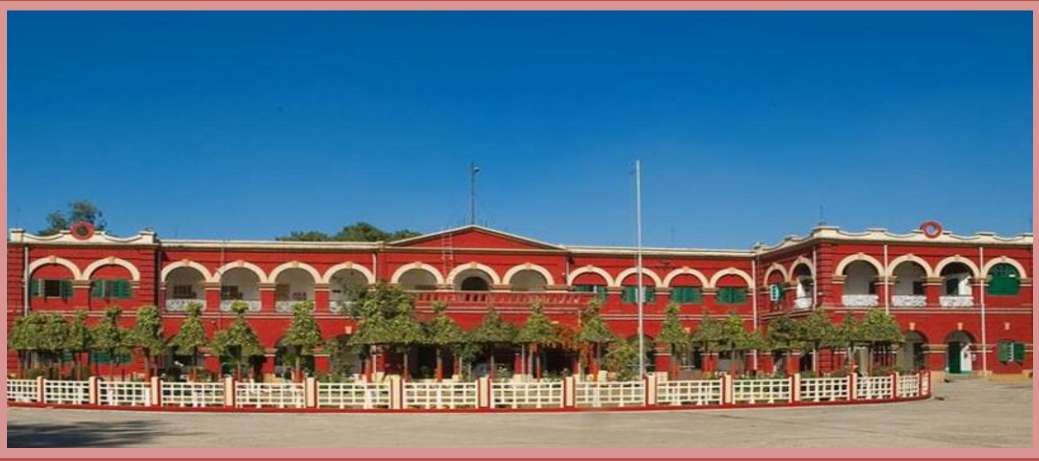
Directorate General of Mines Safety

श्रम एवं रोजगार मंत्रालय

Ministry of Labour & Employment

भारत सरकार

Government of India



2015

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DIRECTORATE GENERAL OF MINES SAFETY

MINISTRY OF LABOUR &EMPLOYMENT

GOVERNMENT OF INDIA

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 2015 are in respect of metalliferous and oil mines only and are based on returns received under 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 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 DGMS in respect of each and every fatal accident that occurred in metal and oil mines during the year, 2015. An updated list of 4 or more deaths and a list of Court of Inquiries 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.

Any suggestion for improvement of the publication is most welcome.

December, 2017
Dhanbad

(P.K. Sarkar)
Director General of Mines Safety

DIRECTORATE GENERAL OF MINES SAFETY

Shri P.K.Sarkar
Director General

Shri B. P. Singh
Deputy Director General

OFFICERS AND STAFF OF STATISTICS DIVISION ASSOCIATED WITH THE PUBLICATION

Shri A.K. Tripathy, Deputy Director General (Statistics)

Shri R.K. Tiwary , Director of Mines Safety(Statistics)

Shri Manish Anand, Dy. Director of Mines Safety (Statistics)

Shri Manish Kumar, Asstt. Director of Mines Safety (Statistics)

Senior Statistical Officers

Shri A.Bodra, Shri M.S. Dutta , Shri S.N.P. Karan & Smt. J. Guria

Data Processing Assistant

Shri Sadashiv Prasad, Shri Mohd. Saqib

Jr. Statistical Officer

Shri R.Punit Kumar, Shri Tausif Hasan, Shri Sharwan Khalkho, Shri Anil Kr. Gupta

Shri B.K. Verma , Shri Ajay Kumar, Shri S.K. Lohani &

Smt. Pravita Dhama

Dealing Assistants

Shri T.K. Mandal & Shri Moti Lal Yadav

Other Official

Shri B.D Ghansi

INTRODUCTION

Statistics presented in this publication relate to mines coming under the purview of the Mines Act, 1952. Annual returns are submitted in form III under the Metalliferous Mines Regulations 1961 and 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.

The data are mainly compiled on the basis of the yearly information submitted by these mines in the form of Annual Return. This is supplemented by the accident notices submitted by the management of the mines and the reports of enquiry conducted by the Directorate General of Mines Safety (DGMS). The Directorate General of Mines Safety (DGMS) investigates into the causes and circumstances leading to each and every fatal accident occurred in these mines.

The statistics of non-coal mines are presented mainly in the following sections:

- 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, 2015.

SECTION - I

Employment figures presented in the section cover all persons employed in mines as defined in the 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 2015, annual returns have been processed for 2500 returns of non-coal mines.

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.

Statement No. 1.1 indicates the trend in employment, output and value of some selected metalliferous mines.

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 statewise details of number of mines, average daily employment, output and value of minerals for metalliferous mines.

Statement No.1.4 gives the details of number of mines, average daily employment and output in oil mines.

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.

However, there are some limitations faced by the system regarding the statistics of production and employment received in the form of the annual returns. The annual return containing data related to non-coal were submitted in hard copy till the year 2015 to respective Regional and Zonal offices of DGMS who in turn forwarded the same to Headquarter, DGMS. There has been a practice over the years that the returns are submitted very late and many mines or companies are not submitting the annual returns. The data is taken as reported in the annual return. Under the circumstances, the information of production and employment are not the estimates but are representing the trends of the same as reported to Directorate General of Mines Safety (DGMS).

Content

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

2. Statements where the word "trend" is not mentioned in the heading relate to the year 2014 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 Telangana was not formed during 2013.

2. Statements where the word "trend" is not mentioned in the heading relate to the year 2014 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
	2014	108		5,554	1,083	6637	18,485	8,344
	2015	120	01	6,623	1,142	7,766	18,609	10,604
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
	2014	6	2,411	218	1,061	3,690	3,348	3,755
	2015	6	1,734	166	632	2,532	3,848	4,115
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

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	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
	2013	13	2,348	--	2,142	4,490	7,867	20,471
	2014	13	2,614	890	2,241	5,745	12,750	14,313
	2015	15	3,465	--	1,626	5,091	12,070	18,759
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
	2014	6	1,725	78	1,884	3,687	731,364	3,685
	2015	7	1,733	203	1,648	3,588	184,69	3,507
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	3,608	19,747
	2014	266		10,077	2,722	12,799	4,470	29,499
	2015	300	31	10,841	2,684	13,556	6,398	35,136
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

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

Mineral	Year	No. of mines submitting returns	Average daily employment				Output (in '000 tonnes)	Value of output (in million Rs.)
			Below ground	Opencast workings	Above ground	Total		
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
	2002	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
	2014	367		26,638	23,874	50,512	224,930	254,359
	2015	372	-	28,425	23,637	52,062	225,067	237,888
Limestone	1961	175	5	47,076	7,585	54,666	14,346*	67
	1971	261	2	44,295	8,944	53,241	25,260	227
	1981	262	--	41,032	8,738	49,770	32,555	733
	1991	340	--	34,293	9,229	43,522	75,024	3,872
	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
	2014	567	1	25,647	7,824	33,472	4,78,926	86,143
	2015	574	-	2,9025	8,532	37,557	7,56,118	192,632
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

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	139	2,651	8,572	6,221	17,444	7,338	18,021
	2014	139	2,820	8,414	7,608	18,842	6,591	15,166
	2015	152	5,124	9,765	7,721	22,610	7,297	16,439
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
	2014	33	268	147	164	579	3,215	53
	2015	31	278	125	146	549	5,166	63
	1961	113	--	4,208	4,316	8,524	1,679	10
	1971	163	--	5,463	3,318	8,781	3,808	31
	1981	174	--	4,493	3,207	7,700	4,105	81
	1991	228	--	8,273	2,970	11,243	11,635	490
	2000	206	--	4,236	2,171	6,407	15,620	970
	2001	209	--	4,208	2,082	6,290	15,151	1,031
	2002	209	--	4,837	2,964	7,801	14,863	1,066
	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
	2014	191	--	5,278	2,214	7,492	44,209	3,763
Stone	2015	273	50	6,058	2,268	8,376	84,815	6,887
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

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)
	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
	2014	2,254	11,181	106,849	65,011	183,041		462,475
	2015	2,398	13,548	116,204	64,633	194,385	--	629,814
Oil	1981	8	--	--	14,548	14,548	7,920	2,748
	1991	24	--	--	35,513	35,513	9,508	15,062
							3,543(GS)	3,471
	2000	45	--	--	23,442	23,442	14,244	76,939
							7,821(GS)	16,015
	2001	43	--	--	24,481	24,481	14,564	85,176
							8,203(GS)	21,571
	2002	42	--	--	22,348	22,348	14,562	101,896
							8,024 (GS)	21,430
	2003	49	--	--	18,592	18,592	18,503	111,504
							8,494(GS)	20,393
	2004	47	--	--	19,155	19,155	16,641	148,418
							6,456(GS)	17,665
	2005	50	--	--	19,288	19,288	16,947	209,428
							6,557(GS)	21,159
	2006	44	--	--	13,932	13,932	21,125	356,215
							4,548(GS)	14,442
	2007	49	--	--	19,211	19,211	14,307	233,350
							7,612(GS)	23,594
	2008	67	--	--	23,574	23,574	14,703	258,856
							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
	2014	92			24,815	24,815	22,886	544,443
							13,888(GS)	80,594
	2015	112	--	--	28,471	28,471	20,667	473,290
							13,837(GS)	85,028
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

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)
	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
	2014	2,346	11,181	106,849	89,826	207,856		108,7512
	2015	2,500	13,548	116,204	93,104	222,856	--	118,8132

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 2015 : STATE-DISTRICT WISE

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
1. APATITE & ROCK PHOSPHATE															
	ANDHRA PRADESH														
	Vishakapatnam	1	1	1	27	--	12	39	32	7	--	--	--	3765	7831
	MADHYA PRADESH														
	Jhabua	1	--	--	--	96	7	103	62	41	--	--	--	Nil	Nil
	Sagar	1	1	--	--	48	4	52	50	2	--	--	--	71887	56399
	Tikamgarh	1	1	--	--	39	3	42	26	16	--	--	--	11004	21556
	TOTAL : MADHYA PRADESH	3	2	--	--	183	14	197	138	59	--	--	--	82891	77955
	RAJASTHAN														
	Udaipur	4	3	--	--	560	322	882	867	15	--	72	5	113832	150698
														160509 (PR)	128407
														160509 (PR)	128407
	UTTARANCHAL														
	Dehradun	3	3	2	67	--	229	296	296	--	--	--	--	Nil	Nil
	WEST BENGAL														
	Purulia	1	--	--	--	2	72	74	72	2	--	--	--	Nil	Nil
TOTAL : APATITE & ROCK PHOSPHA		12	9	3	94	745	649	1488	1405	83	--	72	5	200488	236484
														160509 (PR)	128407
2. BARYTES															
	ANDHRA PRADESH														
	Cuddapah	3	2	1	9	388	387	784	639	145	--	70	278	1387	499
														2198211 (LM)	8100722
														12295 (PR)	11642
	Nellore	1	1	--	--	5	13	18	10	8	--	--	--	Nil	Nil
	TOTAL : ANDHRA PRADESH	4	3	1	9	393	400	802	649	153	--	70	278	1387	499
														2198211 (LM)	8100722
														12295 (PR)	11642
	HIMACHAL PRADESH														
	Sirmaur	1	1	1	16	--	--	16	16	--	--	--	--	588	882
	RAJASTHAN														
	Udaipur	1	1	--	--	11	6	17	17	--	--	--	--	5820	2619
	TELANGANA														
	Khammam	1	1	--	--	29	3	32	32	--	--	--	--	5325	2130
TOTAL : BARYTES		7	6	2	25	433	409	867	714	153	--	70	278	13120	6129
														2198211 (LM)	8100722
														12295 (PR)	11642

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
3. BAUXITE															
	CHHATTISGARH														
	Raigarh	1	--	--	--	1	--	1	1	--	--	--	--	16866 (PR)	2234
	Surguja	10	8	--	--	1297	96	1393	1377	16	--	1171	2	1357398	1110822
	Kabirdham	3	1	--	--	572	29	601	601	--	--	162	--	1053489	684016
														113515 (PR)	13668
	TOTAL : CHHATTISGARH	14	9	--	--	1870	125	1995	1979	16	--	1333	2	2410887	1794837
														130381 (PR)	15902
	GUJARAT														
	Jamnagar	6	2	--	--	204	14	218	194	24	--	51	9	790242	171880
														169617 (PR)	52101
	Kutch	15	9	--	--	176	9	185	145	40	--	138	2	317982	299146
	Porbandar	2	--	--	--	12	--	12	12	--	--	--	--	37377	18401
	Wrong Code.	3	--	--	--	50	2	52	52	--	--	--	--	430242	211817
	TOTAL : GUJARAT	26	11	--	--	442	25	467	403	64	--	189	11	1575843	701244
														169617 (PR)	52101
	JHARKHAND														
	Gumla	19	12	--	--	1325	124	1449	1447	2	--	685	29	1647806	813956
	Lohardaga	8	5	1	1	707	104	812	811	1	--	404	2	944353	401462
	LATEHAR	6	4	--	--	625	113	738	737	1	--	551	6	633566	378223
	TOTAL : JHARKHAND	33	21	1	1	2657	341	2999	2995	4	--	1640	37	3225725	1593640
	KARNATAKA														
	Belgaum	1	1	--	--	21	9	30	30	--	--	--	--	57550 (PR)	25898
	Udipi	1	--	--	--	2	1	3	3	--	--	--	--	Nil	Nil
	TOTAL : KARNATAKA	2	1	--	--	23	10	33	33	--	--	--	--	Nil	Nil
														57550 (PR)	25898
	MADHYA PRADESH														
	Balaghat	1	--	--	--	2	--	2	2	--	--	--	--	44035	16932
	Chhatarpur	1	--	--	--	27	2	29	19	10	--	--	--	1929	77
	Jabalpur	2	--	--	--	148	12	160	106	54	--	--	--	132678	82825
	Rewa	3	--	--	--	57	--	57	57	--	--	--	--	94305	32893
	Satna	3	--	--	--	39	5	44	38	6	--	--	--	52750	7818
	Shahdol	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	Katni	2	--	--	--	73	4	77	53	24	--	--	--	14835	632
	Anuppur	2	1	--	--	162	20	182	182	--	--	--	--	165090	79723
	TOTAL : MADHYA PRADESH	15	1	--	--	508	45	553	459	94	--	--	--	505622	220901
	MAHARASHTRA														
	Kolhapur	9	7	--	--	313	43	356	320	36	--	96	19	2305746	433993
														320028 (PR)	59205
	Ratnagiri	2	2	--	--	52	9	61	61	--	--	--	--	286210	1646471
	Raigad	9	4	--	--	97	7	104	104	--	--	37	--	253525	261722
														63242 (PR)	12870
	TOTAL : MAHARASHTRA	20	13	--	--	462	59	521	485	36	--	133	19	2845481	2342186
														383270 (PR)	72075

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
	ORISSA														
	Koraput	2	1	--	--	352	475	827	826	1	--	144	335	6008964	3294028
	Sundergarh	2	1	--	--	23	30	53	39	14	--	20	24	Nil	Nil
	Rayagada	1	1	--	--	46	1	47	47	--	--	--	--	1064314	425855
	TOTAL : ORISSA	5	3	--	--	421	506	927	912	15	--	164	359	7073278	3719883
	TAMIL NADU														
	Salem	2	--	--	--	21	12	33	33	--	--	--	--	211443	55071
	UTTAR PRADESH														
	Jhansi	1	--	--	--	19	1	20	13	7	--	--	--	100	4
	Lalitpur	3	1	--	--	200	18	218	176	42	--	--	--	3564	6464
														16597 (PR)	4171
	TOTAL : UTTAR PRADESH	4	1	--	--	219	19	238	189	49	--	--	--	3664	6468
														16597 (PR)	4171
	TOTAL : BAUXITE	121	60	1	1	6623	1142	7766	7488	278	--	3459	428	17851943	10434229
														757415 (PR)	170146
4.	CALCITE														
	RAJASTHAN														
	Sikar	1	1	--	--	297	98	395	323	72	--	31	--	93695	58317
	Sirohi	1	1	--	--	37	24	61	46	15	--	--	--	95857	78239
	TOTAL : RAJASTHAN	2	2	--	--	334	122	456	369	87	--	31	--	189552	136556
	TOTAL : CALCITE	2	2	--	--	334	122	456	369	87	--	31	--	189552	136556
5.	CHINA CLAY,CLAY,WHITE-CLAY														
	ANDHRA PRADESH														
	Anantpur	1	--	--	--	21	--	21	21	--	--	--	--	17920	717
	Cuddapah	3	--	--	--	101	1	102	70	32	--	--	--	75570	8376
	East Godavari	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	Krishna	Employment with Limestone												12100	3105
	West Godavari	2	1	--	--	27	2	29	29	--	--	--	--	7707	1966
														36910 (PR)	34
	TOTAL : ANDHRA PRADESH	7	1	--	--	149	5	154	122	32	--	--	--	113297	14163
														36910 (PR)	34
	GUJARAT														
	Amreli	2	1	--	--	10	1	11	11	--	--	--	1	3660	582
	Banas Kantha	2	--	--	--	36	--	36	36	--	--	--	--	72121	7212
	Junagadh	Employment with Limestone												127060	38597
	Kutch	16	1	--	--	247	6	253	253	--	--	65	--	184303	24302
	Mehasana	4	2	--	--	4	28	32	30	2	--	--	--	4099	1623
														7370 (PR)	4159

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
	Sabar Kantha	2	2	--	--	1	28	29	29	--	--	--	--	121689	58393
														5534 (PR)	9131
	Patan	5	--	--	--	90	--	90	90	--	--	--	--	82320	9435
TOTAL : GUJARAT		31	6	--	--	388	63	451	449	2	--	65	1	595252	140143
														12904 (PR)	13290
	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	3	3	--	--	43	77	120	87	33	--	--	--	42122	16063
														9045 (PR)	3967
TOTAL : JHARKHAND		6	6	--	--	141	407	548	433	115	--	--	--	117287	23806
														61821 (PR)	13883
	KARNATAKA														
	Hassan	1	--	--	--	14	27	41	36	5	--	--	--	18110	12644
	Shimoga	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	Tumkur	1	--	--	--	15	2	17	13	4	--	--	--	25860 (PR)	7229
TOTAL : KARNATAKA		3	--	--	--	31	29	60	51	9	--	--	--	18110	12644
														25860 (PR)	7229
	KERALA														
	Kannur	5	3	--	--	64	174	238	111	127	--	--	--	32586	22291
	Trivundrum	3	3	--	--	49	25	74	64	10	--	30	--	395523	46459
	Kollam	1	1	--	--	1	87	88	88	--	--	1	--	6001	818
	Kasaragod	1	1	--	--	17	34	51	22	29	--	--	--	5897	804
TOTAL : KERALA		10	8	--	--	131	320	451	285	166	--	31	--	440007	70372
	MADHYA PRADESH														
	Jabalpur	Employment with Limestone and Iron												1330	490
	ORISSA														
	Mayurbhanj	1	1	--	--	43	16	59	27	32	--	--	--	7341 (PR)	2872
	RAJASTHAN														
	Bhilwara	1	--	--	--	10	5	15	15	--	--	--	--	33285	14932
	Bikaner	17	5	--	--	222	60	282	275	7	--	--	1	757108	360434
	Jaipur	2	1	--	--	24	10	34	32	2	--	--	--	53100	17878
	Nagaur	1	1	--	--	--	1	1	1	--	--	--	--	Nil	Nil
TOTAL : RAJASTHAN		21	7	--	--	256	76	332	323	9	--	--	1	843493	393244
	WEST BENGAL														
	Birbhum	7	4	--	--	172	152	324	310	14	--	--	--	51972	20532
														18215 (PR)	1730
														18215 (PR)	1730
TOTAL : CHINA CLAY,CLAY,WHITE-		88	33	--	--	1361	1084	2445	2066	379	--	107	9	2267340	680054
														163051 (PR)	39038

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	54	127	247	207	40	--	--	--	4704	15053
	ORISSA														
	Dhenkanal	2	2	--	--	1	157	158	158	--	--	--	72	Nil	Nil
	Keonjhar	5	4	2	386	108	526	1020	764	256	2	2	11	101967	192765
	Jajpur	18	17	1	154	3944	5439	9537	9237	300	126	1322	2623	1700669	8450330
														246471 (FN)	289742
														115911 (LM)	620516
														825625 (PR)	3638935
	TOTAL : ORISSA	25	23	3	540	4053	6122	10715	10159	556	128	1324	2706	1802636	8643095
														246471 (FN)	289742
														115911 (LM)	620516
														825625 (PR)	3638935
TOTAL : CHROMITE		29	25	4	606	4107	6249	10962	10366	596	128	1324	2706	1807340	8658148
														246471 (FN)	289742
														115911 (LM)	620516
														825625 (PR)	3638935
7. COPPER															
	JHARKHAND														
	West Singbhum	3	3	3	840	--	243	1083	1082	1	--	--	--	308850	338039
	MADHYA PRADESH														
	Balaghat	1	1	--	--	166	105	271	271	--	--	--	--	2510136	1734127
	RAJASTHAN														
	Jhunjhunu	2	2	2	894	--	284	1178	1170	8	363	--	8	1028661	2042888
TOTAL : COPPER		6	6	5	1734	166	632	2532	2523	9	363	--	8	3847647	4115054
8. DIAMOND															
	MADHYA PRADESH														
	Panna	1	1	--	--	27	75	102	102	--	--	--	--	33488	62005439
TOTAL : DIAMOND		1	1	--	--	27	75	102	102	--	--	--	--	33488	62005439
9. DOLOMITE															
	ANDHRA PRADESH														
	Kurnool	5	2	--	--	236	4	240	240	--	--	--	--	1045995	141395
														5900 (FN)	1180
														24388 (LM)	10975
														5900 (FN)	1180
														24388 (LM)	10975

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
	CHHATTISGARH														
	Bilaspur	7	7	--	--	653	520	1173	1071	102	--	119	--	2794503	1026967
	Raigarh	1	--	--	--	8	--	8	8	--	--	--	--	206330	81880
	Janjgir(champa)	6	5	1	37	224	29	290	253	37	--	--	--	902374	314351
TOTAL :	CHHATTISGARH	14	12	1	37	885	549	1471	1332	139	--	119	--	3903207	1423198
	JHARKHAND														
	Garhwa	1	--	--	--	142	33	175	175	--	--	131	4	190570	178925
	KARNATAKA														
	Belgaum	1	--	--	--	1	--	1	1	--	--	--	--	6900	1449
	Bijapur	1	--	--	--	36	9	45	25	20	--	--	--	23506	11325
	Mysore	Employment with Limestone and Granite												28000	21776
	Tumkur	Employment with Limestone and Granite												7700	7952
	Bagalkot	4	2	--	--	43	5	48	48	--	--	--	--	137819	41070
TOTAL :	KARNATAKA	6	2	--	--	80	14	94	74	20	--	--	--	203925	83573
	MADHYA PRADESH														
	Balaghat	2	2	--	--	259	5	264	143	121	--	25	--	4050	1483
	Jabalpur	Employment with Limestone and Granite												6957	6521
	Mandla	1	--	--	--	1	--	1	1	--	--	--	--	Nil	Nil
	Katni	2	--	--	--	92	7	99	33	66	--	--	--	9930	5570
TOTAL :	MADHYA PRADESH	5	2	--	--	352	12	364	177	187	--	25	--	20937	13574
	MAHARASHTRA														
	Chandrapur	1	1	--	--	8	7	15	8	7	--	--	--	20413 (PR)	5818
	Nagpur	2	2	--	--	32	14	46	38	8	--	--	--	2797	935
	Yavatmal	1	1	--	--	17	4	21	21	--	--	--	--	106159	27787
TOTAL :	MAHARASHTRA	4	4	--	--	57	25	82	67	15	--	--	--	108956	28722
														20413 (PR)	5818
	ORISSA														
	Sundergarh	3	3	--	--	143	328	471	458	13	--	66	121	113323	43913
														222793 (PR)	156503
														222793 (PR)	156503
	RAJASTHAN														
	Rajsamand	Employment with Limestone Granite and Steatite												304700	800184
	TELANGANA														
	Khammam	1	1	--	--	54	91	145	141	4	--	--	--	416644 (PR)	837100
	WEST BENGAL														
	Jalpaiguri	1	--	--	--	--	31	31	31	--	--	--	--	Nil	Nil
TOTAL :	DOLOMITE	41	27	1	37	1982	1091	3110	2732	378	--	342	125	5891613	2713484
														5900 (FN)	1180
														24388 (LM)	10975

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
														659850 (PR)	999421
10.	FELSPAR														
	ANDHRA PRADESH														
	Nellore	5	2	1	24	101	15	140	118	22	--	--	--	696906	100930
														38312 (PR)	66707
														38312 (PR)	66707
	KARNATAKA														
	Mandya	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	Mysore	2	--	--	--	10	9	19	2	17	--	--	--	265	56
	TOTAL : KARNATAKA	3	--	--	--	12	9	21	4	17	--	--	--	265	56
	TELANGANA														
	Mahboob Nagar	2	--	--	--	41	3	44	44	--	--	--	--	25320	6380
	WEST BENGAL														
	Birbhum	1	--	--	--	15	2	17	17	--	--	14	--	668	207
														2708 (LM)	1312
	Purulia	Employment with Mica and Quartz												25966	9088
	TOTAL : WEST BENGAL	1	--	--	--	15	2	17	17	--	--	14	--	26634	9295
														2708 (LM)	1312
TOTAL :	FELSPAR	11	2	1	24	169	29	222	183	39	--	14	--	749125	116662
														2708 (LM)	1312
														38312 (PR)	66707
11.	FIRE-CLAY														
	ANDHRA PRADESH														
	East Godavari	1	--	--	--	20	--	20	20	--	--	--	--	9000	960
	GUJARAT														
	Kutch	2	--	--	--	36	--	36	36	--	--	18	--	7550	755
	MADHYA PRADESH														
	Jabalpur	2	--	--	--	35	4	39	23	16	--	--	--	32518	1743
	Katni	1	--	--	--	23	--	23	23	--	--	--	--	2800	286
	TOTAL : MADHYA PRADESH	3	--	--	--	58	4	62	46	16	--	--	--	35318	2029
	ORISSA														
	Angul	1	--	--	--	28	1	29	29	--	--	--	--	880	531
	Cuttack	4	--	--	--	67	15	82	82	--	--	--	--	16698	4208
	Sundergarh	1	--	--	--	20	--	20	20	--	--	--	--	6360	1049
	Bargarh	1	--	--	--	19	--	19	19	--	--	--	--	981	234
	TOTAL : ORISSA	7	--	--	--	134	16	150	150	--	--	--	--	24919	6023
	RAJASTHAN														
	Bikaner	6	--	--	--	122	4	126	114	12	--	--	--	184977	17763
	TAMIL NADU														

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
	Tiruchirapalli	1	--	--	--	2	11	13	2	11	--	--	--	11903	6190
	Perambalur	1	--	--	--	19	--	19	2	17	--	--	--	10810	3773
	Cuddalore	1	--	--	--	43	--	43	43	--	--	--	--	7249	808
	TOTAL : TAMIL NADU	3	--	--	--	64	11	75	47	28	--	--	--	29962	10770
	WEST BENGAL														
	Purulia	1	--	--	--	32	2	34	34	--	--	--	--	760	151
	TOTAL : FIRE-CLAY	23	--	--	--	466	37	503	447	56	--	18	--	292486	38451
12.	FLUORITE														
	GUJARAT														
	Vadodara(Baroda)	1	1	--	--	23	3	26	26	--	--	--	--	Nil	Nil
	MAHARASHTRA														
	Chandrapur	1	--	--	--	38	7	45	39	6	--	--	--	Nil	Nil
	TOTAL : FLUORITE	2	1	--	--	61	10	71	65	6	--	--	--	Nil	Nil
13.	GALENA & SPHALARITE														
	ANDHRA PRADESH														
	Guntur	1	1	1	10	--	30	40	40	--	8	--	30	1079	811
	RAJASTHAN														
	Ajmer	2	2	2	417	--	138	555	555	--	396	--	138	619001	465394
	Bhilwara	2	2	2	813	--	311	1124	1124	--	813	--	308	93442	1869570
	Udaipur	8	8	4	1068	--	697	1765	1705	60	770	--	347	9423100	13752300
	Rajsamand	2	2	2	1157	--	450	1607	1599	8	444	--	237	1884391	2596793
														49384 (PR)	74081
	TOTAL : RAJASTHAN	14	14	10	3455	--	1596	5051	4983	68	2423	--	1030	12019934	18684058
														49384 (PR)	74081
	TOTAL : GALENA & SPHALARITE	15	15	11	3465	--	1626	5091	5023	68	2431	--	1060	12021013	18684869
														49384 (PR)	74081
14.	GARNET														
	ANDHRA PRADESH														
	Srikakulam	2	--	--	--	38	38	76	66	10	--	37	--	186357	366289
	TAMIL NADU														
	Kanyakumari	1	--	--	--	1002	--	1002	1002	--	--	998	--	417427	284038
	Tirunelveli	4	--	--	--	100	20	120	98	22	--	14	--	284675	365684
	TOTAL : TAMIL NADU	5	--	--	--	1102	20	1122	1100	22	--	1012	--	702102	649722
	TOTAL : GARNET	7	--	--	--	1140	58	1198	1166	32	--	1049	--	888459	1016011

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
15. GOLD															
	ANDHRA PRADESH														
	Kurnool	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	JHARKHAND														
	East Singhbhum	1	1	1	36	--	16	52	52	--	--	--	--	5052	22367
	KARNATAKA														
	Raichur	4	4	2	1690	205	1617	3512	3313	199	--	--	--	13416	73871
														1 (FN)	3410537
														1 (FN)	3410537
	UTTARANCHAL														
	Pithoragarh(left side)	1	1	1	7	--	15	22	22	--	--	--	--	Nil	Nil
TOTAL : GOLD		7	6	4	1733	207	1648	3588	3389	199	--	--	--	18468	96237
														1 (FN)	3410537
16. GRANITE															
	ANDHRA PRADESH														
	Chittoor	2	2	--	--	126	6	132	132	--	--	--	--	11812	110077
	Guntur	2	2	--	--	30	4	34	34	--	--	--	--	15864	222923
	Karimnagar	1	1	--	--	60	8	68	68	--	--	--	--	Nil	Nil
	Prakasham	100	99	--	--	4582	1691	6273	6225	48	--	226	148	1180866	16774862
														13444 (PR)	160054
	Srikakulam	5	4	--	--	102	24	126	126	--	--	--	--	10386	83538
TOTAL : ANDHRA PRADESH		110	108	--	--	4900	1733	6633	6585	48	--	226	148	1218928	17191400
														13444 (PR)	160054
	GOA														
	North Goa	1	1	--	--	13	8	21	21	--	--	4	4	29858	8925
	South Goa	1	1	--	--	48	7	55	55	--	--	--	--	180919	33922
TOTAL : GOA		2	2	--	--	61	15	76	76	--	--	4	4	210777	42848
	KARNATAKA														
	Bangalore	3	1	--	--	27	3	30	29	1	--	--	--	463	3120
	Belgaum	1	--	--	--	56	--	56	54	2	--	--	--	Nil	Nil
	Bellary	1	1	--	--	15	--	15	15	--	--	--	--	1903	17958
	Bijapur	4	4	--	--	456	70	526	516	10	--	--	--	38319	1125578
	Gulbarga	1	1	--	--	80	9	89	89	--	--	--	--	Nil	Nil
	Hassan	3	1	--	--	43	8	51	50	1	--	--	--	1286	180197
	Mandya	1	--	--	--	12	4	16	16	--	--	9	--	923	27336
	Mysore	2	--	--	--	17	1	18	18	--	--	--	--	118	997
	Raichur	2	1	--	--	26	6	32	32	--	--	--	--	3241	28906
	Bagalkot	4	4	--	--	476	102	578	576	2	--	--	--	34303	515878
	KOPPAL	2	2	--	--	45	11	56	54	2	--	--	--	21296	190063
	CHAMARAJANAGAR	3	1	--	--	31	6	37	37	--	--	--	--	550	2743
	Ramanagara	3	--	--	--	38	8	46	42	4	--	--	--	Nil	Nil
														370694 (PR)	3004672
TOTAL : KARNATAKA		30	16	--	--	1322	228	1550	1528	22	--	9	--	102402	2092775
														370694 (PR)	3004672

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
	KERALA														
	Ernakulam	12	12	--	--	236	31	267	231	36	--	--	--	590349	616882
														289011 (PR)	1720147
	Kottayam	1	1	--	--	7	--	7	7	--	--	--	--	55633	108922
	Kozhicode	Employment with Stone												65103	78139
	Malappuram	2	2	--	--	26	23	49	44	5	--	--	--	1082748	43422
	Pathanamthitta	8	8	--	--	168	16	184	184	--	--	--	--	954605	365567
														105623 (PR)	867276
	Trichur	4	2	--	--	73	11	84	84	--	--	--	--	290788	645415
	Trivundrum	2	2	--	--	27	5	32	32	--	--	--	--	630201	4130974
	Palakkad	2	2	1	12	13	2	27	27	--	--	--	--	Nil	Nil
TOTAL :	KERALA	31	29	1	12	550	88	650	609	41	--	--	--	3669427	5989321
														394634 (PR)	2587423
	MADHYA PRADESH														
	Chhatarpur	1	1	--	--	185	20	205	205	--	--	--	--	Nil	Nil
	ORISSA														
	Bolangir	1	1	--	--	33	--	33	33	--	--	--	--	427 (PR)	3506
	Kalahandi	1	1	--	--	26	4	30	30	--	--	--	--	6002	31361
TOTAL :	ORISSA	2	2	--	--	59	4	63	63	--	--	--	--	6002	31361
														427 (PR)	3506
	RAJASTHAN														
	Bikaner	Employment with Stone and China Clay,clay,white-clay												800	132
	TELANGANA														
	Karimnagar	5	5	--	--	215	25	240	240	--	--	--	--	55807	418405
														8511 (PR)	14344
	Khammam	1	1	--	--	11	--	11	11	--	--	--	--	449	856
	Ranga Reddy	1	--	--	--	23	--	23	23	--	--	--	--	1000	6641
	Warangal	2	2	--	--	127	9	136	135	1	--	--	--	8211	45025
TOTAL :	TELANGANA	9	8	--	--	376	34	410	409	1	--	--	--	65467	470927
														8511 (PR)	14344
	TAMIL NADU														
	Dharmapuri	23	18	--	--	654	71	725	724	1	--	--	1	31635	534985
	Kanyakumari	1	--	--	--	1	1	2	2	--	--	--	--	Nil	Nil
	Madurai	9	8	--	--	298	73	371	368	3	--	134	--	21634	277842
														1388 (PR)	5955
	Periyar	2	2	--	--	160	10	170	170	--	--	--	--	17807	123846
	Pudukkottai	1	--	--	--	23	3	26	26	--	--	--	--	734	770
	Salem	16	15	--	--	529	71	600	597	3	--	--	--	58180	1118468
	South Arcot	2	2	--	--	29	6	35	35	--	--	4	--	998	11213
														421 (PR)	2417
	Thanjavur	1	1	--	--	19	--	19	19	--	--	--	--	999	633
	Tiruchirapalli	1	1	--	--	36	--	36	36	--	--	--	--	719	5657
	Tirunelveli	4	4	--	--	65	10	75	75	--	--	43	5	5330	62630
	V.R.P.	6	6	--	--	288	57	345	335	10	--	--	--	29894	343030

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
	Virudhunagar	2	1	--	--	24	21	45	45	--	--	12	--	1397	14407
	Vellore	6	5	--	--	185	22	207	207	--	--	118	11	11689	74858
	Villupuram	11	11	--	--	238	73	311	298	13	--	13	--	10144	135708
	Karur	4	2	--	--	91	10	101	99	2	--	12	--	30940	393686
	Sivaganga	1	1	--	--	16	2	18	18	--	--	--	--	1116	2500
	KRISHNAGIRI	20	18	1	19	601	25	645	645	--	--	27	--	58503	194675
														1000 (PR)	6026
	TOTAL : TAMIL NADU	110	95	1	19	3257	455	3731	3699	32	--	363	17	281719	3294907
														2809 (PR)	14398
	UTTAR PRADESH														
	Lalitpur	3	3	--	--	108	106	214	214	--	--	--	--	12048	223240
	WEST BENGAL														
	Birbhum	2	1	--	--	23	1	24	23	1	--	--	--	40021	14997
	TOTAL : GRANITE	300	265	2	31	10841	2684	13556	13411	145	--	602	169	5607591	29351908
														790519 (PR)	5784398
17.	GRAPHITE														
	JHARKHAND														
	Palamau	3	2	--	--	69	4	73	72	1	--	--	--	3515	23
	Saraikhela Kharsawan	1	--	--	--	17	--	17	17	--	--	16	--	2645	714
	TOTAL : JHARKHAND	4	2	--	--	86	4	90	89	1	--	16	--	6160	737
	ORISSA														
	Bolangir	5	2	--	--	113	7	120	45	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	10	4	--	--	212	13	225	125	100	--	--	--	24353	13387
	TAMIL NADU														
	Sivaganga	1	1	--	--	37	3	40	40	--	--	--	--	68834	38554
	TOTAL : GRAPHITE	15	7	--	--	335	20	355	254	101	--	16	--	99347	52678
18.	GYPSUM														
	ANDHRA PRADESH														
	East Godavari	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	JAMMU & KASHMIR														
	Deda	1	--	--	--	18	9	27	27	--	--	--	--	14046	4215
	Ramban	2	--	--	--	77	9	86	86	--	--	38	--	51770	25286
	TOTAL : JAMMU & KASHMIR	3	--	--	--	95	18	113	113	--	--	38	--	65816	29501

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
	RAJASTHAN														
	Barmer	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	Bikaner	11	5	--	--	102	21	123	123	--	--	11	1	2121147	1354802
	Sriganganagar	13	1	--	--	45	26	71	71	--	--	17	18	437498	252942
	Jaisalmer	1	--	--	--	1	8	9	9	--	--	--	--	Nil	Nil
	Jalor	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	Nagaur	3	1	--	--	12	12	24	24	--	--	--	--	171613	111548
	Hanumangarh	4	--	--	--	6	1	7	7	--	--	--	--	Nil	Nil
	Sri Ganganagar	2	--	--	--	5	1	6	6	--	--	1	--	109073	81266
	TOTAL : RAJASTHAN	36	7	--	--	175	69	244	244	--	--	29	19	2839331	1800559
	TOTAL : GYPSUM	40	7	--	--	272	87	359	359	--	--	67	19	2905147	1830060
	19. IRON														
	ANDHRA PRADESH														
	Anantpur	4	1	--	--	61	9	70	70	--	--	--	--	2606087	2606087
	Cuddapah	2	2	--	--	76	20	96	96	--	--	--	4	247849	170124
														204122 (FN)	69822
	Kurnool	6	1	--	--	69	4	73	73	--	--	--	--	59070	97556
														32623 (FN)	7960
														72922 (LM)	13126
	TOTAL : ANDHRA PRADESH	12	4	--	--	206	33	239	239	--	--	--	4	2913006	2873767
														236745 (FN)	77782
														72922 (LM)	13126
	CHHATTISGARH														
	Bastar	2	2	--	--	564	493	1057	1057	--	--	143	109	121466	90001
														5111826 (FN)	12639328
														2176099 (LM)	7986816
	Durg	6	6	--	--	1105	1119	2224	2199	25	--	305	--	7188491	5101726
	Rajnandgaon	2	2	--	--	776	14	790	790	--	--	726	--	501555	335684
	Kanker	3	2	--	--	539	31	570	570	--	--	395	--	387868	292031
														96284 (FN)	162802
	Dantewara	2	2	--	--	678	1033	1711	1711	--	--	--	--	11723684 (FN)	30328655
														5961383 (LM)	16965020
	Baloda Bazar	1	1	--	--	289	631	920	914	6	--	86	148	3512639 (PR)	2401205
	TOTAL : CHHATTISGARH	16	15	--	--	3951	3321	7272	7241	31	--	1655	257	8199380	5819441
														16931794 (FN)	43130785
														8137482 (LM)	24951835
														3512639 (PR)	2401205
	GOA														
	North Goa	38	23	--	--	1522	1300	2822	2799	23	--	200	59	7398034	969023
														1816257 (FN)	291514
														396386 (LM)	128802
														85710 (PR)	156436
	South Goa	41	23	--	--	1033	785	1818	1789	29	--	479	299	3591033	767859

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
														348161 (FN)	88828
														122467 (LM)	236153
														130788 (PR)	89124
	Goa	1	--	--	--	27	9	36	36	--	--	1	5	Nil	Nil
	Margaon	2	1	--	--	20	15	35	35	--	--	--	--	92600	10782
TOTAL : GOA		82	47	--	--	2602	2109	4711	4659	52	--	680	363	11081667	1747664
														2164418 (FN)	380342
														518853 (LM)	364955
														216498 (PR)	245560
	JHARKHAND														
	West Singbhum	25	18	--	--	2429	5342	7771	7398	373	--	944	1932	6778341	5324423
														8429146 (FN)	4237538
														2922074 (LM)	1550393
														7899183 (PR)	7895250
	Saraikhela Kharsawan	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
TOTAL : JHARKHAND		26	18	--	--	2429	5344	7773	7400	373	--	944	1932	6778341	5324423
														8429146 (FN)	4237538
														2922074 (LM)	1550393
														7899183 (PR)	7895250
	KARNATAKA														
	Bellary	73	51	--	--	4160	1235	5395	5336	59	--	1274	512	4661956	2655493
														8732217 (FN)	10380968
														2676977 (LM)	4202196
														5712365 (PR)	8738625
	Bijapur	2	2	--	--	26	13	39	27	12	--	--	--	247200	86520
														273713 (FN)	67078
	Chikmagalur	1	1	--	--	18	--	18	18	--	--	--	--	67326	5857
	Chitradurga	17	12	--	--	1398	100	1498	1495	3	--	280	16	6789770	3548096
														618417 (FN)	921078
														25676 (LM)	51763
														250 (PR)	385
	Dharwar	1	1	--	--	25	9	34	34	--	--	24	3	623095	184703
	Tumkur	10	5	--	--	185	69	254	249	5	--	50	29	465421	175338
														65041 (LM)	71545
														85340 (PR)	23469
TOTAL : KARNATAKA		104	72	--	--	5812	1426	7238	7159	79	--	1628	560	12854768	6656008
														9624347 (FN)	11369125
														2767694 (LM)	4325504
														5797955 (PR)	8762479
	MADHYA PRADESH														
	Hoshangabad	Employment with Quartz and Stone												1109	429
	Jabalpur	10	9	--	--	173	573	746	675	71	--	--	--	825042	607068
														1019073 (FN)	759336
														23495 (LM)	14312
	Rewa	1	1	--	--	5	13	18	18	--	--	--	--	218500	109250
TOTAL : MADHYA PRADESH		11	10	--	--	178	586	764	693	71	--	--	--	1044651	716747
														1019073 (FN)	759336

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
														23495 (LM)	14312
	MAHARASHTRA														
	Bhandara	1	--	--	--	36	11	47	44	3	--	--	--	10110	3340
	Chandrapur	1	1	--	--	179	5	184	184	--	--	--	--	250609	56387
	Gadehiroti	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	Sindhudurg	11	11	--	--	511	71	582	582	--	--	314	33	510745	580263
														39351 (FN)	37689
														738172 (LM)	1582125
														154483 (PR)	207605
	Wrong Code. 1	--	--	--	15	1	16	16	--	--	--	--	2093	5571	
	TOTAL : MAHARASHTRA	15	12	--	--	743	88	831	828	3	--	314	33	773557	645561
														39351 (FN)	37689
														738172 (LM)	1582125
														154483 (PR)	207605
	ORISSA														
	Bolangir	1	--	--	--	1	15	16	16	--	--	--	--	Nil	Nil
	Keonjhar	56	44	--	--	6037	7948	13985	13079	906	--	1810	2242	55072900	42865822
														9821376 (FN)	11595287
														11234759 (LM)	15366537
														7209035 (PR)	4310133
	Mayurbhanj	8	3	--	--	2364	102	2466	1970	496	--	788	--	9853	3136
														1751790 (FN)	6792757
														1094549 (LM)	136743
														354167 (PR)	537237
	Sundergarh	38	31	--	--	3518	2315	5833	4930	903	--	1072	858	8626241	9469199
														2038150 (FN)	2744124
														677084 (LM)	2574169
														7213789 (PR)	4923973
	Jajpur	Employment with Quartz Stone and Manganese												77627	255859
	TOTAL : ORISSA	103	78	--	--	11920	10380	22300	19995	2305	--	3670	3100	63786621	52594015
														13611316 (FN)	21132168
														13006392 (LM)	18077449
														14776991 (PR)	9771343
	RAJASTHAN														
	Bhilwara	2	1	--	--	530	336	866	866	--	--	384	309	4804071	1150
	Jaipur	1	1	--	--	54	14	68	68	--	--	--	--	47620 (LM)	36005
														181932 (PR)	185365
	TOTAL : RAJASTHAN	3	2	--	--	584	350	934	934	--	--	384	309	4804071	1150
														47620 (LM)	36005
														181932 (PR)	185365
	TOTAL : IRON	372	258	--	--	28425	23637	52062	49148	2914	--	9275	6558	112236062	76378777
														52056190 (FN)	81124764
														28234704 (LM)	50915705
														32539681 (PR)	29468806

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
20. KYANITE															
	JHARKHAND														
	East Singhbhum	1	--	--	--	9	--	9	9	--	--	--	--	Nil	Nil
	MAHARASHTRA														
	Bhandara	3	--	--	--	38	2	40	40	--	--	--	--	8663	2094
TOTAL : KYANITE		4	--	--	--	47	2	49	49	--	--	--	--	8663	2094
21. LATERITE															
	ANDHRA PRADESH														
	Cuddapah	Employment with Iron												145950	411
	East Godavari	11	8	--	--	240	12	252	252	--	--	95	--	3412365	27755
	Ranga Reddy	2	--	--	--	9	2	11	11	--	--	--	--	37576	106
TOTAL : ANDHRA PRADESH		13	8	--	--	249	14	263	263	--	--	95	--	3595891	28271
	GUJARAT														
	Kutch	2	2	--	--	17	--	17	17	--	--	--	--	168911	16485
	KARNATAKA														
	Belgaum	2	2	--	--	117	7	124	124	--	--	15	--	30000	2928
														105550 (PR)	20051
														105550 (PR)	20051
	KERALA														
	Kannur	1	--	--	--	10	2	12	9	3	--	--	--	25300	5435
	MADHYA PRADESH														
	Jabalpur	1	--	--	--	40	1	41	18	23	--	--	--	89046	2873
	Rewa	Employment with Iron												15000	3000
TOTAL : MADHYA PRADESH		1	--	--	--	40	1	41	18	23	--	--	--	104046	5873
	MAHARASHTRA														
	Kolhapur	1	--	--	--	23	--	23	23	--	--	16	--	Nil	Nil
	RAJASTHAN														
	Jhalawar	1	1	--	--	112	21	133	133	--	--	--	--	1720177	276782
TOTAL : LATERITE		21	13	--	--	568	45	613	587	26	--	126	--	5644325	335775
														105550 (PR)	20051
22. LIMESTONE															
	ANDAMAN & NICOBAR ISLAND														
	Andamana	2	2	--	--	134	17	151	151	--	--	--	--	Nil	Nil
	ANDHRA PRADESH														
	Adilabad	1	1	--	--	8	10	18	18	--	--	--	--	73160	11706
	Anantpur	5	4	--	--	128	148	276	276	--	--	59	116	6979762	1059315

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
	Cuddapah	9	9	--	--	270	78	348	343	5	--	81	23	29617593	4934908
	Guntur	9	7	--	--	199	116	315	315	--	--	--	--	4636850	2739930
	Krishna	9	9	--	--	239	140	379	371	8	--	93	47	5123031	27876863
	Kurnool	15	6	--	--	505	240	745	744	1	--	188	114	17764380	3007609
	Nalgonda	1	1	--	--	9	1	10	10	--	--	--	--	128748	21758
	Vizianagaram	Employment with Manganese												37110	6172
TOTAL : ANDHRA PRADESH		49	37	--	--	1358	733	2091	2077	14	--	421	300	64360634	39658261
	ASSAM														
	Karbi Arglong	1	1	--	--	22	12	34	34	--	--	--	--	124358	568
	North Cachar Hills	3	3	--	--	73	8	81	81	--	--	--	--	818725	320265
TOTAL : ASSAM		4	4	--	--	95	20	115	115	--	--	--	--	943083	320834
	BIHAR														
	Rohtas	3	2	--	--	173	53	226	222	4	--	--	--	950924	346455
	CHHATTISGARH														
	Bilaspur	1	1	--	--	124	4	128	128	--	--	--	--	2126505	149141
	Durg	6	5	--	--	158	205	363	357	6	--	--	--	2476880	597441
	Raipur	10	10	--	--	582	210	792	792	--	--	31	54	23917942	42309424
	Janjgir(champa)	4	1	--	--	168	9	177	177	--	--	--	--	2234697	375744
	Baloda Bazar	4	3	--	--	191	156	347	347	--	--	16	33	12143354	2263118
TOTAL : CHHATTISGARH		25	20	--	--	1223	584	1807	1801	6	--	47	87	42899378	45694868
	GUJARAT														
	Amreli	4	4	--	--	581	92	673	673	--	--	117	4	13915987	2211076
	Banas Kantha	1	--	--	--	1	--	1	1	--	--	--	--	Nil	Nil
	Jamnagar	7	1	--	--	94	16	110	110	--	--	26	--	1374855	165881
	Junagadh	30	15	--	--	1163	54	1217	1096	121	--	592	--	11295217	1596132
														27450 (PR)	1799
	Kutch	3	3	--	--	221	30	251	251	--	--	71	--	3894732	550806
	Porbandar	7	5	--	--	379	110	489	377	112	--	97	53	2791145	457200
	Gir-somnath	3	1	--	--	102	4	106	106	--	--	39	--	513994	67349
TOTAL : GUJARAT		55	29	--	--	2541	306	2847	2614	233	--	942	57	33785930	5048443
														27450 (PR)	1799
	HIMACHAL PRADESH														
	Bilaspur	1	1	--	--	35	31	66	66	--	--	--	--	4241700	513187
	Mandi	1	--	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	Sirmaur	27	17	--	--	723	106	829	814	15	--	--	--	2315031	469042
	Solan	3	3	--	--	269	8	277	277	--	--	--	--	8636590	1467660
TOTAL : HIMACHAL PRADESH		32	21	--	--	1027	147	1174	1159	15	--	--	--	15193321	2449890
	HARYANA														
	Mahendragarh	1	--	--	--	14	2	16	16	--	--	--	--	2760	373
	JHARKHAND														

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
	Hazaribagh	2	2	--	--	24	12	36	34	2	--	--	--	51410	13458
	Palamau	3	--	--	--	104	58	162	158	4	--	75	--	32595	6236
														38767 (PR)	6059
	Ranchi	3	2	--	--	45	26	71	71	--	--	--	--	4213	326
	West Singbhum	10	3	--	--	490	135	625	546	79	--	27	--	1120568	180231
	Garhwa	3	--	--	--	--	393	393	381	12	--	--	--	Nil	Nil
TOTAL :	JHARKHAND	21	7	--	--	663	624	1287	1190	97	--	102	--	1208786	200250
														38767 (PR)	6059
	JAMMU & KASHMIR														
	Pulwana	1	1	--	--	33	7	40	40	--	--	--	--	Nil	Nil
	KARNATAKA														
	Belgaum	4	2	--	--	37	5	42	36	6	--	--	--	60912	11934
	Bijapur	3	3	--	--	64	26	90	77	13	--	--	--	159444	20656
	Chitradurga	6	6	--	--	164	66	230	230	--	--	23	--	5078939	653460
	Gulbarga	12	10	--	--	585	109	694	694	--	--	40	--	24215184	5386006
	Shimoga	1	1	--	--	9	8	17	17	--	--	--	--	31600	30297
	Tumkur	4	2	--	--	275	51	326	321	5	--	4	--	245227	8320
	Bagalkot	23	7	--	--	405	38	443	425	18	--	106	7	3229270	617966
														303891 (PR)	34959
TOTAL :	KARNATAKA	53	31	--	--	1539	303	1842	1800	42	--	173	7	33020576	6728639
														303891 (PR)	34959
	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	--	--	170	54	224	215	9	--	21	6	2047310	2111554
	Jaintia Hills	8	7	--	--	191	54	245	241	4	--	--	--	1509573	418284
TOTAL :	MEGHALAYA	11	10	--	--	361	108	469	456	13	--	21	6	3556883	2529838
	MADHYA PRADESH														
	Damoh	5	5	--	--	180	107	287	287	--	--	--	--	8494913	2056117
	Datia	1	1	--	--	8	--	8	8	--	--	--	--	18836	4182
	Jabalpur	13	11	--	--	993	541	1534	1391	143	--	93	92	2930707	421020
														948363 (PR)	109098
	Mandsaur	2	2	--	--	101	37	138	138	--	--	--	--	2622722	184822
	Rewa	4	4	--	--	396	26	422	422	--	--	--	--	7548112	1776413
	Satna	28	25	--	--	1369	301	1670	1665	5	--	588	163	46984144	11009005
														1764633 (PR)	26195
	Sidhi	3	3	--	--	78	18	96	96	--	--	31	5	430713	Negligible
	Katni	13	10	--	--	530	36	566	559	7	--	--	--	3775369	1320236
	Neemuch	2	2	--	--	91	35	126	126	--	--	--	--	3652942	236463
TOTAL :	MADHYA PRADESH	71	63	--	--	3746	1101	4847	4692	155	--	712	260	76458458	17008259

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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
														2712996 (PR)	135293
	MAHARASHTRA														
	Chandrapur	5	5	--	--	509	152	661	630	31	--	249	2	10500055	1596588
	Sindhudurg	Employment with Iron												176778 (PR)	43364
	Yavatmal	8	3	--	--	172	39	211	188	23	--	55	--	2973640	1925583
TOTAL :	MAHARASHTRA	13	8	--	--	681	191	872	818	54	--	304	2	13473695	3522171
														176778 (PR)	43364
	ORISSA														
	Kalahandi	1	1	--	--	18	3	21	21	--	--	16	3	11630	1256
	Koraput	3	1	--	--	43	13	56	56	--	--	--	--	9435	708
	Sambalpur	1	1	--	--	240	25	265	264	1	--	155	--	933996	361008
	Sundergarh	11	11	--	--	1795	870	2665	2233	432	--	197	97	11676822	1368657
	Bargarh	1	1	--	--	245	218	463	463	--	--	116	184	445784	187229
TOTAL :	ORISSA	17	15	--	--	2341	1129	3470	3037	433	--	484	284	13077667	1918859
	RAJASTHAN														
	Ajmer	2	2	--	--	112	112	224	224	--	--	--	--	2939025	491062
	Banswara	1	1	--	--	54	11	65	65	--	--	--	--	1366035	238633
	Barmer	1	1	--	--	18	8	26	24	2	--	--	--	2730	82
	Bundi	1	1	--	--	38	2	40	40	--	--	--	--	478777	173695
	Chittorgarh	10	10	--	--	480	118	598	598	--	--	160	12	12436961	2941019
	Jaipur	5	4	--	--	601	54	655	655	--	--	115	--	23750734	2359826
	Jaisalmer	2	2	--	--	235	136	371	371	--	--	183	71	705357	91696
														2529293 (FN)	1214061
	Jhalawar	19	19	--	--	1140	58	1198	1100	98	--	70	3	55956909	7384707
														44363 (PR)	1641
	Jodhpur	2	1	--	--	46	14	60	60	--	--	--	--	21313	2364
	Kota	42	37	--	--	4837	508	5345	4776	569	--	226	--	247961567	22998834
														4098 (PR)	1954
	Nagaur	10	7	--	--	195	65	260	259	1	--	61	5	1320721	343601
	Pali	6	5	--	--	665	76	741	741	--	--	197	4	18021008	1108700
	Sikar	2	1	--	--	--	3	3	3	--	--	--	--	34533	9236
	Sirohi	5	5	--	--	407	143	550	550	--	--	64	--	17621026	2636236
	Udaipur	1	--	--	--	4	--	4	4	--	--	--	--	Nil	Nil
TOTAL :	RAJASTHAN	109	96	--	--	8832	1308	10140	9470	670	--	1076	95	382616696	40779691
														2529293 (FN)	1214061
														48461 (PR)	3595
	TELANGANA														
	Adilabad	4	4	--	--	946	1260	2206	2206	--	--	--	--	7920502	8801393
	Karimnagar	1	1	--	--	60	58	118	118	--	--	--	--	709677	311137
	Nalgonda	29	29	--	--	828	66	894	890	4	--	75	2	21164804	3215390
	Ranga Reddy	5	5	--	--	179	37	216	216	--	--	--	--	7051608	488103
TOTAL :	TELANGANA	39	39	--	--	2013	1421	3434	3430	4	--	75	2	36846591	12816023
	TAMIL NADU														

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
	Coimbattore	3	3	--	--	54	29	83	83	--	--	7	--	1153337	347840
	Madurai	1	1	--	--	95	3	98	98	--	--	--	--	3160634	521505
	Salem	5	5	--	--	224	38	262	251	11	--	80	--	476079	637815
	Thanjavur	1	1	--	--	24	1	25	9	16	--	--	--	27090	2790
	Tiruchirapalli	10	9	--	--	356	23	379	379	--	--	89	5	7094152	1674653
	Tirunelveli	11	11	--	--	311	35	346	346	--	--	19	2	1216666	1876446
	Kamrajar	1	1	--	--	18	1	19	6	13	--	--	--	148888	77422
	Dindigul-Anna	3	3	--	--	108	25	133	129	4	--	60	10	2026781	583707
	Virudhunagar	7	7	--	--	198	72	270	270	--	--	96	23	1907715	262992
	Perambalur	3	2	--	--	94	11	105	105	--	--	--	--	1656830	3494759
	Ariyalur	17	14	--	--	504	48	552	552	--	--	223	9	6534473	1661706
	TOTAL : TAMIL NADU	62	57	--	--	1986	286	2272	2228	44	--	574	49	25402645	11141635
	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	--	--	113	26	139	139	--	--	--	--	5789108	948320
TOTAL : LIMESTONE		574	447	--	--	29025	8532	37557	35773	1784	--	4931	1149	749681805	191133200
														2529293 (FN)	1214061
														3907004 (PR)	284934
23. MAGNESITE															
	JHARKHAND														
	East Singhbhum	1	1	--	--	47	10	57	38	19	--	--	--	18551	12986
	KARNATAKA														
	Mysore	4	2	--	--	106	83	189	137	52	--	30	30	16256	22338
														77028 (PR)	21752
														77028 (PR)	21752
	TAMIL NADU														
	Salem	10	6	--	--	1943	30	1973	1034	939	--	91	--	516815	935263
	UTTARANCHAL														
	Almora	1	1	--	--	109	56	165	165	--	--	17	22	36219	51806
TOTAL : MAGNESITE		16	10	--	--	2205	179	2384	1374	1010	--	138	52	587841	1022393
														77028 (PR)	21752
24. MANGANESE															
	ANDHRA PRADESH														
	Cuddapah	Employment with Iron												10956	29565
	Vizianagaram	30	23	--	--	1165	93	1258	764	494	--	14	--	386712	566800
														2529 (PR)	12643

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
	TOTAL : ANDHRA PRADESH	30	23	--	--	1165	93	1258	764	494	--	14	--	397668	596365
														2529 (PR)	12643
	GOA														
	North Goa	2	1	--	--	95	29	124	103	21	--	--	--	600	2400
														35267 (PR)	60072
	South Goa	9	5	--	--	240	14	254	160	94	--	52	1	1842608	1835015
	TOTAL : GOA	11	6	--	--	335	43	378	263	115	--	52	1	1843208	1837415
														35267 (PR)	60072
	GUJARAT														
	Panchmahal	1	1	--	--	9	18	27	27	--	--	--	--	Nil	Nil
	Vadodara(Baroda)	1	1	--	--	13	13	26	26	--	--	--	--	Nil	Nil
	Wrong Code. 1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil	
	TOTAL : GUJARAT	3	2	--	--	24	31	55	55	--	--	--	--	Nil	Nil
	JHARKHAND														
	West Singbhum	3	1	--	--	67	73	140	131	9	--	--	--	192511	51142
	KARNATAKA														
	Bangalore	1	--	--	--	12	6	18	15	3	--	--	--	Nil	Nil
	Bellary	6	3	--	--	805	916	1721	1584	137	--	157	89	195686	407610
														27600 (FN)	55495
														20195 (LM)	28711
														149644 (PR)	402718
	Chitradurga	8	3	--	--	128	34	162	150	12	--	--	--	275187	157896
	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	--	--	1017	975	1992	1836	156	--	175	89	472777	566972
														27600 (FN)	55495
														20195 (LM)	28711
														161314 (PR)	411489
	MADHYA PRADESH														
	Balaghat	27	24	16	3045	1314	1561	5920	5124	796	439	--	76	1025346	2920520
														106524 (PR)	469165
	Chhindwara	4	3	1	2	252	29	283	259	24	--	--	--	2060	5695
														20193 (PR)	48867
	Jabalpur	2	1	--	--	22	5	27	26	1	--	--	--	21400	78229
	Jhabua	1	1	--	--	136	34	170	114	56	--	--	--	120150	407237
	Rewa	Employment with Iron and Dolomite												22149	26579
	TOTAL : MADHYA PRADESH	34	29	17	3047	1724	1629	6400	5523	877	439	--	76	1191105	3438260
														126717 (PR)	518032
	MAHARASHTRA														
	Bhandara	6	5	2	1000	2311	1265	4576	3590	986	89	1082	58	786679	4187335
														265063 (PR)	923400

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
	Nagpur	12	9	7	1077	486	1212	2775	2395	380	41	65	400	754793	2122932
														25302 (PR)	102972
TOTAL : MAHARASHTRA		18	14	9	2077	2797	2477	7351	5985	1366	130	1147	458	1541472	6310267
														290365 (PR)	1026372
	ORISSA														
	Keonjhar	17	9	--	--	1873	1975	3848	2987	861	--	978	1557	258654	615711
														66 (LM)	16
														410698 (PR)	282278
	Koraput	1	1	--	--	44	19	63	36	27	--	--	--	Nil	Nil
	Sundergarh	17	11	--	--	719	406	1125	845	280	--	369	23	307799	589650
TOTAL : ORISSA		35	21	--	--	2636	2400	5036	3868	1168	--	1347	1580	566453	1205361
														66 (LM)	16
														410698 (PR)	282278
	RAJASTHAN														
	Tonk	Employment with Iron Dolomite and Stone												16700	37975
TOTAL : MANGANESE		152	102	26	5124	9765	7721	22610	18425	4185	569	2735	2204	6221894	14043756
														27600 (FN)	55495
														20261 (LM)	28727
														1026890 (PR)	2310886
25. MARBLE															
	ANDHRA PRADESH														
	Nellore	Employment with Mica												1	1
	GUJARAT														
	Amreli	Employment with Mica and Limestone												397337	164032
	Banas Kantha	4	3	--	--	273	58	331	331	--	--	--	--	761679	763542
	Junagadh	Employment with Mica and Limestone												178407	73651
	Porbandar	Employment with Mica and Limestone												373796	1856
	Gir-somnath	Employment with Mica and Limestone												111548	65461
TOTAL : GUJARAT		4	3	--	--	273	58	331	331	--	--	--	--	1822767	1068542
	MADHYA PRADESH														
	Jabalpur	1	1	--	--	19	21	40	40	--	--	--	--	15407	2605
	Katni	2	2	--	--	43	8	51	51	--	--	--	--	9449	4597
TOTAL : MADHYA PRADESH		3	3	--	--	62	29	91	91	--	--	--	--	24856	7203
	RAJASTHAN														
	Ajmer	1	1	--	--	28	18	46	46	--	--	--	--	27915	13958
	Banswara	2	1	--	--	133	43	176	176	--	--	--	--	78955	93974
	Jaipur	2	1	--	--	34	7	41	41	--	--	--	--	25072	9502
	Nagaur	1	1	--	--	4	3	7	7	--	--	--	--	36197	46266
	Sikar	2	2	--	--	39	17	56	56	--	--	--	--	91413	80998
	Sirohi	1	1	--	--	121	46	167	167	--	--	--	--	135880	131394

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
	Rajsamand	6	5	--	--	735	165	900	900	--	--	--	--	1346530	1794727
TOTAL : RAJASTHAN		15	12	--	--	1094	299	1393	1393	--	--	--	--	1741962	2170819
TOTAL : MARBLE		22	18	--	--	1429	386	1815	1815	--	--	--	--	3589586	3246565
26. MICA															
	ANDHRA PRADESH														
	Nellore	23	21	11	227	92	110	429	368	61	--	--	--	2581700	44490
	BIHAR														
	Nawada	4	3	2	36	33	16	85	85	--	--	--	--	2565057	18822
	JHARKHAND														
	Koderma	2	--	--	--	--	10	10	10	--	--	--	--	Nil	Nil
	Garhwa	2	1	1	15	--	10	25	25	--	--	--	--	19354	71
TOTAL : JHARKHAND		4	1	1	15	--	20	35	35	--	--	--	--	19354	71
TOTAL : MICA		31	25	14	278	125	146	549	488	61	--	--	--	5166111	63383
27. OCHRE															
	GUJARAT														
	Patan	1	--	--	--	16	--	16	16	--	--	--	--	592	59
	MADHYA PRADESH														
	Jabalpur	Employment with Iron												Nil	Nil
	Satna	1	--	1	14	--	5	19	19	--	--	--	--	970	78
TOTAL : MADHYA PRADESH		1	--	1	14	--	5	19	19	--	--	--	--	970	78
	MAHARASHTRA														
	Bhandara	Employment with Iron and Sillimanite												2013	493
	RAJASTHAN														
	Bikaner	Employment with Iron Sillimanite and Fire-clay												930	228
TOTAL : OCHRE		2	--	1	14	16	5	35	35	--	--	--	--	4505	857
28. QUARTZ															
	ANDHRA PRADESH														
	Nellore	3	2	--	--	42	32	74	40	34	--	18	--	22522	11995
														945 (PR)	280
	Vizianagaram	3	--	--	--	70	--	70	38	32	--	18	--	29743	5210
TOTAL : ANDHRA PRADESH		6	2	--	--	112	32	144	78	66	--	36	--	52265	17204
														945 (PR)	280

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	2	--	--	--	31	7	38	38	--	--	--	--	57648	18907
	CHHATTISGARH														
	Raigarh	3	--	--	--	156	11	167	157	10	--	123	7	36935	5885
	JHARKHAND														
	West Singbhum	1	--	--	--	31	6	37	37	--	--	--	--	7494	16795
	East Singhbhum	1	1	1	25	--	4	29	29	--	--	--	--	3724	14362
	Saraikhela Kharsawan	1	--	--	--	18	3	21	20	1	--	--	--	Nil	Nil
TOTAL :	JHARKHAND	3	1	1	25	49	13	87	86	1	--	--	--	11218	31158
	MADHYA PRADESH														
	Jabalpur	Employment with Mica and Iron												40	17
	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	2	--	--	120	12	132	116	16	--	104	7	19268	24188
TOTAL :	ORISSA	6	2	--	--	211	12	223	198	25	--	104	7	31502	25699
														1454 (PR)	144
	RAJASTHAN														
	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	--	--	--	12333	2457
														186627 (PR)	349067
	TELANGANA														
	Mahboob Nagar	3	3	--	--	65	9	74	71	3	--	10	--	209380	61898
	Medak	2	1	--	--	95	--	95	91	4	--	--	--	16319	2448
	Nalgonda	2	--	--	--	4	2	6	6	--	--	--	--	60	36
TOTAL :	TELANGANA	7	4	--	--	164	11	175	168	7	--	10	--	225759	64382
	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	--	--	--	1883 (PR)	4573
TOTAL :	TAMIL NADU	6	--	--	--	230	2	232	86	146	--	--	--	8926	6302
														4343 (PR)	9996

STATEMENT NO. 1.2 (CONT..)

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			AVERAGE DAILY EMPLOYMENT						CONTRACT LABOUR			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	BELOW-GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	WEST BENGAL														
	Purulia	1	1	--	--	42	14	56	56	--	--	40	11	12785	3644
TOTAL : QUARTZ		38	11	1	25	1095	119	1239	983	256	--	313	25	449411	175654
														193369 (PR)	359488
29. SANDSTONE															
	HARYANA														
	Karnal	1	1	--	--	16	--	16	16	--	--	--	--	226986	8371
	JHARKHAND														
	Sahebganj	2	2	--	--	26	8	34	32	2	--	--	--	11254	2251
	RAJASTHAN														
	Bundi	1	1	--	--	186	16	202	202	--	--	--	--	68032	123300
	Jaipur	1	--	--	--	3	15	18	18	--	--	--	--	Nil	Nil
TOTAL : RAJASTHAN		2	1	--	--	189	31	220	220	--	--	--	--	68032	123300
	UTTAR PRADESH														
	Allahabad	1	1	--	--	36	2	38	38	--	--	33	2	404715	96753
TOTAL : SANDSTONE		7	6	--	--	269	41	310	308	2	--	33	2	710987	230675
30. SELENITE															
	RAJASTHAN														
	Barmer	2	2	--	--	10	6	16	16	--	--	--	--	2105	4210
	Bikaner	1	--	--	--	2	3	5	3	2	--	--	--	Nil	Nil
TOTAL : RAJASTHAN		3	2	--	--	12	9	21	19	2	--	--	--	2105	4210
TOTAL : SELENITE		3	2	--	--	12	9	21	19	2	--	--	--	2105	4210
31. SILICA															
	ANDHRA PRADESH														
	Nellore	3	--	--	--	56	--	56	24	32	--	--	--	103495	5430
	GUJARAT														
	Kutch	1	1	--	--	12	--	12	12	--	--	--	--	383710	76685
	HARYANA														
	Faridabad	11	10	--	--	1320	381	1701	1701	--	--	293	--	8353649	1523890
	Gurgaon	3	3	--	--	168	16	184	184	--	--	--	--	1037022	103702
														347116 (PR)	49533
	Wrong Code.	1	1	--	--	14	12	26	26	--	--	--	--	315754	69466
TOTAL : HARYANA		15	14	--	--	1502	409	1911	1911	--	--	293	--	9706425	1697059
														347116 (PR)	49533

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
	KARNATAKA														
	Dakshin Kannada	1	--	--	--	2	--	2	2	--	--	--	--	Nil	Nil
	Udipi	6	--	--	--	20	6	26	17	9	--	18	--	41000	18245
	TOTAL : KARNATAKA	7	--	--	--	22	6	28	19	9	--	18	--	41000	18245
	MAHARASHTRA														
	Ratnagiri	1	1	--	--	23	8	31	19	12	--	20	3	8703 (PR)	2499
	Sindhudurg	9	7	--	--	166	205	371	326	45	--	7	--	386899	96708
														104189 (PR)	60864
	TOTAL : MAHARASHTRA	10	8	--	--	189	213	402	345	57	--	27	3	386899	96708
														112892 (PR)	63363
	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	--	--	--	4	14	18	18	--	--	--	--	26070	11732
	TOTAL : RAJASTHAN	6	5	--	--	163	326	489	346	143	--	--	--	67226	16855
														195476 (PR)	77772
	TAMIL NADU														
	Kancheepuram	1	--	--	--	35	3	38	6	32	--	34	3	6880	2486
	UTTAR PRADESH														
	Allahabad	1	1	--	--	--	2	2	2	--	--	--	--	Nil	Nil
	TOTAL : SILICA	44	29	--	--	1979	959	2938	2665	273	--	372	6	10695635	1913468
														655484 (PR)	190668
32.	SILLIMANITE														
	ANDHRA PRADESH														
	Srikakulam	1	1	--	--	130	365	495	467	28	--	--	217	61088	481775
	KERALA														
	Kollam	1	1	--	--	13	366	379	350	29	--	--	--	139258	358145
	MAHARASHTRA														
	Bhandara	4	3	--	--	291	34	325	308	17	--	--	--	5614	1677
														48386 (PR)	358072
														48386 (PR)	358072
	ORISSA														
	Ganjam	1	1	--	--	114	857	971	905	66	--	10	178	225173 (PR)	245104
	TAMIL NADU														
	Kanyakumari	2	--	--	--	1078	267	1345	1331	14	--	405	7	138775	43714

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
TOTAL : SILLIMANITE		9	6	--	--	1626	1889	3515	3361	154	--	415	402	344735 273559 (PR)	885312 603177
33. SLATE															
	HARYANA														
	Rewani	2	--	--	--	162	7	169	169	--	--	--	--	48986	51666
TOTAL : SLATE		2	--	--	--	162	7	169	169	--	--	--	--	48986	51666
34. STEATITE															
	ANDHRA PRADESH														
	Anantpur	2	1	2	20	--	15	35	30	5	--	--	--	7956	941
	Kurnool	5	4	1	7	87	24	118	104	14	--	--	--	67402	18146
TOTAL : ANDHRA PRADESH		7	5	3	27	87	39	153	134	19	--	--	--	75358	19087
	JHARKHAND														
	Pakur	1	1	--	--	22	1	23	23	--	--	--	--	Nil	Nil
	MADHYA PRADESH														
	Shivpuri	2	1	--	--	115	11	126	102	24	--	--	--	28252	24748
	Tikamgarh	2	1	--	--	72	9	81	53	28	--	--	--	20699	13379
TOTAL : MADHYA PRADESH		4	2	--	--	187	20	207	155	52	--	--	--	48951	38126
	ORISSA														
	Keonjhar	1	1	--	--	25	11	36	29	7	--	--	--	11787	177
	RAJASTHAN														
	Bhilwara	12	3	--	--	466	51	517	517	--	--	--	--	300780	126787
	Dungarpur	3	2	--	--	287	85	372	236	136	--	--	--	22741	10276
	Sawai Madhopur	1	--	--	--	40	--	40	40	--	--	--	--	114480	3990
	Udaipur	20	12	3	269	737	241	1247	1140	107	--	57	22	366671	578915
	Rajsamand	5	2	1	11	74	67	152	134	18	--	--	--	20783	14644
	Dausa	1	--	--	--	23	1	24	22	2	--	--	--	1690	338
	Karauli	1	--	--	--	30	--	30	30	--	--	--	--	3510	862
	Pratapgarh	4	2	--	--	338	101	439	421	18	--	--	--	282115 63433 (PR)	477556 39568
TOTAL : RAJASTHAN		47	21	4	280	1995	546	2821	2540	281	--	57	22	1112770 63433 (PR)	1213368 39568
	UTTARANCHAL														
	Almora	1	--	--	--	40	5	45	45	--	--	--	--	517	256
	Bageshwer	32	--	--	--	1213	140	1353	1303	50	--	114	10	3138003 12700 (PR)	1658086 7620
TOTAL : UTTARANCHAL		33	--	--	--	1253	145	1398	1348	50	--	114	10	3138520 12700 (PR)	1658342 7620

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
TOTAL : STEATITE		94	30	7	307	3598	815	4720	4272	448	--	171	32	4387386	2929101
														76133 (PR)	47188
35. STONE															
	ANDHRA PRADESH														
	Chittoor	2	2	--	--	69	5	74	74	--	--	--	--	88223	20221
														323944 (PR)	26309
	Guntur	4	4	--	--	26	3	29	29	--	--	--	--	88922	16922
	Mahboob Nagar	1	1	--	--	13	--	13	13	--	--	--	--	14908	4273
	Nalgonda	1	--	--	--	9	--	9	9	--	--	--	--	3540	30
	Nellore	4	2	--	--	87	3	90	86	4	--	--	--	119729	161320
	Prakasham	1	--	--	--	21	--	21	21	--	--	--	--	441440	12020
	Ranga Reddy	1	1	--	--	73	--	73	73	--	--	--	--	125625	31587
TOTAL : ANDHRA PRADESH		14	10	--	--	298	11	309	305	4	--	--	--	882387	246372
														323944 (PR)	26309
	BIHAR														
	Gaya	1	1	--	--	13	8	21	21	--	--	--	--	14242	570
	Nawada	3	3	--	--	57	24	81	81	--	--	--	--	3074740	956404
TOTAL : BIHAR		4	4	--	--	70	32	102	102	--	--	--	--	3088982	956974
	GOA														
	North Goa	4	4	--	--	56	51	107	107	--	--	13	12	319821	214733
	South Goa	3	--	--	--	161	8	169	160	9	--	86	--	260700	41229
TOTAL : GOA		7	4	--	--	217	59	276	267	9	--	99	12	580521	255963
	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														
	Ambala	1	--	--	--	10	2	12	12	--	--	--	--	30023	2376
	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		23	10	--	--	2107	208	2315	2315	--	--	1111	15	11220395	807441
														6639167 (PR)	464322
	JHARKHAND														
	Koderma	7	3	--	--	45	9	54	54	--	--	--	--	659856	57341
	Deoghar	1	1	--	--	13	9	22	22	--	--	--	--	5260	489
	Dhanbad	16	2	--	--	78	20	98	98	--	--	--	--	129950	8408
	Sahebganj	31	25	--	--	402	434	836	721	115	--	135	119	8038351	440437
														7442 (PR)	201
	Garhwa	5	4	--	--	89	1	90	90	--	--	--	--	5488915	301885

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
	Pakur	57	40	--	--	503	574	1077	1011	66	--	100	108	3856349	189788
	JAMTARA	1	1	--	--	14	9	23	23	--	--	--	--	13560	877
TOTAL : JHARKHAND		118	76	--	--	1144	1056	2200	2019	181	--	235	227	18192241	999225
														7442 (PR)	201
	KARNATAKA														
	Bangalore	1	--	--	--	10	--	10	10	--	--	--	--	70900	23335
	Belgaum	1	1	--	--	17	2	19	18	1	--	--	--	78	25
	Bellary	1	1	--	--	22	--	22	22	--	--	--	--	56188	18493
	Udipi	1	1	--	--	21	3	24	24	--	--	21	3	125703	37610
TOTAL : KARNATAKA		4	3	--	--	70	5	75	74	1	--	21	3	252869	79463
	KERALA														
	Kottayam	4	4	--	--	52	6	58	58	--	--	17	--	975265	513134
	Pathanamthitta	4	4	--	--	53	11	64	64	--	--	--	--	160392	47983
	Trichur	1	1	--	--	27	9	36	27	9	--	--	--	Nil	Nil
	Trivundrum	3	3	--	--	105	6	111	111	--	--	--	--	Nil	Nil
	Palakkad	Employment with Granite												90000	51233
	Thiruvananthapuram	1	1	--	--	44	--	44	44	--	--	--	--	148228	2236
TOTAL : KERALA		15	15	--	--	296	34	330	321	9	--	17	--	1373885	614585
	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	1	11	16	--	27	27	--	--	--	--	95997	15477
	Ratnagiri	1	1	--	--	94	29	123	123	--	--	--	--	Nil	Nil
	Thane	4	4	--	--	53	9	62	59	3	--	--	--	133505	20614
	Raigad	2	2	--	--	71	9	80	80	--	--	--	--	130266	70456
TOTAL : MAHARASHTRA		12	11	1	11	316	90	417	403	14	--	19	33	547214	120336
	ORISSA														
	Baleshwar	1	1	--	--	10	5	15	15	--	--	--	--	24106	10788
	Ganjam	1	1	--	--	10	2	12	12	--	--	--	--	1977	11863
	Sundergarh	1	1	--	--	27	--	27	27	--	--	--	--	116946 (PR)	39096
TOTAL : ORISSA		3	3	--	--	47	7	54	54	--	--	--	--	26083	22651
														116946 (PR)	39096
	RAJASTHAN														
	Alwar	1	1	--	--	20	1	21	16	5	--	--	--	50500	12120
	Jaipur	1	1	--	--	60	75	135	135	--	--	--	--	Nil	Nil
	Kota	Employment with Granite and Limestone												5420852	590400
	Sikar	1	--	--	--	14	6	20	20	--	--	--	--	187830	48462
	Dausa	1	1	--	--	41	19	60	60	--	--	36	--	64689	5499
TOTAL : RAJASTHAN		6	4	--	--	262	111	373	367	6	--	36	--	5723871	656481
	TELANGANA														
	Mahboob Nagar	2	2	--	--	40	2	42	42	--	--	--	--	29230	7948
	Nalgonda	1	--	--	--	18	2	20	20	--	--	--	--	3000	230

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
	TOTAL : TELANGANA	3	2	--	--	58	4	62	62	--	--	--	--	32230	8177
	TAMIL NADU														
	Chengalpattu(Anna)	2	1	--	--	228	28	256	168	88	--	6	22	55280	2073
	Coimbattore	1	1	--	--	15	3	18	18	--	--	--	--	241316	36197
	Salem	Employment with Granite and Limestone												226137	20126
	Chidambarnar	1	--	--	--	19	--	19	19	--	--	--	--	58400	5840
	Kancheepuram	6	3	--	--	150	19	169	169	--	--	--	--	1223005	53631
	Thoothukkudi	2	1	--	--	56	47	103	103	--	--	--	--	181103	8305
	TOTAL : TAMIL NADU	12	6	--	--	468	97	565	477	88	--	6	22	1985241	126173
	UTTAR PRADESH														
	Sonebhadra	Employment with Granite Limestone and Dolomite												17250	1655
	WEST BENGAL														
	Pakur	1	--	--	--	4	2	6	6	--	--	--	--	144200	6296
	Birbhum	44	35	3	39	574	395	1008	1002	6	--	72	99	33163210	1398400
	Burdwan	2	1	--	--	23	27	50	37	13	--	--	--	190196	20838
	TOTAL : WEST BENGAL	47	36	3	39	601	424	1064	1045	19	--	72	99	33497606	1425534
	TOTAL : STONE	273	187	4	50	6058	2268	8376	8027	349	--	1616	411	77727507 7087499 (PR)	6356888 529928
	36. VERMICULITE														
	ANDHRA PRADESH														
	Nellore	3	--	--	--	28	14	42	28	14	--	--	--	9653	999
	TAMIL NADU														
	North Arcot	1	--	--	--	17	10	27	24	3	--	15	6	1102	2388
	TOTAL : VERMICULITE	4	--	--	--	45	24	69	52	17	--	15	6	10755	3387
	37. WOLLASTONITE														
	RAJASTHAN														
	Sirohi	2	2	--	--	270	106	376	321	55	--	--	--	165741	231744
	Udaipur	1	1	--	--	216	91	307	248	59	--	18	--	138225	109604
	TOTAL : RAJASTHAN	3	3	--	--	486	197	683	569	114	--	18	--	303966	341349
	TOTAL : WOLLASTONITE	3	3	--	--	486	197	683	569	114	--	18	--	303966	341349
	TOTAL : METALLIFEROUS	2398	1619	87	13548	116204	64633	194385	180181	14204	3491	27329	15654	--	629814348

* 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. 1.3

STATEWISE DISTRIBUTION OF MINES, EMPLOYMENT AND OUTPUT FOR METALLIFEROUS MINES DURING THE YEAR 2015

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	2	--	134	--	17	--	151	Nil	Nil
	TOTAL : ANDAMAN & NICOBAR IS	2	--	134	--	17	--	151	--	Nil
ANDHRA PRADESH										
	1. Apatite & Rock Phospha	1	27	--	--	5	7	39	3765	7831
	2. Barytes	4	9	392	1	248	152	802	1387	499
									2198211 (LM)	8100722
									12295 (PR)	11642
	3. China Clay,clay,white-	7	--	117	32	5	--	154	113297	14163
									36910 (PR)	34
	4. Dolomite	5	--	236	--	4	--	240	1045995	141395
									5900 (FN)	1180
									24388 (LM)	10975
	5. Felspar	5	24	84	17	10	5	140	696906	100930
									38312 (PR)	66707
	6. Fire-clay	1	--	20	--	--	--	20	9000	960
	7. Galena & Sphalarite	1	10	--	--	30	--	40	1079	811
	8. Garnet	2	--	28	10	38	--	76	186357	366289
	9. Gold	1	--	2	--	--	--	2	Nil	Nil
	10. Granite	110	--	4899	1	1686	47	6633	1218928	17191400
									13444 (PR)	160054
	11. Gypsum	1	--	2	--	--	--	2	Nil	Nil
	12. Iron	12	--	206	--	33	--	239	2913006	2873767
									236745 (FN)	77782
									72922 (LM)	13126
	13. Laterite	13	--	249	--	14	--	263	3595891	28271
	14. Limestone	49	--	1353	5	724	9	2091	64360634	39658261
	15. Manganese	30	--	679	486	85	8	1258	397668	596365
									2529 (PR)	12643
	16. Marble	Employment with Limestone Mica and Sandstone							1	1
	17. Mica	23	227	91	1	50	60	429	2581700	44490
	18. Quartz	6	--	73	39	5	27	144	52265	17204
									945 (PR)	280
	19. Silica	3	--	24	32	--	--	56	103495	5430
	20. Sillimanite	1	--	130	--	337	28	495	61088	481775
	21. Steatite	7	27	87	--	20	19	153	75358	19087
	22. Stone	14	--	294	4	11	--	309	882387	246372
									323944 (PR)	26309
	23. Vermiculite	3	--	19	9	9	5	42	9653	999
	TOTAL : ANDHRA PRADESH	300	324	8987	637	3314	367	13629	--	70277757
ASSAM										
	1. Limestone	4	--	95	--	20	--	115	943083	320834
	TOTAL : ASSAM	4	--	95	--	20	--	115	--	320834

STATEMENT NO. 1.3(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	--	170	3	52	1	226	950924	346455
	2. Mica	4	36	33	--	16	--	85	2565057	18822
	3. Quartz	2	--	31	--	7	--	38	57648	18907
	4. Stone	4	--	70	--	32	--	102	3088982	956974
	TOTAL : BIHAR	13	36	304	3	107	1	451	--	1341157
CHHATTISGARH										
	1. Bauxite	14	--	1854	16	125	--	1995	2410887	1794837
									130381 (PR)	15902
	2. Dolomite	14	37	749	136	546	3	1471	3903207	1423198
	3. Iron	16	--	3945	6	3296	25	7272	8199380	5819441
									16931794 (FN)	43130785
									8137482 (LM)	24951835
									3512639 (PR)	2401205
	4. Limestone	25	--	1223	--	578	6	1807	42899378	45694868
	5. Quartz	3	--	147	9	10	1	167	36935	5885
	TOTAL : CHHATTISGARH	72	37	7918	167	4555	35	12712	--	125237956
GOA										
	1. Granite	2	--	61	--	15	--	76	210777	42848
	2. Iron	82	--	2591	11	2068	41	4711	11081667	1747664
									2164418 (FN)	380342
									518853 (LM)	364955
									216498 (PR)	245560
	3. Manganese	11	--	231	104	32	11	378	1843208	1837415
									35267 (PR)	60072
	4. Stone	7	--	208	9	59	--	276	580521	255963
	TOTAL : GOA	102	--	3091	124	2174	52	5441	--	4934818
GUJARAT										
	1. Bauxite	26	--	378	64	25	--	467	1575843	701244
									169617 (PR)	52101
	2. China Clay,clay,white-	31	--	388	--	61	2	451	595252	140143
									12904 (PR)	13290
	3. Fire-clay	2	--	36	--	--	--	36	7550	755
	4. Fluorite	1	--	23	--	3	--	26	Nil	Nil
	5. Laterite	2	--	17	--	--	--	17	168911	16485
	6. Limestone	55	--	2308	233	306	--	2847	33785930	5048443
									27450 (PR)	1799
	7. Manganese	3	--	24	--	31	--	55	Nil	Nil
	8. Marble	4	--	273	--	58	--	331	1822767	1068542
	9. Ochre	1	--	16	--	--	--	16	592	59

STATEMENT NO. 1.3(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
	10. Silica	1	--	12	--	--	--	12	383710	76685
	11. Stone	4	--	88	10	122	8	228	306732	35858
	TOTAL : GUJARAT	130	--	3563	307	606	10	4486	--	7155404
	HIMACHAL PRADESH									
	1. Barytes	1	16	--	--	--	--	16	588	882
	2. Limestone	32	--	1015	12	144	3	1174	15193321	2449890
	TOTAL : HIMACHAL PRADESH	33	16	1015	12	144	3	1190	--	2450771
	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	15	--	1502	--	409	--	1911	9706425	1697059
									347116 (PR)	49533
	5. Slate	2	--	162	--	7	--	169	48986	51666
	6. Stone	23	--	2107	--	208	--	2315	11220395	807441
									6639167 (PR)	464322
	TOTAL : HARYANA	44	--	3851	--	642	--	4493	--	3083426
	JHARKHAND									
	1. Bauxite	33	1	2657	--	337	4	2999	3225725	1593640
	2. China Clay,clay,white-	6	--	97	44	336	71	548	117287	23806
									61821 (PR)	13883
	3. Copper	3	840	--	--	242	1	1083	308850	338039
	4. Dolomite	1	--	142	--	33	--	175	190570	178925
	5. Gold	1	36	--	--	16	--	52	5052	22367
	6. Graphite	4	--	85	1	4	--	90	6160	737
	7. Iron	26	--	2274	155	5126	218	7773	6778341	5324423
									8429146 (FN)	4237538
									2922074 (LM)	1550393
									7899183 (PR)	7895250
	8. Kyanite	1	--	9	--	--	--	9	Nil	Nil
	9. Limestone	21	--	585	78	605	19	1287	1208786	200250
									38767 (PR)	6059
	10. Magnesite	1	--	28	19	10	--	57	18551	12986
	11. Manganese	3	--	67	--	64	9	140	192511	51142
	12. Mica	4	15	--	--	20	--	35	19354	71
	13. Quartz	3	25	49	--	12	1	87	11218	31158
	14. Sandstone	2	--	25	1	7	1	34	11254	2251
	15. Steatite	1	--	22	--	1	--	23	Nil	Nil
	16. Stone	118	--	1141	3	878	178	2200	18192241	999225
									7442 (PR)	201
	TOTAL : JHARKHAND	228	917	7181	301	7691	502	16592	--	22482342

STATEMENT NO. 1.3(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
JAMMU & KASHMIR										
	1. Gypsum	3	--	95	--	18	--	113	65816	29501
	2. Limestone	1	--	33	--	7	--	40	Nil	Nil
	TOTAL : JAMMU & KASHMIR	4	--	128	--	25	--	153	--	29501
KARNATAKA										
	1. Bauxite	2	--	23	--	10	--	33	Nil	Nil
									57550 (PR)	25898
	2. China Clay,clay,white-	3	--	22	9	29	--	60	18110	12644
									25860 (PR)	7229
	3. Chromite	4	66	41	13	100	27	247	4704	15053
	4. Dolomite	6	--	60	20	14	--	94	203925	83573
	5. Felspar	3	--	2	10	2	7	21	265	56
	6. Gold	4	1690	203	2	1420	197	3512	13416	73871
									1 (FN)	3410537
	7. Granite	30	--	1304	18	224	4	1550	102402	2092775
									370694 (PR)	3004672
	8. Iron	104	--	5765	47	1394	32	7238	12854768	6656008
									9624347 (FN)	11369125
									2767694 (LM)	4325504
									5797955 (PR)	8762479
	9. Laterite	2	--	117	--	7	--	124	30000	2928
									105550 (PR)	20051
	10. Limestone	53	--	1506	33	294	9	1842	33020576	6728639
									303891 (PR)	34959
	11. Magnesite	4	--	87	19	50	33	189	16256	22338
									77028 (PR)	21752
	12. Manganese	18	--	978	39	858	117	1992	472777	566972
									27600 (FN)	55495
									20195 (LM)	28711
									161314 (PR)	411489
	13. Silica	7	--	13	9	6	--	28	41000	18245
	14. Stone	4	--	69	1	5	--	75	252869	79463
	TOTAL : KARNATAKA	245	1756	10213	220	4413	426	17028	--	47830464
KERALA										
	1. China Clay,clay,white-	10	--	80	51	205	115	451	440007	70372
	2. Granite	31	12	513	37	84	4	650	3669427	5989321
									394634 (PR)	2587423
	3. Laterite	1	--	7	3	2	--	12	25300	5435
	4. Limestone	2	--	121	--	133	--	254	14190	12615
									598661 (PR)	59866
	5. Sillimanite	1	--	13	--	337	29	379	139258	358145
	6. Stone	15	--	293	3	28	6	330	1373885	614585

STATEMENT NO. 1.3(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
	TOTAL : KERALA	60	12	1027	94	789	154	2076	--	9697763
MEGHALAYA										
	1. Limestone	11	--	361	--	95	13	469	3556883	2529838
	TOTAL : MEGHALAYA	11	--	361	--	95	13	469	--	2529838
MADHYA PRADESH										
	1. Apatite & Rock Phospha	3	--	124	59	14	--	197	82891	77955
	2. Bauxite	15	--	414	94	45	--	553	505622	220901
	3. China Clay,clay,white-	Employment with Iron							1330	490
	4. Copper	1	--	166	--	105	--	271	2510136	1734127
	5. Diamond	1	--	27	--	75	--	102	33488	62005439
	6. Dolomite	5	--	165	187	12	--	364	20937	13574
	7. Fire-clay	3	--	42	16	4	--	62	35318	2029
	8. Granite	1	--	185	--	20	--	205	Nil	Nil
	9. Iron	11	--	178	--	515	71	764	1044651	716747
									1019073 (FN)	759336
									23495 (LM)	14312
	10. Laterite	1	--	17	23	1	--	41	104046	5873
	11. Limestone	71	--	3628	118	1064	37	4847	76458458	17008259
									2712996 (PR)	135293
	12. Manganese	34	3047	1449	275	1027	602	6400	1191105	3438260
									126717 (PR)	518032
	13. Marble	3	--	62	--	29	--	91	24856	7203
	14. Ochre	1	14	--	--	5	--	19	970	78
	15. Quartz	Employment with Iron Limestone and Manganese							40	17
	16. Steatite	4	--	139	48	16	4	207	48951	38126
	TOTAL : MADHYA PRADESH	155	3061	6602	820	2932	714	14129	--	86696049
MAHARASHTRA										
	1. Bauxite	20	--	429	33	56	3	521	2845481	2342186
									383270 (PR)	72075
	2. Dolomite	4	--	43	14	24	1	82	108956	28722
									20413 (PR)	5818
	3. Fluorite	1	--	32	6	7	--	45	Nil	Nil
	4. Iron	15	--	740	3	88	--	831	773557	645561
									39351 (FN)	37689
									738172 (LM)	1582125
									154483 (PR)	207605
	5. Kyanite	3	--	38	--	2	--	40	8663	2094
	6. Laterite	1	--	23	--	--	--	23	Nil	Nil
	7. Limestone	13	--	633	48	185	6	872	13473695	3522171
									176778 (PR)	43364
	8. Manganese	18	2077	1818	979	2090	387	7351	1541472	6310267
									290365 (PR)	1026372
	9. Ochre	Employment with Limestone Sillimanite and Iron							2013	493

STATEMENT NO. 1.3(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
	10. Silica	10	--	133	56	212	1	402	386899	96708
									112892 (PR)	63363
	11. Sillimanite	4	--	278	13	30	4	325	5614	1677
									48386 (PR)	358072
	12. Stone	12	11	313	3	79	11	417	547214	120336
	TOTAL : MAHARASHTRA	101	2088	4480	1155	2773	413	10909	--	16466698
ORISSA										
	1. Bauxite	5	--	420	1	492	14	927	7073278	3719883
	2. China Clay,clay,white-	1	--	18	25	9	7	59	7341 (PR)	2872
	3. Chromite	25	540	3918	135	5701	421	10715	1802636	8643095
									246471 (FN)	289742
									115911 (LM)	620516
									825625 (PR)	3638935
	4. Dolomite	3	--	143	--	315	13	471	113323	43913
									222793 (PR)	156503
	5. Fire-clay	7	--	134	--	16	--	150	24919	6023
	6. Granite	2	--	59	--	4	--	63	6002	31361
									427 (PR)	3506
	7. Graphite	10	--	112	100	13	--	225	24353	13387
	8. Iron	103	--	10395	1525	9600	780	22300	63786621	52594015
									13611316 (FN)	21132168
									13006392 (LM)	18077449
									14776991 (PR)	9771343
	9. Limestone	17	--	1996	345	1041	88	3470	13077667	1918859
	10. Manganese	35	--	1718	918	2150	250	5036	566453	1205361
									66 (LM)	16
									410698 (PR)	282278
	11. Quartz	6	--	186	25	12	--	223	31502	25699
									1454 (PR)	144
	12. Sillimanite	1	--	114	--	791	66	971	225173 (PR)	245104
	13. Steatite	1	--	18	7	11	--	36	11787	177
	14. Stone	3	--	47	--	7	--	54	26083	22651
									116946 (PR)	39096
	TOTAL : ORISSA	219	540	19278	3081	20162	1639	44700	--	122484095
RAJASTHAN										
	1. Apatite & Rock Phospha	4	--	560	--	307	15	882	113832	150698
									160509 (PR)	128407
	2. Barytes	1	--	11	--	6	--	17	5820	2619
	3. Calcite	2	--	251	83	118	4	456	189552	136556
	4. China Clay,clay,white-	21	--	248	8	75	1	332	843493	393244
	5. Copper	2	894	--	--	276	8	1178	1028661	2042888
	6. Dolomite	Employment with Wollastonite Fire-clay and Steatite							304700	800184
	7. Fire-clay	6	--	110	12	4	--	126	184977	17763
	8. Galena & Sphalarite	14	3455	--	--	1528	68	5051	12019934	18684058
									49384 (PR)	74081

STATEMENT NO. 1.3(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
	9. Granite	Employment with Wollastonite Fire-clay and Steatite							800	132
	10. Gypsum	36	--	175	--	69	--	244	2839331	1800559
	11. Iron	3	--	584	--	350	--	934	4804071	1150
									47620 (LM)	36005
									181932 (PR)	185365
	12. Laterite	1	--	112	--	21	--	133	1720177	276782
	13. Limestone	109	--	8216	616	1254	54	10140	382616696	40779691
									2529293 (FN)	1214061
									48461 (PR)	3595
	14. Manganese	Employment with Wollastonite Fire-clay and Steatite							16700	37975
	15. Marble	15	--	1094	--	299	--	1393	1741962	2170819
	16. Ochre	Employment with Wollastonite Fire-clay and Steatite							930	228
	17. Quartz	3	--	76	1	17	--	94	12333	2457
									186627 (PR)	349067
	18. Sandstone	2	--	189	--	31	--	220	68032	123300
	19. Selenite	3	--	12	--	7	2	21	2105	4210
	20. Silica	6	--	148	15	198	128	489	67226	16855
									195476 (PR)	77772
	21. Steatite	47	280	1834	161	426	120	2821	1112770	1213368
									63433 (PR)	39568
	22. Stone	6	--	257	5	110	1	373	5723871	656481
	23. Wollastonite	3	--	396	90	173	24	683	303966	341349
	TOTAL : RAJASTHAN	284	4629	14273	991	5269	425	25587	--	71761285
TELANGANA										
	1. Barytes	1	--	29	--	3	--	32	5325	2130
	2. Dolomite	1	--	54	--	87	4	145	416644 (PR)	837100
	3. Felspar	2	--	41	--	3	--	44	25320	6380
	4. Granite	9	--	375	1	34	--	410	65467	470927
									8511 (PR)	14344
	5. Limestone	39	--	2009	4	1421	--	3434	36846591	12816023
	6. Quartz	7	--	157	7	11	--	175	225759	64382
	7. Stone	3	--	58	--	4	--	62	32230	8177
	TOTAL : TELANGANA	62	--	2723	12	1563	4	4302	--	14219464
TAMIL NADU										
	1. Bauxite	2	--	21	--	12	--	33	211443	55071
	2. Fire-clay	3	--	47	17	--	11	75	29962	10770
	3. Garnet	5	--	1080	22	20	--	1122	702102	649722
	4. Granite	110	19	3230	27	450	5	3731	281719	3294907
									2809 (PR)	14398
	5. Graphite	1	--	37	--	3	--	40	68834	38554
	6. Limestone	62	--	1942	44	286	--	2272	25402645	11141635
	7. Magnesite	10	--	1008	935	26	4	1973	516815	935263
	8. Quartz	6	--	84	146	2	--	232	8926	6302
									4343 (PR)	9996
	9. Silica	1	--	3	32	3	--	38	6880	2486

STATEMENT NO. 1.3(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
	10. Sillimanite	2	--	1078	--	253	14	1345	138775	43714
	11. Stone	12	--	382	86	95	2	565	1985241	126173
	12. Vermiculite	1	--	15	2	9	1	27	1102	2388
	TOTAL : TAMIL NADU	215	19	8927	1311	1159	37	11453	--	16331380
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	--	109	--	56	--	165	36219	51806
	5. Steatite	33	--	1203	50	145	--	1398	3138520	1658342
									12700 (PR)	7620
	TOTAL : UTTARANCHAL	40	74	1343	50	478	--	1945	--	1725545
UTTAR PRADESH										
	1. Bauxite	4	--	170	49	19	--	238	3664	6468
									16597 (PR)	4171
	2. Granite	3	--	108	--	106	--	214	12048	223240
	3. Limestone	2	--	113	--	26	--	139	5789108	948320
	4. Sandstone	1	--	36	--	2	--	38	404715	96753
	5. Silica	1	--	--	--	2	--	2	Nil	Nil
	6. Stone	Employment with Steatite and Dolomite							17250	1655
	TOTAL : UTTAR PRADESH	13	--	489	49	173	39	750	--	1280606
WEST BENGAL										
	1. Apatite & Rock Phospha	1	--	2	--	70	2	74	Nil	Nil
	2. China Clay,clay,white-	7	--	172	--	138	14	324	51972	20532
									18215 (PR)	1730
	3. Dolomite	1	--	--	--	31	--	31	Nil	Nil
	4. Felspar	1	--	15	--	2	--	17	26634	9295
									2708 (LM)	1312
	5. Fire-clay	1	--	32	--	2	--	34	760	151
	6. Granite	2	--	22	1	1	--	24	40021	14997
	7. Quartz	1	--	42	--	14	--	56	12785	3644
	8. Stone	47	39	601	--	405	19	1064	33497606	1425534
	TOTAL : WEST BENGAL	61	39	886	1	663	35	1624	--	1477195
TOTAL : METALLIFEROUS		2398	13548	106869	9335	59764	4869	194385	--	629814348

* 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. 1.4

AVERAGE DAILY EMPLOYMENT, OUTPUT AND VALUE IN OIL MINES DURING THE YEAR 2015 : STATE-DISTRICT WISE

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
ANDHRA PRADESH																
East Godavari	8	716	1830	1830	--	252	64	40	308	99	6	1061	1500005	36931231	2369555	12279936
ARUNACHAL PRADESH																
Changlang	1	163	225	222	3	14	--	19	15	--	--	177	59376	1318835	19395	11597
ASSAM																
Dibrugarh	5	1949	4196	4172	24	60	73	869	2008	--	--	1186	--	--	5004037	41544682
Jorhat	2	--	187	178	9	15	--	--	21	--	--	151	148509	40480300	43960	800
Sibsagar	14	672	4841	4837	4	1479	58	605	811	--	60	1828	1170935	19582337	1378246	3687499
Cachar	1	--	73	73	--	50	--	--	--	--	--	23	--	--	--	--
TOTAL:ASSAM	22	2621	9297	9260	37	1604	131	1474	2840	--	60	3188	1319444	60062637	6426243	45232981
BIHAR																
Kishanganj	1	--	41	41	--	--	--	34	--	--	1	6	--	--	--	--
GUJARAT																
Ahmedabad	7	1011	2032	2013	19	615	7	5	245	1	2	1157	1341046	28869850	139682	760570
Bharuch	3	311	2137	2137	--	541	--	--	1068	--	--	528	723132	15185772	1	11
Gandhinagar	4	30	64	64	--	14	--	--	32	--	--	18	27748	518378	9555	101210
Kheda	2	104	108	107	1	13	--	9	30	--	--	56	66476	1419140	272746	870771
Mehasana	16	591	4368	4348	20	130	165	747	1746	110	104	1366	2141638	41407856	20655	1731294
Surat	3	91	225	223	2	42	8	--	43	--	6	126	517082	12226540	142465	1286340
Koira	1	20	95	95	--	7	1	--	87	--	--	--	193085	3951121	8830	53035
Anand	8	90	314	305	9	73	--	38	147	1	3	52	306460	10306728	17658	283887
TOTAL:GUJARAT	44	2248	9343	9292	51	1435	181	799	3398	112	115	3303	5316667	113885385	611592	5087118
HIMACHAL PRADESH																
Bilaspur	1	24	43	43	--	8	--	24	--	--	--	11	--	--	--	--
JHARKHAND																
Dhanbad	1	--	7	7	--	4	--	--	--	--	1	2	--	--	2050	296
Hazaribagh	1	--	17	17	--	--	1	14	--	--	1	1	--	--	--	--
Bokaro	6	19	695	695	--	28	2	65	50	7	6	537	--	--	5971	17990
TOTAL:JHARKHAND	8	19	719	719	--	32	3	79	50	7	8	540	--	--	8021	18286
MADHYA PRADESH																
Shahdol	3	41	229	228	1	145	4	1	4	7	10	58	--	--	358947	1431452
PONDICHERRY																
Karaikal	2	302	596	596	--	4	--	--	250	--	--	342	502928	18055158	2	11

STATEMENT NO. 1.4

AVERAGE DAILY EMPLOYMENT, OUTPUT AND VALUE IN OIL MINES DURING THE YEAR 2015 : STATE-DISTRICT WISE

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
RAJASTHAN																
Barmer	7	--	3331	3331	--	35	3	20	188	--	6	3079	11866742	239286027	567622	9109633
Jaisalmer	2	--	55	55	--	18	3	--	12	--	9	13	--	--	30450	94441
Jodhpur	1	--	2	2	--	--	--	--	--	--	--	2	--	--	--	--
TOTAL:RAJASTHAN	10	--	3388	3388	--	53	6	20	200	--	15	3094	11866742	239286027	598072	9204074
TAMIL NADU																
Thanjavur	1	--	2	--	2	--	--	--	--	--	2	--	--	--	--	--
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	166	277	269	8	19	19	17	102	--	3	117	101864	3750735	73141	512804
TRIPURA																
West Tripura	3	34	305	305	--	87	--	50	106	--	7	55	--	--	2306400	6855203
WEST BENGAL																
Birbhum	1	195	298	298	--	7	2	75	9	8	6	191	--	--	863091	4244596
Burdwan	2	1433	1786	1772	14	145	138	60	275	58	6	1104	--	--	202194	149880
Midnapore	1	--	44	44	--	1	--	36	--	--	1	6	--	--	--	--
Nadia	1	34	50	50	--	--	--	15	28	--	1	6	--	--	--	--
TOTAL:WEST BENGAL	5	1662	2178	2164	14	153	140	186	312	66	14	1307	--	--	1065285	4394476
TOTAL: OIL	112	7996	28471	28357	114	3806	548	2743	7585	291	239	13259	20667026	473290008	13836653	85027938

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
2014	906	43	16,997	2,559	589,298	7,789	1,643074	684	201,771	1,260	204,967	92	5,553	792	145,159	13,328	3,064,706
2015	1004	42	12,160	3,000	685,339	8,485	1,784563	666	201,922	1,231	203,192	76	4,897	1,188	343,774	14,668	3,235,847

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : MINERAL-STATEWISE

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING NO.	WINDING H.P.	VENTILATION NO.	VENTILATION H.P.	HAULAGE NO.	HAULAGE H.P.	PUMPING NO.	PUMPING H.P.	MINERAL PLANT NO.	MINERAL PLANT 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	--	--	--	--	--	--	5	73	--	--
	UTTARANCHAL	2	--	--	2	75	6	250	3	53	4	1400
TOTAL : APATITE & ROCK PHOSPHA		5	--	--	3	95	8	270	12	146	4	1400
2. BARYTES												
	ANDHRA PRADESH	2	--	--	--	--	1	20	14	3525	1	150
3. BAUXITE												
	CHHATTISGARH	3	--	--	2	220	--	--	2	220	--	--
	GUJARAT	3	--	--	--	--	5	405	4	35	--	--
	JHARKHAND	4	--	--	--	--	22	302	8	260	10	166
	KARNATAKA	1	--	--	--	--	--	--	--	--	1	100
	MAHARASHTRA	3	--	--	--	--	--	--	19	90	2	227
	ORISSA	1	--	--	--	--	--	--	26	1445	4	1610
TOTAL : BAUXITE		15	--	--	2	220	27	707	59	2050	17	2103
4. CALCITE												
	RAJASTHAN	2	--	--	--	--	--	--	6	33	26	115
5. CHINA CLAY,CLAY,WHITE-CLAY												
	ANDHRA PRADESH	1	--	--	--	--	--	--	2	12	--	--
	GUJARAT	4	1	2	--	--	--	--	8	103	13	108
	JHARKHAND	6	--	--	--	--	--	--	20	350	52	354
	KERALA	8	--	--	--	--	--	--	14	239	87	1139
	ORISSA	1	--	--	--	--	--	--	2	20	--	--
	RAJASTHAN	3	--	--	--	--	--	--	3	24	--	--
	WEST BENGAL	4	--	--	--	--	--	--	15	128	11	822
TOTAL : CHINA CLAY,CLAY,WHITE-		27	1	2	--	--	--	--	64	876	163	2423
6. CHROMITE												
	KARNATAKA	2	3	151	3	56	3	194	3	94	3	16
	ORISSA	19	7	850	6	275	9	365	151	8376	354	12738
TOTAL : CHROMITE		21	10	1001	9	331	12	559	154	8470	357	12754
7. COPPER												
	JHARKHAND	2	4	1467	3	505	2	80	8	500	7	155
	MADHYA PRADESH	1	--	--	--	--	--	--	4	1800	--	--
	RAJASTHAN	2	2	5700	4	931	3	320	5	150	--	--

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
TOTAL : COPPER		5	6	7167	7	1436	5	400	17	2450	7	155
8. DIAMOND												
	MADHYA PRADESH	1	--	--	--	--	--	--	3	268	57	1684
9. DOLOMITE												
	ANDHRA PRADESH	1	--	--	--	--	--	--	2	20	36	495
	CHHATTISGARH	12	1	10	--	--	--	--	31	784	58	2601
	KARNATAKA	2	--	--	--	--	--	--	--	--	--	--
	MADHYA PRADESH	1	--	--	--	--	--	--	4	76	--	--
	MAHARASHTRA	3	--	--	--	--	--	--	3	59	7	82
	ORISSA	2	--	--	--	--	--	--	5	450	15	460
	TELANGANA	1	--	--	--	--	1	100	3	275	--	--
TOTAL : DOLOMITE		22	1	10	--	--	1	100	48	1664	116	3638
10. FELSPAR												
	ANDHRA PRADESH	2	--	--	--	--	--	--	4	163	--	--
11. FLUORITE												
	GUJARAT	1	--	--	--	--	--	--	--	--	--	--
12. GALENA & SPHALARITE												
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	30	--	--
	RAJASTHAN	14	13	7271	37	7068	--	--	77	4499	853	38453
TOTAL : GALENA & SPHALARITE		15	13	7271	37	7068	--	--	78	4529	853	38453
13. GOLD												
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--
	KARNATAKA	4	18	8382	7	1225	--	--	107	2782	2	14740
TOTAL : GOLD		5	18	8382	8	1235	1	10	108	2785	2	14740
14. GRANITE												
	ANDHRA PRADESH	74	3	205	--	--	9	1095	116	2031	59	6164
	KARNATAKA	9	1	40	1	20	--	--	30	440	6	60
	KERALA	10	--	--	7	321	6	34	14	69	19	1659
	ORISSA	1	--	--	--	--	--	--	2	60	--	--
	TELANGANA	4	--	--	--	--	--	--	11	110	--	--
	TAMIL NADU	19	--	--	--	--	--	--	25	257	5	75
	UTTAR PRADESH	3	--	--	--	--	--	--	--	--	--	--
	WEST BENGAL	1	--	--	--	--	--	--	1	7	--	--

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
TOTAL : GRANITE		121	4	245	8	341	15	1129	199	2974	89	7958
15. GRAPHITE												
	JHARKHAND	1	--	--	--	--	--	--	2	10	--	--
	ORISSA	3	--	--	--	--	--	--	5	30	--	--
TOTAL : GRAPHITE		4	--	--	--	--	--	--	7	40	--	--
16. GYPSUM												
	RAJASTHAN	1	--	--	--	--	--	--	--	--	--	--
17. IRON												
	ANDHRA PRADESH	2	--	--	--	--	--	--	2	165	2	220
	CHHATTISGARH	9	--	--	8	180	--	--	124	21675	399	34318
	GOA	37	2	500	--	--	5	240	132	9748	252	78911
	JHARKHAND	13	--	--	--	--	5	53	178	24993	609	58935
	KARNATAKA	28	--	--	--	--	32	280	28	2349	16	6435
	MADHYA PRADESH	6	--	--	--	--	--	--	5	284	1	160
	MAHARASHTRA	3	--	--	--	--	15	1800	11	1894	--	--
	ORISSA	47	--	--	--	--	20	3095	183	14041	1177	72038
	RAJASTHAN	2	--	--	--	--	--	--	3	205	741	55024
TOTAL : IRON		147	2	500	8	180	77	5468	666	75354	3197	306041
18. LATERITE												
	KARNATAKA	1	--	--	--	--	--	--	1	5	--	--
	RAJASTHAN	1	--	--	--	--	--	--	3	210	--	--
TOTAL : LATERITE		2	--	--	--	--	--	--	4	215	--	--
19. LIMESTONE												
	ANDAMAN & NICOBAR IS	1	--	--	--	--	--	--	1	23	--	--
	ANDHRA PRADESH	23	--	--	13	36	13	540	65	2925	42	3132
	BIHAR	2	--	--	--	--	3	450	3	396	2	90
	CHHATTISGARH	18	--	--	--	--	--	--	63	4758	--	--
	GUJARAT	6	--	--	--	--	--	--	1	8	2	1860
	HIMACHAL PRADESH	5	--	--	--	--	1	38	19	1022	6	4738
	JHARKHAND	3	--	--	1	60	1	120	10	415	--	--
	JAMMU & KASHMIR	1	--	--	--	--	--	--	--	--	--	--
	KARNATAKA	12	--	--	--	--	2	40	46	14704	9	9907
	KERALA	2	1	10	1	1	--	--	6	15	21	1672
	MEGHALAYA	2	--	--	--	--	3	370	2	20	--	--
	MADHYA PRADESH	35	--	--	9	33	16	5477	106	7053	65	4445

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	MAHARASHTRA	5	--	--	--	--	--	--	25	1618	4	4634
	ORISSA	13	--	--	--	--	--	--	46	2110	112	9162
	RAJASTHAN	63	7	169	3	17	33	899	165	5587	202	21982
	TELANGANA	28	9	3002	--	--	23	1195	121	5098	1	20
	TAMIL NADU	48	4	50	1	40	8	1148	121	5586	254	10825
TOTAL : LIMESTONE		267	21	3231	28	187	103	10277	800	51338	720	72467
20. MAGNESITE												
	KARNATAKA	2	--	--	--	--	--	--	4	81	9	273
	TAMIL NADU	5	--	--	--	--	--	--	7	155	--	--
	UTTARANCHAL	1	--	--	--	--	--	--	--	--	--	--
TOTAL : MAGNESITE		8	--	--	--	--	--	--	11	236	9	273
21. MANGANESE												
	ANDHRA PRADESH	22	--	--	--	--	--	--	54	1042	--	--
	GOA	4	--	--	--	--	--	--	4	25	2	10
	JHARKHAND	1	--	--	--	--	--	--	2	3	1	479
	KARNATAKA	3	--	--	--	--	--	--	23	296	--	--
	MADHYA PRADESH	25	11	1360	16	790	37	1183	106	5752	115	2012
	MAHARASHTRA	14	10	1820	15	840	15	580	82	5721	11	960
	ORISSA	9	--	--	--	--	--	--	24	1215	3	303
TOTAL : MANGANESE		78	21	3180	31	1630	52	1763	295	14054	132	3764
22. MARBLE												
	GUJARAT	4	--	--	--	--	--	--	50	204	57	2273
	MADHYA PRADESH	3	--	--	--	--	--	--	14	290	3	700
	RAJASTHAN	10	--	--	--	--	--	--	147	1181	13	113
TOTAL : MARBLE		17	--	--	--	--	--	--	211	1675	73	3086
23. MICA												
	ANDHRA PRADESH	21	10	135	22	233	18	242	45	452	12	133
	BIHAR	1	--	--	1	10	--	--	1	10	--	--
	JHARKHAND	1	1	10	--	--	--	--	--	--	--	--
TOTAL : MICA		23	11	145	23	243	18	242	46	462	12	133
24. QUARTZ												
	ANDHRA PRADESH	1	--	--	--	--	--	--	1	10	--	--
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	TELANGANA	1	--	--	--	--	--	--	1	10	--	--
	WEST BENGAL	1	--	--	--	--	--	--	2	10	--	--
TOTAL : QUARTZ		4	--	--	1	10	1	10	5	33	--	--
25. SANDSTONE												
	ANDHRA PRADESH	1	--	--	--	--	--	--	121	5850	340	3744
	JHARKHAND	2	--	--	--	--	--	--	2	42	1	20
	RAJASTHAN	1	--	--	--	--	--	--	--	--	3	30
TOTAL : SANDSTONE		4	--	--	--	--	--	--	123	5892	344	3794
26. SELENITE												
	RAJASTHAN	2	--	--	--	--	--	--	--	--	--	--
27. SILICA												
	HARYANA	4	--	--	--	--	--	--	64	408	4	470
	MAHARASHTRA	6	--	--	--	--	--	--	2	10	80	1358
	RAJASTHAN	4	--	--	--	--	--	--	13	145	14	1045
	UTTAR PRADESH	1	--	--	--	--	--	--	3	101	--	--
TOTAL : SILICA		15	--	--	--	--	--	--	82	664	98	2873
28. SILLIMANITE												
	ANDHRA PRADESH	1	--	--	--	--	--	--	100	3310	260	3172
	KERALA	1	--	--	--	--	--	--	65	100	360	4000
	MAHARASHTRA	2	--	--	--	--	--	--	1	5	277	1617
TOTAL : SILLIMANITE		4	--	--	--	--	--	--	166	3415	897	8789
29. STEATITE												
	ANDHRA PRADESH	3	--	--	1	10	1	5	3	38	--	--
	JHARKHAND	1	--	--	--	--	--	--	1	40	--	--
	ORISSA	1	--	--	--	--	--	--	2	3	--	--
	RAJASTHAN	17	--	--	1	10	7	105	32	1391	6	524
TOTAL : STEATITE		22	--	--	2	20	8	110	38	1472	6	524
30. STONE												
	ANDHRA PRADESH	4	--	--	--	--	--	--	19	480	12	489
	BIHAR	3	--	--	--	--	--	--	13	255	21	177
	GOA	4	--	--	--	--	2	144	5	32	--	--
	GUJARAT	3	--	--	--	--	1	8	6	155	19	327

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	HARYANA	1	--	--	--	--	--	--	--	--	--	--
	JHARKHAND	41	1	40	1	10	--	--	27	429	13	2455
	KARNATAKA	1	--	--	--	--	--	--	--	--	--	--
	KERALA	4	--	--	--	--	--	--	2	200	7	694
	MAHARASHTRA	2	--	--	--	--	--	--	--	--	--	--
	ORISSA	1	--	--	--	--	--	--	1	40	--	--
	RAJASTHAN	1	--	--	--	--	--	--	2	20	--	--
	TAMIL NADU	1	--	--	--	--	--	--	--	--	2	80
	WEST BENGAL	30	--	--	--	--	--	--	43	503	29	3493
TOTAL : STONE		96	1	40	1	10	3	152	118	2114	103	7715
31. WOLLASTONITE												
	RAJASTHAN	2	--	--	--	--	--	--	--	--	5	12
TOTAL : METALLIFEROUS		940	109	31174	168	13006	332	21217	3338	186897	7288	495044

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STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
1. APATITE & ROCK PHOSPHATE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	7	60
	RAJASTHAN	--	--	--	--	--	--	20	16364	25	16437
	UTTARANCHAL	3	9	4	20	--	--	--	--	22	1807
TOTAL : APATITE & ROCK PHOSPHA		3	9	4	20	--	--	20	16364	54	18304
2. BARYTES											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	16	3695
3. BAUXITE											
	CHHATTISGARH	3	330	--	--	--	--	--	--	7	770
	GUJARAT	--	--	1	90	--	--	2	152	12	682
	JHARKHAND	2	6	--	--	--	--	2	15	44	749
	KARNATAKA	--	--	--	--	--	--	--	--	1	100
	MAHARASHTRA	20	1200	--	--	2	79	24	279	67	1875
	ORISSA	1	200	--	--	21	5700	12	641	64	9596
TOTAL : BAUXITE		26	1736	1	90	23	5779	40	1087	195	13772

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : MINERAL-STATEWISE

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER	WINDING NO.	WINDING H.P.	VENTILATION NO.	VENTILATION H.P.	HAULAGE NO.	HAULAGE H.P.	PUMPING NO.	PUMPING H.P.	MINERAL PLANT NO.	MINERAL PLANT H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
4.	CALCITE											
	RAJASTHAN	3	40	--	--	--	--	--	--	--	35	188
5.	CHINA CLAY,CLAY,WHITE-CLAY											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	2	12
	GUJARAT	8	68	--	--	--	--	7	50		37	331
	JHARKHAND	--	--	--	--	--	--	--	--		72	704
	KERALA	15	78	--	--	--	--	12	41		128	1497
	ORISSA	--	--	--	--	--	--	1	15		3	35
	RAJASTHAN	--	--	--	--	--	--	--	--		3	24
	WEST BENGAL	2	5	--	--	--	--	6	419		34	1374
TOTAL :	CHINA CLAY,CLAY,WHITE-	25	151	--	--	--	--	26	525		279	3977
6.	CHROMITE											
	KARNATAKA	5	7	--	--	--	--	1	125		21	643
	ORISSA	43	527	--	--	--	--	45	3358		615	26489
TOTAL :	CHROMITE	48	534	--	--	--	--	46	3483		636	27132
7.	COPPER											
	JHARKHAND	22	305	8	2000	--	--	3	15		57	5027
	MADHYA PRADESH	47	743	--	--	--	--	6	3300		57	5843
	RAJASTHAN	28	472	--	--	--	--	31	10086		73	17659
TOTAL :	COPPER	97	1520	8	2000	--	--	40	13401		187	28529
8.	DIAMOND											
	MADHYA PRADESH	9	146	--	--	--	--	--	--		69	2098
9.	DOLOMITE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--		38	515
	CHHATTISGARH	3	129	--	--	--	--	--	--		93	3524
	KARNATAKA	--	--	2	42	--	--	1	42		3	84
	MADHYA PRADESH	--	--	--	--	--	--	--	--		4	76
	MAHARASHTRA	--	--	--	--	--	--	--	--		10	141
	ORISSA	12	80	--	--	--	--	--	--		32	990
	TELANGANA	12	80	--	--	--	--	28	1729		44	2184
TOTAL :	DOLOMITE	27	289	2	42	--	--	29	1771		224	7514
10.	FELSPAR											

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	ANDHRA PRADESH	--	--	--	--	--	--	1	1	5	164	
11.	FLUORITE											
	GUJARAT	--	--	3	520	--	--	--	--	3	520	
12.	GALENA & SPHALARITE											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	30	
	RAJASTHAN	55	832	18	4754	--	--	520	17272	1573	80149	
TOTAL :	GALENA & SPHALARITE	55	832	18	4754	--	--	520	17272	1574	80179	
13.	GOLD											
	JHARKHAND	1	1	--	--	--	--	--	--	4	24	
	KARNATAKA	11	1297	--	--	--	--	19	11495	164	39921	
TOTAL :	GOLD	12	1298	--	--	--	--	19	11495	168	39945	
14.	GRANITE											
	ANDHRA PRADESH	70	966	18	2712	--	--	171	6874	446	20047	
	KARNATAKA	11	72	35	3240	--	--	14	790	98	4662	
	KERALA	5	6	--	--	--	--	6	370	57	2459	
	ORISSA	--	--	--	--	--	--	3	175	5	235	
	TELANGANA	--	--	--	--	--	--	2	120	13	230	
	TAMIL NADU	--	--	7	590	--	--	37	4133	74	5055	
	UTTAR PRADESH	3	540	--	--	--	--	2	360	5	900	
	WEST BENGAL	--	--	--	--	--	--	--	--	1	7	
TOTAL :	GRANITE	89	1584	60	6542	--	--	235	12822	699	33595	
15.	GRAPHITE											
	JHARKHAND	--	--	--	--	--	--	--	--	2	10	
	ORISSA	--	--	--	--	--	--	--	--	5	30	
TOTAL :	GRAPHITE	--	--	--	--	--	--	--	--	7	40	
16.	GYPSUM											
	RAJASTHAN	--	--	--	--	--	--	1	35	1	35	
17.	IRON											
	ANDHRA PRADESH	--	--	--	--	--	--	1	76	5	461	
	CHHATTISGARH	208	3260	--	--	--	--	51	4483	790	63916	
	GOA	84	3380	--	--	--	--	74	11949	549	104728	
	JHARKHAND	105	3208	5	330	--	--	13	838	915	88357	
	KARNATAKA	3	57	3	480	7	140	42	29303	131	39044	

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	MADHYA PRADESH	--	--	--	--	--	--	--	--	--	6	444
	MAHARASHTRA	--	--	--	--	--	--	--	--	--	26	3694
	ORISSA	114	1288	10	1665	--	--	--	828	85886	2332	178013
	RAJASTHAN	--	--	--	--	--	--	--	--	--	744	55229
TOTAL : IRON		514	11193	18	2475	7	140	1009	132535		5498	533886
18. LATERITE												
	KARNATAKA	--	--	--	--	5	70	12	235		18	310
	RAJASTHAN	--	--	--	--	--	--	5	852		8	1062
TOTAL : LATERITE		--	--	--	--	5	70	17	1087		26	1372
19. LIMESTONE												
	ANDAMAN & NICOBAR IS	--	--	--	--	--	--	--	--	--	1	23
	ANDHRA PRADESH	21	183	3	115	3	556	168	11031		328	18518
	BIHAR	2	117	--	--	--	--	--	--		10	1053
	CHHATTISGARH	48	503	2	50	--	--	111	18352		224	23663
	GUJARAT	4	6	1	180	1	1719	6	247		15	4020
	HIMACHAL PRADESH	13	71	--	--	--	--	--	--		39	5869
	JHARKHAND	11	170	3	569	--	--	--	--		26	1334
	JAMMU & KASHMIR	--	--	--	--	--	--	1	3		1	3
	KARNATAKA	7	7199	--	--	--	--	14	7180		78	39030
	KERALA	7	63	--	--	--	--	1	30		37	1791
	MEGHALAYA	3	965	--	--	--	--	1	844		9	2199
	MADHYA PRADESH	88	470	3	35	--	--	138	31771		425	49284
	MAHARASHTRA	13	81	--	--	--	--	5	194		47	6527
	ORISSA	5	35	--	--	--	--	111	5474		274	16781
	RAJASTHAN	67	858	7	183	--	--	554	37077		1038	66772
	TELANGANA	46	768	3	170	--	--	47	4015		250	14268
	TAMIL NADU	12	112	1	5	--	--	43	2240		444	20006
TOTAL : LIMESTONE		347	11601	23	1307	4	2275	1200	118458		3246	271141
20. MAGNESITE												
	KARNATAKA	3	27	1	169	--	--	--	--		17	550
	TAMIL NADU	17	88	--	--	--	--	9	26		33	269
	UTTARANCHAL	--	--	--	--	--	--	9	280		9	280
TOTAL : MAGNESITE		20	115	1	169	--	--	18	306		59	1099
21. MANGANESE												
	ANDHRA PRADESH	--	--	--	--	--	--	--	--		54	1042
	GOA	--	--	--	--	--	--	3	80		9	115

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	JHARKHAND	1	100	--	--	--	--	--	--	--	4	582
	KARNATAKA	20	71	--	--	--	--	--	--	--	43	367
	MADHYA PRADESH	31	303	5	370	--	--	23	15870		344	27640
	MAHARASHTRA	30	282	13	2790	--	--	17	2428		193	15421
	ORISSA	--	--	--	--	--	--	--	--	--	27	1518
TOTAL : MANGANESE		82	756	18	3160	--	--	43	18378		674	46685
22. MARBLE												
	GUJARAT	25	104	17	540	--	--	93	3640		242	6761
	MADHYA PRADESH	--	--	2	120	--	--	16	486		35	1596
	RAJASTHAN	31	375	45	2860	--	--	192	7721		428	12250
TOTAL : MARBLE		56	479	64	3520	--	--	301	11847		705	20607
23. MICA												
	ANDHRA PRADESH	7	12	7	410	--	--	16	317		137	1934
	BIHAR	--	--	--	--	--	--	--	--	--	2	20
	JHARKHAND	--	--	--	--	--	--	--	--	--	1	10
TOTAL : MICA		7	12	7	410	--	--	16	317		140	1964
24. QUARTZ												
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	1	10
	JHARKHAND	1	1	--	--	--	--	--	--	--	4	24
	TELANGANA	--	--	--	--	--	--	--	--	--	1	10
	WEST BENGAL	--	--	--	--	--	--	--	--	--	2	10
TOTAL : QUARTZ		1	1	--	--	--	--	--	--	--	8	54
25. SANDSTONE												
	ANDHRA PRADESH	22	254	--	--	--	--	1	455		484	10303
	JHARKHAND	--	--	--	--	--	--	--	--	--	3	62
	RAJASTHAN	3	104	--	--	--	--	2	30		8	164
TOTAL : SANDSTONE		25	358	--	--	--	--	3	485		495	10529
26. SELENITE												
	RAJASTHAN	--	--	--	--	--	--	2	10		2	10
27. SILICA												
	HARYANA	6	10	--	--	--	--	1	10		75	898
	MAHARASHTRA	24	60	--	--	--	--	3	482		109	1910

STATEMENT NO. 2.2

USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015 : 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
	RAJASTHAN	--	--	--	--	28	120	20	420	75	1730	
	UTTAR PRADESH	--	--	--	--	--	--	--	--	3	101	
TOTAL : SILICA		30	70	--	--	28	120	24	912	262	4639	
28. SILLIMANITE												
	ANDHRA PRADESH	20	228	--	--	--	--	10	390	390	7100	
	KERALA	--	--	--	--	--	--	--	--	425	4100	
	MAHARASHTRA	10	22	--	--	--	--	7	27	295	1671	
TOTAL : SILLIMANITE		30	250	--	--	--	--	17	417	1110	12871	
29. STEATITE												
	ANDHRA PRADESH	--	--	--	--	--	--	3	413	8	466	
	JHARKHAND	--	--	--	--	--	--	--	--	1	40	
	ORISSA	--	--	--	--	--	--	--	--	2	3	
	RAJASTHAN	5	86	2	70	--	--	14	1415	67	3601	
TOTAL : STEATITE		5	86	2	70	--	--	17	1828	78	4110	
30. STONE												
	ANDHRA PRADESH	--	--	--	--	--	--	28	136	59	1105	
	BIHAR	--	--	1	50	--	--	--	--	35	482	
	GOA	1	72	--	--	--	--	12	1530	20	1778	
	GUJARAT	3	18	2	130	--	--	24	262	55	900	
	HARYANA	--	--	--	--	--	--	9	1620	9	1620	
	JHARKHAND	11	615	3	276	--	--	17	675	73	4500	
	KARNATAKA	--	--	--	--	--	--	6	99	6	99	
	KERALA	2	305	--	--	--	--	3	205	14	1404	
	MAHARASHTRA	10	20	--	--	--	--	1	30	11	50	
	ORISSA	--	--	--	--	--	--	--	--	1	40	
	RAJASTHAN	--	--	--	--	--	--	9	25	11	45	
	TAMIL NADU	--	--	--	--	--	--	--	--	2	80	
	WEST BENGAL	9	62	2	20	--	--	5	267	88	4345	
TOTAL : STONE		36	1092	8	476	--	--	114	4849	384	16448	
31. WOLLASTONITE												
	RAJASTHAN	4	7	--	--	--	--	15	233	24	252	
TOTAL : METALLIFEROUS		1551	34159	237	25555	67	8384	3773	369918	16863	1185354	

STATEMENT NO. 2.3

USAGE OF MACHINERY IN BELOW GROUND IN METALLIFEROUS MINES DURING THE YEAR 2015

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	--	--	5	1103	11	280	9	450	--	--	2	30	14	5376	41	7239
TOTAL : CHROMITE		4	--	--	5	1103	15	376	9	450	--	--	2	30	14	5376	45	7335
4. COPPER																		
	JHARKHAND	3	6	510	--	--	12	225	38	2249	8	395	18	340	9	375	91	4094
	RAJASTHAN	2	11	3881	9	1242	38	1040	13	1980	1	25	16	235	21	1588	109	9991
TOTAL : COPPER		5	17	4391	9	1242	50	1265	51	4229	9	420	34	575	30	1963	200	14085
5. GALENA & SPHALARITE																		
	ANDHRA PRADESH	1	--	--	1	75	1	50	2	60	--	--	--	--	--	--	4	185
	RAJASTHAN	9	4	1244	6	726	67	7568	122	7214	23	3135	4	360	126	17603	352	37850
TOTAL : GALENA & SPHALARITE		10	4	1244	7	801	68	7618	124	7274	23	3135	4	360	126	17603	356	38035
6. GOLD																		
	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45
	KARNATAKA	2	9	1896	7	515	19	240	59	3793	1	15	28	320	13	601	136	7380
	UTTARANCHAL	1	--	--	--	--	1	3	--	--	--	--	--	--	--	--	1	3
TOTAL : GOLD		4	9	1896	8	525	21	253	61	3818	1	15	28	320	13	601	141	7428
7. LIMESTONE																		
	JHARKHAND	1	--	--	--	--	--	--	9	748	--	--	--	--	--	--	9	748
8. MANGANESE																		
	MADHYA PRADESH	7	4	560	18	415	11	51	49	3570	--	--	16	320	10	60	108	4976
	MAHARASHTRA	9	--	--	5	170	9	70	67	6461	1	65	2	10	9	174	93	6950
TOTAL : MANGANESE		16	4	560	23	585	20	121	116	10031	1	65	18	330	19	234	201	11926
9. MICA																		
	ANDHRA PRADESH	5	3	35	2	15	2	10	27	251	--	--	--	--	1	2	35	313
	BIHAR	1	--	--	--	--	--	--	2	20	--	--	--	--	--	--	2	20
	JHARKHAND	1	--	--	--	--	--	--	2	10	--	--	--	--	--	--	2	10
TOTAL : MICA		7	3	35	2	15	2	10	31	281	--	--	--	--	1	2	39	343
10. STEATITE																		
	RAJASTHAN	2	--	--	--	--	--	--	13	171	--	--	--	--	--	--	13	171
11. STONE																		
	WEST BENGAL	1	--	--	--	--	--	--	3	33	--	--	--	--	--	--	3	33
TOTAL : METALLIFEROUS		53	38	8246	55	4321	178	9708	421	27285	37	3685	86	1615	203	25779	1018	80639

STATEMENT NO. 2.4
USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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												
	MADHYA PRADESH	1	--	--	--	--	2	200	--	--	--	--
	RAJASTHAN	3	--	--	4	774	20	4220	1	180	--	--
TOTAL : APATITE & ROCK PHOSPHA		4	--	--	4	774	22	4420	1	180	--	--
2. BARYTES												
	ANDHRA PRADESH	2	--	--	11	1519	55	1420	2	662	--	--
	RAJASTHAN	1	--	--	1	250	--	--	--	--	--	--
TOTAL : BARYTES		3	--	--	12	1769	55	1420	2	662	--	--
3. BAUXITE												
	CHHATTISGARH	6	--	--	33	5293	70	10221	2	360	7	852
	GUJARAT	9	--	--	5	728	13	1194	1	92	10	769
	JHARKHAND	17	--	--	37	6508	109	17395	1	76	13	1468
	KARNATAKA	1	--	--	3	490	6	855	--	--	2	270
	MADHYA PRADESH	1	--	--	1	184	4	720	--	--	--	--
	MAHARASHTRA	10	--	--	18	3560	44	5875	1	413	13	1995
	ORISSA	3	--	--	12	2646	51	4331	10	3296	11	766
TOTAL : BAUXITE		47	--	--	109	19409	297	40591	15	4237	56	6120
4. CALCITE												
	RAJASTHAN	2	--	--	2	240	9	1340	2	360	7	724
5. CHINA CLAY,CLAY,WHITE-CLAY												
	GUJARAT	3	--	--	2	228	12	1675	--	--	1	50
	JHARKHAND	1	--	--	--	--	2	67	--	--	1	72
	KERALA	1	--	--	1	88	2	258	--	--	--	--
	RAJASTHAN	6	--	--	7	925	30	4500	--	--	5	375
TOTAL : CHINA CLAY,CLAY,WHITE-		11	--	--	10	1241	46	6500	--	--	7	497
6. CHROMITE												
	ORISSA	18	--	--	76	17017	472	72299	72	8744	40	3886
7. COPPER												
	MADHYA PRADESH	1	--	--	10	9810	20	10000	5	2000	5	2000
	RAJASTHAN	2	--	--	--	--	2	220	--	--	12	960
TOTAL : COPPER		3	--	--	10	9810	22	10220	5	2000	17	2960
8. DIAMOND												
	MADHYA PRADESH	1	--	--	3	716	6	3446	3	960	2	506
9. DOLOMITE												

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
	CHHATTISGARH	3	--	--	6	1415	27	4510	3	1010	20	3800
	MAHARASHTRA	1	--	--	1	130	4	490	--	--	1	124
	ORISSA	3	--	--	6	839	30	5242	--	--	5	676
	UTTAR PRADESH	1	--	--	1	140	2	300	--	--	--	--
TOTAL : DOLOMITE		8	--	--	14	2524	63	10542	3	1010	26	4600
10. FLUORITE												
	GUJARAT	1	--	--	3	510	--	--	2	540	--	--
11. GALENA & SPHALARITE												
	RAJASTHAN	3	--	--	--	--	17	7226	4	367	10	3271
12. GOLD												
	KARNATAKA	1	--	--	--	--	1	125	--	--	--	--
13. GRANITE												
	ANDHRA PRADESH	88	6	1380	231	53534	190	47940	11	2952	15	3699
	GOA	1	--	--	2	268	--	--	--	--	--	--
	KARNATAKA	11	--	--	56	10133	59	9837	3	350	11	1590
	KERALA	18	--	--	36	5669	40	5481	--	--	3	252
	MADHYA PRADESH	1	--	--	9	2248	15	2310	1	160	1	355
	ORISSA	1	--	--	3	555	5	735	--	--	--	--
	TELANGANA	4	--	--	9	1431	3	740	--	--	--	--
	TAMIL NADU	69	--	--	95	19338	129	15264	4	697	2	1085
	UTTAR PRADESH	3	--	--	9	2624	6	1255	3	960	--	--
TOTAL : GRANITE		196	6	1380	450	95800	447	83562	22	5119	32	6981
14. GRAPHITE												
	JHARKHAND	1	--	--	--	--	--	--	--	--	--	--
	ORISSA	1	--	--	--	--	2	200	--	--	--	--
TOTAL : GRAPHITE		2	--	--	--	--	2	200	--	--	--	--
15. GYPSUM												
	RAJASTHAN	6	--	--	8	1103	--	--	--	--	--	--
16. IRON												
	ANDHRA PRADESH	2	--	--	8	1716	34	5462	--	--	3	400
	CHHATTISGARH	13	20	9150	66	21254	294	90067	53	22980	25	7147
	GOA	38	--	--	106	22982	530	69031	46	16584	87	18268
	JHARKHAND	13	--	--	47	13553	75	39574	26	9471	31	9776
	KARNATAKA	62	--	--	258	51368	802	143131	15	3706	188	24209
	MADHYA PRADESH	9	--	--	27	3745	47	7334	1	410	9	1044
	MAHARASHTRA	12	--	--	44	8920	206	33356	16	4411	28	3414
	ORISSA	53	--	--	360	67449	740	151424	57	17340	213	27422
	RAJASTHAN	1	--	--	4	778	30	3600	--	--	3	372

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
TOTAL : IRON		203	20	9150	920	191765	2758	542979	214	74902	587	92052
17. LATERITE												
	ANDHRA PRADESH	8	--	--	13	3381	31	6661	1	460	--	--
	GUJARAT	2	--	--	1	128	8	1490	--	--	--	--
	KARNATAKA	2	--	--	5	739	12	1658	1	200	4	475
	RAJASTHAN	1	--	--	7	1040	26	4920	2	720	--	--
TOTAL : LATERITE		13	--	--	26	5288	77	14729	4	1380	4	475
18. LIMESTONE												
	ANDAMAN & NICOBAR IS	1	--	--	1	106	2	344	--	--	--	--
	ANDHRA PRADESH	32	--	--	94	28655	269	83135	24	6985	24	4529
	ASSAM	4	--	--	4	600	22	1150	1	155	1	96
	BIHAR	1	--	--	3	350	20	3000	2	400	1	150
	CHHATTISGARH	12	--	--	47	21037	139	60511	19	7142	14	3971
	GUJARAT	19	1	180	53	16139	260	53290	16	5510	33	6158
	HIMACHAL PRADESH	11	--	--	54	18857	119	41092	16	4354	10	1839
	JHARKHAND	3	--	--	7	2333	12	7238	3	945	1	305
	JAMMU & KASHMIR	1	--	--	2	250	2	320	1	320	--	--
	KARNATAKA	25	--	--	87	27652	274	127525	40	21440	53	13068
	KERALA	1	--	--	4	1492	16	2270	--	--	--	--
	MEGHALAYA	8	--	--	17	4161	68	17519	6	1269	1	320
	MADHYA PRADESH	39	--	--	156	36780	396	86299	40	10012	26	6768
	MAHARASHTRA	7	--	--	22	7606	78	28236	13	5122	4	1103
	ORISSA	7	--	--	40	11316	123	35945	5	1690	7	987
	RAJASTHAN	72	--	--	199	50016	799	147373	45	13339	49	6823
	TELANGANA	27	2	405	70	16812	193	53072	19	5846	15	4391
	TAMIL NADU	42	--	--	119	22859	293	51534	26	8073	25	3279
	UTTAR PRADESH	2	--	--	8	2945	54	13275	3	924	--	--
TOTAL : LIMESTONE		314	3	585	987	269966	3139	813128	279	93526	264	53787
19. MAGNESITE												
	KARNATAKA	2	--	--	2	390	7	835	--	--	1	118
	TAMIL NADU	4	--	--	11	1619	54	11030	3	820	9	1335
	UTTARANCHAL	1	--	--	3	330	2	300	--	--	1	150
TOTAL : MAGNESITE		7	--	--	16	2339	63	12165	3	820	11	1603
20. MANGANESE												
	ANDHRA PRADESH	7	--	--	11	1332	17	1259	2	420	6	807
	GOA	2	--	--	6	698	57	4514	--	--	--	--
	GUJARAT	2	--	--	5	1466	3	530	--	--	--	--
	JHARKHAND	1	--	--	2	503	4	620	--	--	4	440
	KARNATAKA	6	--	--	23	1034	74	1714	1	200	14	1056
	MADHYA PRADESH	15	--	--	16	2898	82	13346	4	1100	19	2029
	MAHARASHTRA	2	--	--	4	848	53	6880	2	550	4	995

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
	ORISSA	13	--	--	50	8802	153	29338	9	1395	14	1862
TOTAL : MANGANESE		48	--	--	117	17581	443	58201	18	3665	61	7189
21. MARBLE												
	GUJARAT	3	--	--	14	2673	23	3318	--	--	7	672
	MADHYA PRADESH	3	--	--	4	893	9	1775	--	--	6	1115
	RAJASTHAN	8	13	1045	39	9107	48	15689	2	345	15	4492
TOTAL : MARBLE		14	13	1045	57	12673	80	20782	2	345	28	6279
22. MICA												
	ANDHRA PRADESH	2	--	--	2	113	--	--	--	--	--	--
23. QUARTZ												
	TELANGANA	2	--	--	2	450	10	1100	--	--	--	--
	WEST BENGAL	1	--	--	--	--	2	260	--	--	--	--
TOTAL : QUARTZ		3	--	--	2	450	12	1360	--	--	--	--
24. SANDSTONE												
	HARYANA	1	--	--	2	400	--	--	--	--	--	--
	RAJASTHAN	1	--	--	2	262	30	3516	--	--	--	--
	UTTAR PRADESH	1	--	--	--	--	10	1082	--	--	1	110
TOTAL : SANDSTONE		3	--	--	4	662	40	4598	--	--	1	110
25. SILICA												
	GUJARAT	1	--	--	1	160	5	800	--	--	--	--
	HARYANA	4	--	--	6	980	22	3400	--	--	3	440
	MAHARASHTRA	3	--	--	3	542	--	--	--	--	2	200
	RAJASTHAN	3	--	--	4	440	32	3520	--	--	9	660
TOTAL : SILICA		11	--	--	14	2122	59	7720	--	--	14	1300
26. SILLIMANITE												
	ANDHRA PRADESH	1	--	--	10	1200	40	7000	3	500	8	600
	MAHARASHTRA	1	--	--	--	--	10	2200	--	--	8	880
TOTAL : SILLIMANITE		2	--	--	10	1200	50	9200	3	500	16	1480
27. STEATITE												
	ANDHRA PRADESH	1	--	--	1	350	--	--	--	--	--	--
	MADHYA PRADESH	1	--	--	--	--	1	50	--	--	--	--
	ORISSA	1	--	--	1	115	2	80	--	--	--	--
	RAJASTHAN	9	--	--	13	2922	65	11688	1	180	12	1025

STATEMENT NO. 2.4
USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
TOTAL : STEATITE		12	--	--	15	3387	68	11818	1	180	12	1025
28. STONE												
	ANDHRA PRADESH	8	--	--	14	2262	18	3450	2	552	5	523
	BIHAR	1	--	--	--	--	23	4986	--	--	--	--
	GOA	4	--	--	9	1005	--	--	--	--	1	96
	GUJARAT	1	--	--	2	250	9	1112	--	--	1	112
	HARYANA	4	--	--	24	7532	38	10855	4	815	4	496
	JHARKHAND	20	--	--	11	1466	23	2756	--	--	4	285
	KARNATAKA	1	--	--	2	393	1	143	1	183	--	--
	KERALA	10	--	--	23	3564	22	2920	--	--	1	90
	MAHARASHTRA	4	--	--	16	4868	39	10520	2	610	12	3715
	ORISSA	2	--	--	4	926	2	500	--	--	--	--
	RAJASTHAN	2	--	--	--	--	3	180	1	100	--	--
	TAMIL NADU	5	--	--	9	1849	23	3560	--	--	1	130
	WEST BENGAL	1	--	--	10	2125	17	2500	--	--	3	2500
TOTAL : STONE		63	--	--	124	26240	218	43482	10	2260	32	7947
29. WOLLASTONITE												
	RAJASTHAN	3	--	--	5	640	19	2510	1	165	4	400
TOTAL : METALLIFEROUS		1004	42	12160	3000	685339	8485	1784563	666	201922	1231	203192

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STATEMENT NO. 2.4 (Continued)
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USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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											
	MADHYA PRADESH	--	--	--	--	--	--	--	--	2	200
	RAJASTHAN	--	--	--	--	--	--	22	47349	47	52523
TOTAL : APATITE & ROCK PHOSPHA		--	--	--	--	--	--	22	47349	49	52723
2. BARYTES											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	68	3601
	RAJASTHAN	--	--	--	--	--	--	--	--	1	250
TOTAL : BARYTES		--	--	--	--	--	--	--	--	69	3851

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
3.	BAUXITE											
	CHHATTISGARH	--	--	--	--	--	--	--	5	550	117	17276
	GUJARAT	4	360	--	--	--	--	--	2	135	35	3278
	JHARKHAND	--	--	--	--	--	--	--	9	1039	169	26486
	KARNATAKA	--	--	--	--	--	--	--	--	--	11	1615
	MADHYA PRADESH	--	--	--	--	--	--	--	--	--	5	904
	MAHARASHTRA	--	--	--	--	--	--	--	20	2351	96	14194
	ORISSA	--	--	--	--	4	665	7	920	95	12624	
TOTAL : BAUXITE		4	360	--	--	4	665	43	4995	528	76377	
4.	CALCITE											
	RAJASTHAN	--	--	--	--	--	--	--	--	20	2664	
5.	CHINA CLAY,CLAY,WHITE-CLAY											
	GUJARAT	4	180	--	--	--	--	4	180	23	2313	
	JHARKHAND	--	--	--	--	--	--	--	--	3	139	
	KERALA	--	--	--	--	--	--	--	--	3	346	
	RAJASTHAN	1	40	--	--	--	--	--	--	43	5840	
TOTAL : CHINA CLAY,CLAY,WHITE-		5	220	--	--	--	--	4	180	72	8638	
6.	CHROMITE											
	ORISSA	1	40	--	--	11	1290	48	5825	720	109101	
7.	COPPER											
	MADHYA PRADESH	--	--	--	--	--	--	10	8000	50	31810	
	RAJASTHAN	1	50	--	--	--	--	--	--	15	1230	
TOTAL : COPPER		1	50	--	--	--	--	10	8000	65	33040	
8.	DIAMOND											
	MADHYA PRADESH	--	--	--	--	1	145	--	--	15	5773	
9.	DOLOMITE											
	CHHATTISGARH	--	--	--	--	2	600	6	2050	64	13385	
	MAHARASHTRA	--	--	--	--	--	--	--	--	6	744	
	ORISSA	--	--	--	--	--	--	--	--	41	6757	
	UTTAR PRADESH	--	--	--	--	--	--	--	--	3	440	
TOTAL : DOLOMITE		--	--	--	--	2	600	6	2050	114	21326	
10.	FLUORITE											
	GUJARAT	--	--	--	--	--	--	--	--	5	1050	
11.	GALENA & SPHALARITE											

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
	RAJASTHAN	--	--	--	--	--	--	--	10	1540	41	12404
12. GOLD												
	KARNATAKA	--	--	--	--	--	--	--	--	--	1	125
13. GRANITE												
	ANDHRA PRADESH	2	350	--	--	--	--	--	106	10945	561	120800
	GOA	--	--	--	--	--	--	--	--	--	2	268
	KARNATAKA	4	260	--	--	--	--	--	10	811	143	22981
	KERALA	1	45	--	--	--	--	--	9	780	89	12227
	MADHYA PRADESH	--	--	--	--	--	--	--	3	330	29	5403
	ORISSA	--	--	--	--	--	--	--	--	--	8	1290
	TELANGANA	--	--	--	--	--	--	--	2	155	14	2326
	TAMIL NADU	--	--	--	--	--	--	--	41	5226	271	41610
	UTTAR PRADESH	--	--	--	--	--	--	--	7	765	25	5604
TOTAL : GRANITE		7	655	--	--	--	--	--	178	19012	1142	212509
14. GRAPHITE												
	JHARKHAND	--	--	--	--	--	--	--	10	464	10	464
	ORISSA	--	--	--	--	--	--	--	--	--	2	200
TOTAL : GRAPHITE		--	--	--	--	--	--	--	10	464	12	664
15. GYPSUM												
	RAJASTHAN	3	125	--	--	--	--	--	3	115	14	1343
16. IRON												
	ANDHRA PRADESH	--	--	--	--	--	--	--	2	170	47	7748
	CHHATTISGARH	3	190	--	--	14	2719	56	17026	531	170533	
	GOA	--	--	--	--	8	1307	24	5057	801	133229	
	JHARKHAND	--	--	--	--	8	1834	39	7353	226	81561	
	KARNATAKA	1	50	--	--	5	550	65	10182	1334	233196	
	MADHYA PRADESH	1	50	--	--	--	--	--	--	85	12583	
	MAHARASHTRA	--	--	--	--	3	830	15	2549	312	53480	
	ORISSA	2	100	--	--	13	2489	103	38435	1488	304659	
	RAJASTHAN	--	--	--	--	--	--	--	--	37	4750	
TOTAL : IRON		7	390	--	--	51	9729	304	80772	4861	1001739	
17. LATERITE												
	ANDHRA PRADESH	--	--	--	--	--	--	--	4	2085	49	12587
	GUJARAT	--	--	--	--	--	--	--	--	--	9	1618
	KARNATAKA	--	--	--	--	--	--	--	--	--	22	3072
	RAJASTHAN	--	--	--	--	--	--	--	--	--	35	6680
TOTAL : LATERITE		--	--	--	--	--	--	--	4	2085	115	23957

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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												
	ANDAMAN & NICOBAR IS	--	--	--	--	--	--	--	1	50	4	500
	ANDHRA PRADESH	3	216	--	--	2	320	21	2603	437	126443	
	ASSAM	--	--	--	--	--	--	3	1390	31	3391	
	BIHAR	--	--	--	--	--	--	--	--	26	3900	
	CHHATTISGARH	--	--	--	--	6	4420	18	9340	243	106421	
	GUJARAT	2	90	--	--	5	851	43	13624	413	95842	
	HIMACHAL PRADESH	--	--	--	--	1	179	3	98	203	66419	
	JHARKHAND	2	100	--	--	--	--	4	470	29	11391	
	JAMMU & KASHMIR	--	--	--	--	--	--	--	--	5	890	
	KARNATAKA	2	119	--	--	21	9170	42	52676	519	251650	
	KERALA	--	--	--	--	--	--	--	--	20	3762	
	MEGHALAYA	--	--	--	--	--	--	4	750	96	24019	
	MADHYA PRADESH	3	166	--	--	15	3501	16	5222	652	148748	
	MAHARASHTRA	1	60	--	--	2	305	4	492	124	42924	
	ORISSA	1	60	--	--	1	145	5	625	182	50768	
	RAJASTHAN	8	337	--	--	3	765	97	19090	1200	237743	
	TELANGANA	3	331	--	--	--	--	14	1624	316	82481	
	TAMIL NADU	2	90	--	--	--	--	27	15689	492	101524	
	UTTAR PRADESH	--	--	--	--	--	--	--	--	65	17144	
TOTAL : LIMESTONE		27	1569	--	--	56	19656	302	123743	5057	1375960	
19. MAGNESITE												
	KARNATAKA	--	--	--	--	--	--	--	--	10	1343	
	TAMIL NADU	2	116	--	--	1	280	3	330	83	15530	
	UTTARANCHAL	--	--	--	--	--	--	--	--	6	780	
TOTAL : MAGNESITE		2	116	--	--	1	280	3	330	99	17653	
20. MANGANESE												
	ANDHRA PRADESH	1	55	--	--	--	--	--	--	37	3873	
	GOA	--	--	--	--	--	--	--	--	63	5212	
	GUJARAT	--	--	--	--	--	--	--	--	8	1996	
	JHARKHAND	--	--	--	--	--	--	--	--	10	1563	
	KARNATAKA	--	--	--	--	--	--	--	--	112	4004	
	MADHYA PRADESH	2	100	--	--	--	--	10	2163	133	21636	
	MAHARASHTRA	--	--	--	--	--	--	1	30	64	9303	
	ORISSA	--	--	--	--	--	--	21	1473	247	42870	
TOTAL : MANGANESE		3	155	--	--	--	--	32	3666	674	90457	
21. MARBLE												
	GUJARAT	4	262	--	--	--	--	--	--	48	6925	
	MADHYA PRADESH	--	--	--	--	--	--	1	50	20	3833	
	RAJASTHAN	--	--	--	--	--	--	17	1416	134	32094	
TOTAL : MARBLE		4	262	--	--	--	--	18	1466	202	42852	

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
22. MICA												
	ANDHRA PRADESH	--	--	--	--	--	--	2	125	4	238	
23. QUARTZ												
	TELANGANA	--	--	--	--	--	--	--	--	12	1550	
	WEST BENGAL	--	--	--	--	--	--	--	--	2	260	
TOTAL : QUARTZ		--	--	--	--	--	--	--	--	14	1810	
24. SANDSTONE												
	HARYANA	--	--	--	--	--	--	--	--	2	400	
	RAJASTHAN	--	--	--	--	--	--	--	--	32	3778	
	UTTAR PRADESH	--	--	--	--	--	--	4	440	15	1632	
TOTAL : SANDSTONE		--	--	--	--	--	--	4	440	49	5810	
25. SILICA												
	GUJARAT	--	--	--	--	--	--	--	--	6	960	
	HARYANA	--	--	--	--	--	--	11	1187	42	6007	
	MAHARASHTRA	--	--	--	--	--	--	--	--	5	742	
	RAJASTHAN	--	--	--	--	--	--	--	--	45	4620	
TOTAL : SILICA		--	--	--	--	--	--	11	1187	98	12329	
26. SILLIMANITE												
	ANDHRA PRADESH	--	--	--	--	5	900	--	--	66	10200	
	MAHARASHTRA	--	--	--	--	--	--	--	--	18	3080	
TOTAL : SILLIMANITE		--	--	--	--	5	900	--	--	84	13280	
27. STEATITE												
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	1	350	
	MADHYA PRADESH	--	--	--	--	--	--	--	--	1	50	
	ORISSA	--	--	--	--	--	--	--	--	3	195	
	RAJASTHAN	4	175	--	--	--	--	2	590	97	16580	
TOTAL : STEATITE		4	175	--	--	--	--	2	590	102	17175	
28. STONE												
	ANDHRA PRADESH	1	110	--	--	--	--	9	719	49	7616	
	BIHAR	--	--	--	--	--	--	--	--	23	4986	
	GOA	--	--	--	--	--	--	--	--	10	1101	
	GUJARAT	--	--	--	--	--	--	--	--	12	1474	
	HARYANA	--	--	--	--	1	160	1	118	72	19976	
	JHARKHAND	2	120	--	--	--	--	3	176	43	4803	
	KARNATAKA	--	--	--	--	--	--	1	147	5	866	

STATEMENT NO. 2.4

USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2015

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
	KERALA	2	100	--	--	--	--	4	600	52	7274	
	MAHARASHTRA	--	--	--	--	1	140	--	--	70	19853	
	ORISSA	--	--	--	--	--	--	--	--	6	1426	
	RAJASTHAN	3	450	--	--	--	--	--	--	7	730	
	TAMIL NADU	--	--	--	--	--	--	--	--	33	5539	
	WEST BENGAL	--	--	--	--	--	--	1	150	31	7275	
TOTAL : STONE		8	780	--	--	2	300	19	1910	413	82919	
29. WOLLASTONITE												
	RAJASTHAN	--	--	--	--	--	--	20	4365	49	8080	
TOTAL : METALLIFEROUS		76	4897	--	--	133	33565	--	310209	14688	3235847	

STATEMENT NO. 2.5

USAGE OF ELECTRICAL MACHINERIES AND DIESEL COMPRESSORS IN OIL MINES DURING THE YEAR 2015

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	8	28	24400	1	5	284	46572	--	--	2	6	897	72998	1212	143981	35	2751
ARUNACHAL PRADESH	1	1	30	1	150	145	1893	2	6	2	2	7	173	158	2254	--	--
ASSAM	21	254	209087	89	10306	1162	246290	64	1348	--	--	3144	256979	4713	724010	109	26543
BIHAR	1	3	3000	2	2000	2	4000	--	--	1	1000	--	--	8	10000	--	--
GUJARAT	38	60	26231	100	14814	2172	157047	42	98	22	342	819	83534	3215	282066	53	3620
HIMACHAL PRADESH	1	1	2000	--	--	9	4650	--	--	--	--	19	1360	29	8010	--	--
JHARKHAND	7	5	4415	2	370	99	11906	3	15	8	25	4	1055	121	17786	9	1226
MADHYA PRADESH	3	7	2840	--	--	18	2786	8	301	3	100	10	26	46	6053	--	--
PONDICHERRY	2	--	--	--	--	284	4378	--	--	--	--	64	822	348	5200	6	90
RAJASTHAN	10	5	4000	3	1500	396	42356	112	387	--	--	918	81164	1434	129407	38	1288
TAMIL NADU	3	12	12000	--	--	65	16861	12	10	12	100	267	13889	368	42860	14	2674
TRIPURA	3	--	--	3	4800	66	8588	2	10	--	--	67	3184	138	16582	6	600
WEST BENGAL	5	9	3960	3	2750	390	18746	--	--	10	1045	145	28713	557	55214	11	1751
TOTAL : OIL	103	385	291963	204	36695	5092	566073	245	2175	60	2620	6361	543897	12347	1443423	281	40543

STATEMENT NO. 2.6

USAGE OF DRILLS AND DIESEL COMPRESSORS IN METALLIFEROUS MINES DURING THE YEAR 2015

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	7	21	3	24	7	19	1308
BARYTES	5	5	7	12	5	11	1276
BAUXITE	61	53	79	132	23	48	8078
CALCITE	2	3	5	8	2	6	950
CHINA CLAY,CLAY,WHITE-	2	4	--	4	2	5	510
CHROMITE	17	25	47	72	6	13	1766
COPPER	5	120	58	178	3	24	8134
DIAMOND	1	--	3	3	--	--	--
DOLOMITE	30	50	25	75	15	24	3016
FELSPAR	4	11	--	11	--	--	--
GALENA & SPHALARITE	10	73	36	109	2	7	260
GOLD	5	378	72	450	2	9	5155
GRANITE	252	1365	425	1790	193	538	64579
GRAPHITE	1	2	1	3	--	--	--
GYPSUM	3	4	2	6	--	--	--
IRON	139	92	230	322	72	153	25421
LATERITE	1	3	1	4	1	3	150
LIMESTONE	392	373	525	898	201	346	48812
MAGNESITE	8	18	9	27	6	13	1580
MANGANESE	79	388	226	614	42	108	17144
MARBLE	17	121	69	190	11	35	3731
MICA	22	39	9	48	11	12	905
QUARTZ	19	36	7	43	5	5	1053
SANDSTONE	2	1	5	6	1	3	408
SILICA	20	52	13	65	14	23	4197
SILLIMANITE	2	1	3	4	4	10	1370
STEATITE	36	69	38	107	17	55	4840
STONE	209	318	126	444	99	156	16622
WOLLASTONITE	1	--	7	7	2	6	1160
TOTAL : METALLIFEROUS	1352	3625	2031	5656	746	1632	222425

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
2014	1161	399	39,048	82	63,776	9,309	609	61	113,200	9305	4087
2015	1183	237	34,144	62	60,671	9,831	441	41	105,428	9905	4780

*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 2015 : MINERAL- STATEWISE

(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
1. APATITE & ROCK PHOSPHATE													
	ANDHRA PRADESH	1	--	2158	--	--	--	--	--	--	2158	4820	--
	MADHYA PRADESH	2	--	4775	--	--	33	--	--	--	4808	1152	10000
	RAJASTHAN	2	--	--	--	110081	2100	--	--	--	112181	2	22
	UTTARANCHAL	2	--	580	--	--	--	--	--	--	580	--	--
TOTAL : APATITE & ROCK PHOSPHA		7	--	7513	--	110081	2133	--	--	--	119727	5974	10022
2. BARYTES													
	ANDHRA PRADESH	2	--	--	--	360200	1147752	735	--	--	1508687	2194	1385
	HIMACHAL PRADESH	1	--	103	--	--	--	--	--	--	103	--	820
	RAJASTHAN	1	--	--	--	--	555	--	--	--	555	--	4440
	TELANGANA	1	--	100	--	--	--	--	--	--	100	--	--
TOTAL : BARYTES		5	--	203	--	360200	1148307	735	--	--	1509445	2194	6645
3. BAUXITE													
	CHHATTISGARH	9	--	--	689115	47620	84995	--	--	--	821730	4293	16454
	GUJARAT	6	--	--	1790	2484	21063	--	--	--	25337	6791	4488
	JHARKHAND	25	--	200	738182	24753	8090	--	--	--	771225	364	72886
	KARNATAKA	1	--	--	--	--	117	--	--	--	117	369	--
	MADHYA PRADESH	3	--	735	--	8567	--	--	--	--	9302	9544	59348
	MAHARASHTRA	5	--	--	38315	130069	800	--	--	--	169184	5703	984
	ORISSA	3	--	--	618245	1048455	1860	90050	--	--	1758610	32184	376
	TAMIL NADU	1	--	44	--	--	--	--	--	--	44	34	--
	UTTAR PRADESH	3	--	--	1391	--	921	--	--	--	2312	--	17943
TOTAL : BAUXITE		56	--	979	2087038	1261948	117846	90050	--	--	3557861	59282	172479
4. CALCITE													
	RAJASTHAN	2	--	2309	59075	4715	--	--	--	--	66099	49817	5133
5. CHINA CLAY,CLAY,WHITE-CLAY													
	ANDHRA PRADESH	1	--	--	--	--	10	--	--	--	10	--	200
	RAJASTHAN	1	--	--	--	--	35200	--	--	--	35200	--	--
TOTAL : CHINA CLAY,CLAY,WHITE-		2	--	--	--	--	35210	--	--	--	35210	--	200
6. CHROMITE													
	KARNATAKA	1	--	--	--	--	637	--	--	--	637	4280	--
	ORISSA	13	--	--	--	414648	48747	--	--	--	463395	131969	1295

STATEMENT NO. 3.2(CONT..)

Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based (IN KILOGRAMS)		A. N. Based (IN KILOGRAMS)	Slurries (IN KILOGRAMS)		Boosters (IN KILOGRAMS)	Liquid Oxygen (IN KILOGRAMS)	Gun Powder (IN KILOGRAMS)	Total amount of explosives used (IN KILOGRAMS)	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
TOTAL : CHROMITE		14	--	--	--	414648	49384	--	--	--	464032	136249	1295
7. COPPER													
	JHARKHAND	2	--	7150	--	16030	85161	--	--	--	108341	246948	230
	MADHYA PRADESH	1	--	--	--	2798794	--	--	--	--	2798794	38	1981
	RAJASTHAN	2	--	--	308500	135150	226305	--	--	--	669955	--	--
TOTAL : COPPER		5	--	7150	308500	2949974	311466	--	--	--	3577090	246986	2211
8. DIAMOND													
	MADHYA PRADESH	1	--	--	--	95000	--	--	--	--	95000	--	86
9. DOLOMITE													
	ANDHRA PRADESH	2	--	--	125300	6900	2105	--	--	--	134305	7030	1600
	CHHATTISGARH	10	--	--	334708	270722	768102	--	--	--	1373532	343669	54622
	JHARKHAND	1	--	--	--	63125	--	--	--	--	63125	836	--
	KARNATAKA	4	--	--	9262	4243	308	--	--	--	13813	10658	3550
	MADHYA PRADESH	3	--	--	--	60610	730	--	--	--	61340	7269	2521
	MAHARASHTRA	3	--	--	--	1793	163	--	--	--	1956	2995	--
	ORISSA	3	--	--	--	99600	96	--	--	--	99696	26977	266
	TELANGANA	1	--	--	--	169800	--	--	--	--	169800	--	243
	UTTAR PRADESH	1	--	--	--	8022	--	--	--	--	8022	--	--
TOTAL : DOLOMITE		28	--	--	469270	684815	771504	--	--	--	1925589	399434	62802
10. FELSPAR													
	ANDHRA PRADESH	2	--	--	28200	--	15625	--	--	--	43825	216	8941
	TELANGANA	2	--	1839	2200	--	--	--	--	--	4039	16456	--
TOTAL : FELSPAR		4	--	1839	30400	--	15625	--	--	--	47864	16672	8941
11. GALENA & SPHALARITE													
	RAJASTHAN	10	--	--	468300	4541568	1067508	2154	--	--	6079530	357327	424686
12. GOLD													
	JHARKHAND	1	--	--	--	--	8700	--	--	--	8700	22920	--
	KARNATAKA	3	--	--	--	402828	105142	--	--	--	507970	95969	--
	UTTARANCHAL	1	--	--	--	--	45	--	--	--	45	--	--
TOTAL : GOLD		5	--	--	--	402828	113887	--	--	--	516715	118889	--
13. GRANITE													
	ANDHRA PRADESH	61	--	5950	397410	620526	140484	--	--	--	1164370	223862	1066

STATEMENT NO. 3.2(CONT..)

Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based (IN KILOGRAMS)		A. N. Based (IN KILOGRAMS)	Slurries (IN KILOGRAMS)		Boosters (IN KILOGRAMS)	Liquid Oxygen (IN KILOGRAMS)	Gun Powder (IN KILOGRAMS)	Total amount of explosives used (IN KILOGRAMS)	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
	GOA	2	--	--	--	29908	1815	--	--	--	31723	90178	645
	KARNATAKA	15	--	240	--	58495	56450	--	--	6504	121689	383383	8312
	KERALA	25	--	--	33096	152596	130564	--	--	--	316256	890859	49733
	MADHYA PRADESH	1	--	--	--	--	2600	--	--	--	2600	30800	--
	ORISSA	1	--	--	--	--	496	--	--	--	496	2128	--
	TELANGANA	3	--	500	--	--	3372	--	--	--	3872	28496	--
	TAMIL NADU	64	--	19282	--	484169	226429	--	--	12242	742122	148391	32581
	UTTAR PRADESH	3	--	--	--	9156	--	--	--	--	9156	89945	--
	WEST BENGAL	2	--	--	--	8276	--	--	--	--	8276	60600	--
TOTAL : GRANITE		177	--	25972	430506	1363126	562210	--	--	18746	2400560	1948642	92337
14. GRAPHITE													
	TAMIL NADU	1	--	--	--	709625	11625	--	--	--	721250	--	204
15. GYPSUM													
	JAMMU & KASHMIR	3	2904	3440	--	--	932	--	--	--	7276	--	20690
16. IRON													
	ANDHRA PRADESH	3	--	--	--	26155	--	575	--	--	26730	306	42953
	CHHATTISGARH	11	1715	--	--	8668705	9002	--	--	--	8679422	--	5366
	GOA	6	--	2220	--	124231	2652	--	--	--	129103	641	2713
	JHARKHAND	13	--	--	--	2347406	1102045	4380	--	--	3453831	2075	4228
	KARNATAKA	31	--	189	130370	181326	30555	194	62206	--	404840	1303	29166
	MAHARASHTRA	2	--	--	--	112280	65546	--	--	--	177826	--	34564
	ORISSA	49	53300	293	458500	3350258	98719	49502	--	--	4010572	108326	181835
	RAJASTHAN	1	--	--	--	365159	1743844	4845	--	--	2113848	1683	11750
TOTAL : IRON		116	55015	2702	588870	15175520	3052363	59496	62206	--	18996172	114334	312575
17. LATERITE													
	RAJASTHAN	1	--	--	91950	60625	--	--	--	--	152575	7561	--
18. LIMESTONE													
	ANDAMAN & NICOBAR IS	2	--	7526	--	2249	--	--	--	--	9775	15723	84
	ANDHRA PRADESH	32	--	--	2410081	1127777	28599	31697	--	21600	3619754	88033	37309
	ASSAM	3	--	--	--	177430	7175	--	--	--	184605	17402	--
	BIHAR	1	--	--	--	36186	1554	--	--	--	37740	--	297
	CHHATTISGARH	18	--	--	302440	4840224	714021	8305	--	--	5864990	71017	65807
	GUJARAT	19	--	--	1049709	298100	14669	108025	--	--	1470503	62434	17988
	HIMACHAL PRADESH	23	--	5555	515535	102790	113841	35	--	--	737756	2427	138199
	JHARKHAND	10	--	196	2302	465118	16073	--	--	--	483689	58314	69705
	JAMMU & KASHMIR	1	--	--	--	12000	--	--	--	--	12000	--	--
	KARNATAKA	35	--	55	1682659	2452191	60759	15600	--	--	4211264	113602	50997
	KERALA	1	--	--	101200	58850	82260	--	--	--	242310	18732	--
	MEGHALAYA	8	--	--	697350	588666	8770	--	--	--	1294786	22178	31343

STATEMENT NO. 3.2(CONT..)

Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based (IN KILOGRAMS)		A. N. Based (IN KILOGRAMS)	Slurries (IN KILOGRAMS)		Boosters (IN KILOGRAMS)	Liquid Oxygen (IN KILOGRAMS)	Gun Powder (IN KILOGRAMS)	Total amount of explosives used (IN KILOGRAMS)	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
	MADHYA PRADESH	52	--	370	2899024	6284374	67710	666	--	815	9252959	560415	439195
	MAHARASHTRA	9	--	--	429550	1763043	4529	--	--	--	2197122	19970	167
	ORISSA	13	--	--	545400	1089818	95547	2404	--	--	1733169	340197	636
	RAJASTHAN	66	--	10222	10787013	5104177	123183	17361	--	--	16041956	121882	239721
	TELANGANA	36	--	7838	3387968	1920928	92858	74982	--	--	5484574	219900	183134
	TAMIL NADU	31	--	2033	1890163	1544252	39276	--	--	--	3475724	154728	123155
	UTTARANCHAL	2	--	385	--	3070	427	--	--	--	3882	--	14934
	UTTAR PRADESH	1	--	--	--	613050	104	--	--	--	613154	3158	42078
TOTAL : LIMESTONE		363	--	34180	26700394	28484293	1471355	259075	--	22415	56971712	1890112	1454749
19. MAGNESITE													
	JHARKHAND	1	--	--	--	--	29	--	--	--	29	--	240
	KARNATAKA	1	--	--	--	9133	1345	--	--	--	10478	4574	10944
	TAMIL NADU	4	--	708	82612	92515	9959	--	--	--	185794	69463	8818
	UTTARANCHAL	1	--	--	--	18100	9396	--	--	--	27496	2486	30966
TOTAL : MAGNESITE		7	--	708	82612	119748	20729	--	--	--	223797	76523	50968
20. MANGANESE													
	ANDHRA PRADESH	10	--	14	--	12475	11695	--	--	--	24184	4744	31674
	GOA	1	--	--	--	--	40	--	--	--	40	--	282
	KARNATAKA	6	--	--	76950	3995	23302	--	--	--	104247	--	5097
	MADHYA PRADESH	21	--	--	--	448944	36091	--	--	--	485035	432915	83197
	MAHARASHTRA	17	--	--	157700	1396865	51879	--	--	--	1606444	258010	469172
	ORISSA	16	--	872	--	358972	63172	--	--	--	423016	3019	8012
TOTAL : MANGANESE		71	--	886	234650	2221251	186179	--	--	--	2642966	698688	597434
21. MARBLE													
	GUJARAT	2	--	--	--	2828	887	--	--	--	3715	--	12973
	MADHYA PRADESH	3	--	--	--	--	8051	--	--	--	8051	--	1313
	RAJASTHAN	6	--	--	--	44710	3343	2979	--	--	51032	--	10147
TOTAL : MARBLE		11	--	--	--	47538	12281	2979	--	--	62798	--	24433
22. MICA													
	ANDHRA PRADESH	14	--	25	--	14359	15871	750	--	--	31005	54011	82964
	BIHAR	4	--	301	--	--	2856	--	--	--	3157	7138	15165
	JHARKHAND	1	--	246	--	--	--	--	--	--	246	--	1980
TOTAL : MICA		19	--	572	--	14359	18727	750	--	--	34408	61149	100109

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
23. QUARTZ													
	ANDHRA PRADESH	3	--	--	--	--	4379	--	--	28	4407	8261	--
	CHHATTISGARH	3	--	--	--	--	8821	--	--	--	8821	36600	--
	JHARKHAND	1	--	--	--	--	2275	--	--	--	2275	8525	--
	ORISSA	2	--	--	--	6446	--	--	--	--	6446	11377	--
	RAJASTHAN	1	--	--	--	--	5365	--	--	--	5365	--	7260
	TELANGANA	4	--	--	--	--	10216	--	--	--	10216	11262	500
	TAMIL NADU	4	--	740	2575	135	918	--	--	299	4667	4433	1683
	WEST BENGAL	1	--	--	--	--	950	--	--	--	950	2493	--
TOTAL : QUARTZ		19	--	740	2575	6581	32924	--	--	327	43147	82951	9443
24. SANDSTONE													
	RAJASTHAN	1	--	--	26550	11470	--	--	--	--	38020	648	55867
	UTTAR PRADESH	1	--	--	--	19443	--	--	--	--	19443	3602	--
TOTAL : SANDSTONE		2	--	--	26550	30913	--	--	--	--	57463	4250	55867
25. 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
26. SILLIMANITE													
	MAHARASHTRA	1	--	--	--	2799	--	--	--	--	2799	--	--
27. STEATITE													
	ANDHRA PRADESH	4	--	915	3445	1500	1385	--	--	--	7245	13925	--
	JHARKHAND	1	--	930	--	--	--	--	--	--	930	4640	--
	MADHYA PRADESH	3	--	3537	10169	--	--	--	--	--	13706	2690	52025
	ORISSA	1	--	--	2617	--	--	--	--	--	2617	17450	--
	RAJASTHAN	25	--	2013	540005	308211	108509	4813	--	--	963551	15759	391069
	UTTAR PRADESH	1	--	--	--	1416	--	--	--	--	1416	7500	--
TOTAL : STEATITE		35	--	7395	556236	311127	109894	4813	--	--	989465	61964	443094
28. STONE													
	ANDHRA PRADESH	7	--	--	--	130930	56973	--	--	--	187903	19904	17026
	BIHAR	4	--	965	--	14700	2355	--	--	--	18020	21508	--
	GOA	7	--	--	9100	99448	18756	--	--	--	127304	109670	--
	GUJARAT	4	--	1725	34480	11770	13782	--	--	--	61757	31155	20076
	HARYANA	12	22368	3657	1134107	11825	39216	7607	--	--	1218780	1207695	227889

STATEMENT NO. 3.2(CONT..)

(IN KILOGRAMS)

Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based		A. N. Based	Slurries		Boosters	Liquid Oxygen	Gun Powder	Total amount of explosives used	Detonators (In Numbers)	
			Large Diameter	Small Diameter		Large Diameter	Small Diameter					Electric	Ordinary
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	JHARKHAND	81	--	18891	35944	411415	147812	13300	--	--	627362	702531	19875
	KARNATAKA	4	--	--	--	3850	26988	--	--	--	30838	57871	570
	KERALA	15	--	--	--	85722	165643	--	--	--	251365	530038	285689
	MAHARASHTRA	10	--	100	43240	232227	15584	--	--	--	291151	83162	24014
	ORISSA	2	--	6703	--	--	185	--	--	--	6888	40957	--
	RAJASTHAN	3	8400	--	10000	12000	1300	--	--	--	31700	10100	14700
	TELANGANA	2	--	--	--	2900	65455	--	--	--	68355	10520	520
	TAMIL NADU	10	--	4020	157350	86375	40505	--	--	--	288250	167809	201
	WEST BENGAL	36	--	207	14000	179583	105476	--	--	--	299266	490758	2730
TOTAL : STONE		197	30768	36268	1438221	1282745	700030	20907	--	--	3508939	3483678	613290
29. WOLLASTONITE													
	RAJASTHAN	1	--	--	79550	2783	1735	--	--	--	84068	38298	--
TOTAL : METALLIFEROUS		1183	91339	146107	34143700	60670965	9830838	440959	62206	41488	105427602	9904746	4780502

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	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
	2014	1	1	0	1	1	0.27	0.27
	2015	1	1	0	2	2	0.39	0.79
GALENA	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
	2014	2	2	1	12	12	0.35	2.26
	2015	3	3	0	4	4	0.59	0.79
GOLD	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
	2014	0	0	0	2	2	0.00	0.54
	2015	1	1	0	4	4	1.73	1.11
IRON	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
	2009	8	8	-	20	20	0.17	0.42
	2010	9	11	-	9	9	0.23	0.19

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…..)	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
	2014	3	3	1	9	14	0.06	0.30
	2015	5	5	0	8	9	0.10	0.17
LIMESTONE	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
	2014	4	4	2	3	3	0.12	0.15
	2015	5	5	0	1	1	0.13	0.03
MANGANESE	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
	2014	1	1	0	1	1	0.05	0.05
	2015	1	1	0	1	1	0.04	0.04
TOTAL :	2005	47	51	4	93	94	0.36	0.7
METALLIFERROUS	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
	2014	34	40	10	34	40	0.22	0.27
	2015	41	43	3	22	23	0.22	0.13

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	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
	2014	5	5	0	10	10	0.20	0.40
	2015	4	5	10	13	15	0.18	0.88
TOTAL : NON-COAL	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
	2014	39	45	10	44	50	0.24	0.32
	2015	45	48	13	35	38	0.22	0.23

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	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
	2014	0.27	0.27	0.41	-	-	0.27	-	4.59	-	0.27
	2015	0.39	0.79	0.58	-	-	0.39	-	1.15	-	0.79
GALENA	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
	2014	0.35	2.09	0.77	-	-	0.35	3.44	3.37	0.45	2.26
	2015	0.59	0.79	0.58	12.99	-	0.59	0.87	-	0.65	0.79
GOLD	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
	2014	0.00	0.54	-	-	-	-	1.16	-	-	0.54
	2015	0.28	1.11	-	-	0.61	0.28	1.73	-	0.61	1.11

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
IRON	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
	2014	0.06	0.18	-	-	0.13	0.06	-	0.34	0.25	0.30
	2015	0.09	0.15	-	0.07	0.13	0.10	-	0.18	0.17	0.17
LIMESTONE	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
	2014	0.12	0.09	-	0.16	-	0.12	-	0.19	-	0.15
	2015	0.13	0.03	-	0.17	-	0.13	-	0.03	-	0.03
MANGANESE	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	-	-	-	-
	2014	0.05	0.05	0.35	-	-	0.05	0.35	-	-	0.05
	2015	0.04	0.04	0.20	-	-	0.04	0.20	-	-	0.04

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 :	2005	0.38	0.68	0.38	0.43	0.23	0.36	3.41	0.3	0.99	0.7
METALLIFERROUS	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
	2014	0.19	0.19	0.36	0.29	0.08	0.22	1.16	0.26	0.14	0.27
	2015	0.21	0.22	0.30	0.29	0.08	0.22	0.74	0.08	0.11	0.13
OIL	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
	2014	0.20	0.40	-	-	0.20	0.20	-	-	0.40	0.40
	2015	0.14	0.46	-	-	0.18	0.18	-	-	0.88	0.88
TOTAL :	2005	0.29	0.68	0.38	0.43	0.17	0.32	3.41	0.3	0.93	0.71
NON-COAL	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
	2014	0.21	0.24	0.36	0.29	0.15	0.24	1.16	0.28	0.25	0.32
	2015	0.20	0.16	0.29	0.29	0.11	0.22	0.74	0.08	0.34	0.23

STATEMENT NO. 4.3

Causewise trend in fatal accidents in non-coal mines

Cause / Year	2010	2011	2012	2013	2014	2015
1. GROUND MOVEMENT						
Fall of Roof	--	--	3(3)	2(2)	3(3)	2(2)
Fall of Side	14(48)	7(9)	10(10)	13(24)	5(9)	5(6)
Other Ground Movement	--	--	--	--	--	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	--	1(1)	--	1(2)	2(3)	2(2)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	--	--	--	--	--	--
Wheeled Trackless Transp.	9(10)	11(12)	4(4)	8(8)	7(7)	13(13)
Other Transp. Machinery	3(3)	--	1(1)	3(3)	--	2(2)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	5(5)	10(10)	5(5)	4(4)	5(5)	2(2)
5. EXPLOSIVES	3(3)	4(7)	4(4)	2(3)	2(3)	--
6. ELECTRICITY	1(1)	--	--	2(2)	3(3)	2(2)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	--	--	--	3(4)	--	1(2)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	6(8)	5(5)	5(5)	9(10)	8(8)	9(10)
Fall of Objects	8(8)	5(5)	3(3)	8(9)	2(2)	4(4)
Other Falls	1(1)	--	--	--	1(1)	--
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	1(1)	1(1)	1(3)	2(2)	--	2(2)
Miscellaneous	3(3)	--	--	1(1)	1(1)	1(1)
T O T A L	54(91)	44(50)	36(38)	58(74)	39(45)	45(48)
BELOW GROUND :	4(4)	2(2)	5(5)	4(4)	4(4)	4(4)
OPENCAST :	35(72)	32(36)	26(28)	45(60)	25(31)	32(34)
ABOVE GROUND :	15(15)	10(12)	5(5)	9(10)	10(10)	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	2010	2011	2012	2013	2014	2015
1. GROUND MOVEMENT						
Fall of Roof	1(1)	2(2)	5(5)	2(2)	0(1)	3(3)
Fall of Side	0(3)	3(4)	3(5)	0(6)	0(1)	2(2)
Other Ground Movement	--	--	--	--	--	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	2(2)	2(3)	3(3)	0(1)	2(4)	1(1)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	--	--	--	--	--	--
Wheeled Trackless Transp.	2(2)	4(8)	3(3)	6(8)	4(9)	0(1)
Other Transp. Machinery	3(3)	6(6)	--	--	2(2)	1(1)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	10(10)	15(15)	8(8)	12(12)	11(13)	5(5)
5. EXPLOSIVES	1(3)	0(4)	1(4)	0(1)	0(3)	--
6. ELECTRICITY	2(2)	3(4)	--	--	1(1)	1(2)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	2(2)	--	--	0(2)	2(4)	1(12)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	13(13)	22(22)	8(8)	11(12)	10(10)	5(6)
Fall of Objects	16(18)	18(18)	12(12)	16(19)	9(9)	9(9)
Other Falls	2(2)	1(1)	--	1(1)	--	--
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	1(1)	--	1(1)	1(1)	1(1)	1(2)
Miscellaneous	6(6)	6(6)	1(1)	3(3)	2(2)	6(7)
T O T A L	61(68)	82(93)	45(50)	52(68)	44(60)	35(51)
BELOW GROUND :	12(13)	20(21)	16(16)	15(15)	12(13)	10(10)
OPENCAST :	16(21)	30(34)	15(20)	11(23)	18(30)	5(9)
ABOVE GROUND :	33(34)	32(38)	14(14)	26(30)	14(17)	20(32)

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	2009	2010	2011	2012	2013	2014	2015
1	Overwinding of cages, Skip of bucket	1	-	-	-	-	-	-
2	Outbreak of fire-underground	-	-	-	2	-	1	1
3	Outbreak of fire on surface	1	2	1	3	-	4	-
4	Premature collapse of workings or failure of pillars	-	-	-	-	-	-	-
5	Breakage of winding rope	-	-	-	-	-	-	-
6	Breakdown of winding engine, crank shaft, bearing, etc.	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-
9	Rock burst	-	-	-	-	-	-	-
10	Irruption of water	-	-	1	-	1	-	1
11	Bursting of high-pressure equipment	-	-	-	-	-	-	-
12	Oil well blow out without fire	2	-	-	-	-	-	-
13	Others	4	2	4	5	1	1	7
TOTAL		**8**	**4**	**6**	**10**	**2**	**6**	**9**

STATEMENT NO. 4.6a

Accidents and placewise casualties in non-coal mines by state-district wise in 2015

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														
	ANDHRA PRADESH														
	EAST GODAVARI	0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL :	ANDHRA PRADESH	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	ASSAM														
	DIBRUGARH	0	6	0	0	0	0	0	0	0	0	0	6	0	6
	SIBSAGAR	1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL :	ASSAM	1	6	0	0	0	1	0	1	0	0	0	6	0	6
	GUJARAT														
	BHARUCH	1	0	0	0	0	2	0	2	0	0	0	10	0	10
	GANDHINAGAR	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	MEHASANA	0	5	0	0	0	0	0	0	0	0	0	7	0	7
TOTAL :	GUJARAT	1	6	0	0	0	2	0	2	0	0	0	18	0	18
	MADHYA PRADESH														
	SHAHDOL	1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL :	MADHYA PRADESH	1	0	0	0	0	1	0	1	0	0	0	0	0	0
	TRIPURA														
	WEST TRIPURA	1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL :	TRIPURA	1	0	0	0	0	1	0	1	0	0	0	0	0	0
ALL INDIA :	OIL	4	13	0	0	0	5	0	5	0	0	0	25	0	25

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.	ASBESTOS														
	RAJASTHAN														
	UDAIPUR	3	0	0	4	0	0	0	4	0	0	0	0	0	0
TOTAL :	RAJASTHAN	3	0	0	4	0	0	0	4	0	0	0	0	0	0
ALL INDIA :	ASBESTOS	3	0	0	4	0	0	0	4	0	0	0	0	0	0
3.	CHINA CLAY, CLAY, WHITE-CLAY														
	JHARKHAND														
	SAHEBGANJ	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 :	CHINA CLAY, CLAY, WHITE-CLAY	0	1	0	0	0	0	0	0	1	0	0	0	0	1
4.	COPPER														
	RAJASTHAN														
	JHUNJHUNU	1	2	1	0	0	0	0	1	2	0	0	0	0	2
TOTAL :	RAJASTHAN	1	2	1	0	0	0	0	1	2	0	0	0	0	2
ALL INDIA :	COPPER	1	2	1	0	0	0	0	1	2	0	0	0	0	2
5.	GALENA & SPHALARITE														
	RAJASTHAN														
	AJMER	1	0	1	0	0	0	0	1	0	0	0	0	0	0
	BHILWARA	1	2	0	1	0	0	0	1	2	0	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
	UDAIPUR	1	1	1	0	0	0	0	1	1	0	0	0	0	1
	RAJSAMAND	0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL :	RAJASTHAN	3	4	2	1	0	0	0	3	3	0	0	1	0	4
ALL INDIA :	GALENA & SPHALARITE	3	4	2	1	0	0	0	3	3	0	0	1	0	4
6.	GOLD														
	KARNATAKA														
	RAICHUR	1	4	0	0	0	1	0	1	3	0	0	1	0	4
TOTAL :	KARNATAKA	1	4	0	0	0	1	0	1	3	0	0	1	0	4
ALL INDIA :	GOLD	1	4	0	0	0	1	0	1	3	0	0	1	0	4
7.	GRANITE														
	ANDHRA PRADESH														
	PRAKASHAM	3	0	0	3	0	0	0	3	0	0	0	0	0	0
TOTAL :	ANDHRA PRADESH	3	0	0	3	0	0	0	3	0	0	0	0	0	0
	KARNATAKA														
	BAGALKOT	1	0	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL :	KARNATAKA	1	0	0	1	0	0	0	1	0	1	0	0	0	1
ALL INDIA :	GRANITE	4	0	0	4	0	0	0	4	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
8.	IRON														
	CHHATTISGARH														
	DANTEWARA	0	4	0	0	0	0	0	0	0	2	0	3	0	5
	BALOD	1	0	0	0	0	1	0	1	0	0	0	0	0	0
TOTAL :	CHHATTISGARH	1	4	0	0	0	1	0	1	0	2	0	3	0	5
	JHARKHAND														
	WEST SINGBHUM	1	1	0	0	0	1	0	1	0	1	0	0	0	1
TOTAL :	JHARKHAND	1	1	0	0	0	1	0	1	0	1	0	0	0	1
	KARNATAKA														
	BELLARY	1	1	0	1	0	0	0	1	0	0	0	1	0	1
TOTAL :	KARNATAKA	1	1	0	1	0	0	0	1	0	0	0	1	0	1
	ORISSA														
	KEONJHAR	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	SUNDERGARH	2	0	0	1	0	1	0	2	0	0	0	0	0	0
TOTAL :	ORISSA	2	1	0	1	0	1	0	2	0	1	0	0	0	1
	RAJASTHAN														
	BHILWARA	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	RAJASTHAN	0	1	0	0	0	0	0	0	0	1	0	0	0	1
ALL INDIA :	IRON	5	8	0	2	0	3	0	5	0	5	0	4	0	9
9.	LIMESTONE														
	ANDHRA PRADESH														
	RANGA REDDY	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

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
	HIMACHAL PRADESH														
	BILASPUR	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL :	HIMACHAL PRADESH	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	RAJASTHAN														
	KOTA	2	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	RAJASTHAN	2	0	0	2	0	0	0	2	0	0	0	0	0	0
	TAMILNADU														
	TIRUNELVELI	2	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL :	TAMILNADU	2	0	0	2	0	0	0	2	0	0	0	0	0	0
ALL INDIA :	LIMESTONE	5	1	0	5	0	0	0	5	0	1	0	0	0	1
10.	MAGNESITE														
	TAMILNADU														
	SALEM	2	0	0	2	0	0	0	2	0	1	0	0	0	1
TOTAL :	TAMILNADU	2	0	0	2	0	0	0	2	0	1	0	0	0	1
ALL INDIA :	MAGNESITE	2	0	0	2	0	0	0	2	0	1	0	0	0	1
11.	MANGANESE														
	MADHYA PRADESH														
	BALAGHAT	0	1	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL :	MADHYA PRADESH	0	1	0	0	0	0	0	0	1	0	0	0	0	1
	MAHARASHTRA														
	BHANDARA	1	0	1	0	0	0	0	1	0	0	0	0	0	0

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	TOTAL : MAHARASHTRA	1	0	1	0	0	0	0	1	0	0	0	0	0	0
ALL INDIA : MANGANESE		1	1	1	0	0	0	0	1	1	0	0	0	0	1
12.	MARBLE														
	RAJASTHAN														
	RAJSAMAND	8	0	0	8	0	0	0	8	0	0	0	0	0	0
	TOTAL : RAJASTHAN	8	0	0	8	0	0	0	8	0	0	0	0	0	0
ALL INDIA : MARBLE		8	0	0	8	0	0	0	8	0	0	0	0	0	0
13.	SANDSTONE														
	RAJASTHAN														
	NAGAUR	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	TOTAL : RAJASTHAN	1	0	0	1	0	0	0	1	0	0	0	0	0	0
ALL INDIA : SANDSTONE		1	0	0	1	0	0	0	1	0	0	0	0	0	0
14.	SILICA														
	RAJASTHAN														
	KARAULI	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 : SILICA		1	0	0	0	0	1	0	1	0	0	0	0	0	0

Statement 4.6a (continued)

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground	Opencast		Above Ground		Total	Below Ground	Opencast		Above Ground		Total
		Fatal	Serious	Male	Male	Female	Male	Female		Male	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
15. SILLIMANITE															
	KERALA														
	KOLLAM	0	1	0	0	0	0	0	0	0	0	0	1	0	1
TOTAL :	KERALA	0	1	0	0	0	0	0	0	0	0	0	1	0	1
ALL INDIA :	SILLIMANITE	0	1	0	0	0	0	0	0	0	0	0	1	0	1
16. STONE															
	ANDHRA PRADESH														
	GUNTUR	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
	UTTAR PRADESH														
	SONEBHADRA	5	0	0	5	0	0	0	5	0	1	0	0	0	1
TOTAL :	UTTAR PRADESH	5	0	0	5	0	0	0	5	0	1	0	0	0	1
ALL INDIA :	STONE	6	0	0	7	0	0	0	7	0	1	0	0	0	1
ALL INDIA :	ALL NON-COAL MINERALS	45	35	4	34	0	10	0	48	10	9	0	32	0	51

STATEMENT NO. 4.6b

Placewise casualty rates by state-district wise in 2015

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								
	ANDHRA PRADESH								
	EAST GODAVARI	...	...	...	...	...	...	0.55	0.55
TOTAL :	ANDHRA PRADESH	...	...	...	...	...	...	0.55	0.55
	ASSAM								
	DIBRUGARH	...	...	...	...	...	...	1.43	1.43
	SIBSAGAR	...	...	0.21	0.21	...	...	...	...
TOTAL :	ASSAM	...	...	0.11	0.11	...	...	0.65	0.65
	GUJARAT								
	BHARUCH	...	...	0.94	0.94	...	...	4.68	4.68
	GANDHINAGAR	...	...	...	...	...	...	15.63	15.63
	MEHASANA	...	...	...	...	...	...	1.60	1.60
TOTAL :	GUJARAT	...	...	0.21	0.21	...	...	1.93	1.93
	MADHYA PRADESH								
	SHAHDOL	...	...	4.37	4.37	...	...	...	...
TOTAL :	MADHYA PRADESH	...	...	4.37	4.37	...	...	...	...
	TRIPURA								
	WEST TRIPURA	...	...	3.28	3.28	...	...	...	...
TOTAL :	TRIPURA	...	...	3.28	3.28	...	...	...	...
ALL INDIA :	OIL	...	...	0.18	0.18	...	...	0.88	0.88
2.	ASBESTOS								
	RAJASTHAN								
	UDAIPUR	.....	Employment figures not available					.....	
TOTAL :	RAJASTHAN	.....	Employment figures not available					.....	
ALL INDIA :	ASBESTOS	.....	Employment figures not available					.....	
3.	CHINA CLAY,CLAY,WHITE-CLAY								
	JHARKHAND								
	SAHEBGANJ	...	...	...	...	31.25	...	...	2.34
TOTAL :	JHARKHAND	...	...	...	...	31.25	...	...	1.82
ALL INDIA :	CHINA CLAY,CLAY,WHITE-CLAY	...	...	...	...	31.25	...	...	0.41
4.	COPPER								
	RAJASTHAN								
	JHUNJHUNU	1.12	...	...	0.85	2.24	...	...	1.70
TOTAL :	RAJASTHAN	1.12	...	...	0.85	2.24	...	...	1.70
ALL INDIA :	COPPER	0.58	...	...	0.39	1.15	...	...	0.79

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.	GALENA & SPHALARITE								
	RAJASTHAN								
	AJMER	2.40	...	...	1.80	...	...	...	...
	BHILWARA	...	12.99	...	0.89	2.46	...	...	1.78
	UDAIPUR	0.94	...	...	0.57	0.94	...	...	0.57
	RAJSAMAND	...	...	...	...	...	...	2.22	0.62
TOTAL :	RAJASTHAN	0.58	12.99	...	0.59	0.87	...	0.66	0.79
ALL INDIA :	GALENA & SPHALARITE	0.58	12.99	...	0.59	0.87	...	0.65	0.79
6.	GOLD								
	KARNATAKA								
	RAICHUR	...	...	0.62	0.28	1.78	...	0.62	1.14
TOTAL :	KARNATAKA	...	...	0.62	0.28	1.78	...	0.62	1.14
ALL INDIA :	GOLD	...	...	0.61	0.28	1.73	...	0.61	1.11
7.	GRANITE								
	ANDHRA PRADESH								
	PRAKASHAM	...	0.65	...	0.48	...	...	...	...
TOTAL :	ANDHRA PRADESH	...	0.61	...	0.45	...	...	...	...
	KARNATAKA								
	BAGALKOT	...	2.10	...	1.73	...	2.10	...	1.73
TOTAL :	KARNATAKA	...	0.76	...	0.65	...	0.76	...	0.65
ALL INDIA :	GRANITE	...	0.37	...	0.30	...	0.09	...	0.07
8.	IRON								
	CHHATTISGARH								
	DANTEWARA	...	...	...	...	...	2.95	2.90	2.92
	BALOD	.....		Employment figures not available				.....	
TOTAL :	CHHATTISGARH	...	...	0.30	0.14	...	0.51	0.90	0.69
	JHARKHAND								
	WEST SINGBHUM	...	...	0.19	0.13	...	0.41	...	0.13
TOTAL :	JHARKHAND	...	...	0.19	0.13	...	0.41	...	0.13
	KARNATAKA								
	BELLARY	...	0.24	...	0.19	...	...	0.81	0.19
TOTAL :	KARNATAKA	...	0.17	...	0.14	...	...	0.70	0.14
	ORISSA								
	KEONJHAR	...	...	...	...	...	0.17	...	0.07
	SUNDERGARH	...	0.28	0.43	0.34	...	...	...	...

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
	TOTAL : ORISSA	...	0.08	0.10	0.09	...	0.08	...	0.04
	RAJASTHAN								
	BHILWARA	...	...	...	...	...	1.89	...	1.15
	TOTAL : RAJASTHAN	...	...	...	...	...	1.71	...	1.07
	ALL INDIA : IRON	...	0.07	0.13	0.10	...	0.18	0.17	0.17
9.	LIMESTONE								
	ANDHRA PRADESH								
	RANGA REDDY	.....	Employment figures not available						.....
	TOTAL : ANDHRA PRADESH	...	0.74	...	0.48	...	...	...	...
	HIMACHAL PRADESH								
	BILASPUR	...	...	...	...	...	28.57	...	15.15
	TOTAL : HIMACHAL PRADESH	...	...	...	...	...	0.97	...	0.85
	RAJASTHAN								
	KOTA	...	0.41	...	0.37	...	...	...	...
	TOTAL : RAJASTHAN	...	0.23	...	0.20	...	...	...	...
	TAMILNADU								
	TIRUNELVELI	...	6.43	...	5.78	...	...	...	...
	TOTAL : TAMILNADU	...	1.01	...	0.88	...	...	...	...
	ALL INDIA : LIMESTONE	...	0.17	...	0.13	...	0.03	...	0.03
10.	MAGNESITE								
	TAMILNADU								
	SALEM	...	1.03	...	1.01	...	0.51	...	0.51
	TOTAL : TAMILNADU	...	1.03	...	1.01	...	0.51	...	0.51
	ALL INDIA : MAGNESITE	...	0.91	...	0.84	...	0.45	...	0.42
11.	MANGANESE								
	MADHYA PRADESH								
	BALAGHAT	...	...	...	...	0.33	...	...	0.17
	TOTAL : MADHYA PRADESH	...	...	...	...	0.33	...	...	0.16
	MAHARASHTRA								
	BHANDARA	1.00	...	...	0.22	...	...	...	...
	TOTAL : MAHARASHTRA	0.48	...	...	0.14	...	...	...	...
	ALL INDIA : MANGANESE	0.20	...	...	0.04	0.20	...	...	0.04

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
12.	MARBLE								
	RAJASTHAN								
	RAJSAMAND	...	10.88	...	8.89	...	...	...	...
TOTAL :	RAJASTHAN	...	7.31	...	5.74	...	...	...	...
ALL INDIA :	MARBLE	...	5.60	...	4.41	...	...	...	...
13.	SANDSTONE								
	RAJASTHAN								
	NAGAUR	.....	Employment figures not available					.....	
TOTAL :	RAJASTHAN	...	5.29	...	4.55	...	...	...	...
ALL INDIA :	SANDSTONE	...	3.72	...	3.23	...	...	...	...
14.	SILICA								
	RAJASTHAN								
	KARAULI	.....	Employment figures not available					.....	
TOTAL :	RAJASTHAN	...	...	3.07	2.04	...	...	...	...
ALL INDIA :	SILICA	...	...	1.04	0.34	...	...	...	...
15.	SILLIMANITE								
	KERALA								
	KOLLAM	...	...	...	...	...	...	2.73	2.64
TOTAL :	KERALA	...	...	...	...	...	...	2.73	2.64
ALL INDIA :	SILLIMANITE	...	...	...	...	...	...	0.53	0.28
16.	STONE								
	ANDHRA PRADESH								
	GUNTUR	...	76.92	...	68.97	...	...	...	...
TOTAL :	ANDHRA PRADESH	...	6.71	...	6.47	...	...	...	...
	UTTAR PRADESH								
	SONEBHADRA	.....	Employment figures not available					.....	
TOTAL :	UTTAR PRADESH	.....	Employment figures not available					.....	
ALL INDIA :	STONE	...	1.16	...	0.84	...	0.17	...	0.12
ALL INDIA :	ALL NON-COAL MINERALS	0.29	0.29	0.11	0.22	0.74	0.08	0.34	0.23

STATEMENT NO. 4.7

Number of accidents and casualties/seriously injured persons in non-coal mines by place and detailed cause in 2015

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident	
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Copper	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
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	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Roof	2	2	0	3	3	0	0	0	0	0	0	0	0	0	0	2	2	0	3	3
Asbestos	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Gold	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Iron	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Magnesite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Manganese	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Fall of Sides (Other than Overhangs)	1	1	0	2	2	4	5	0	0	0	0	0	0	0	0	5	6	0	2	2
TOTAL : GROUND MOVEMENT	3	3	0	5	5	4	5	0	0	0	0	0	0	0	0	7	8	0	5	5
China Clay,Clay,White-clay	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Hit by Cages, Skip etc.	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Galena & Sphalarite	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Overwinding of Cages/Skip (downgoing)	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	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
Gold	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Other Accident due to Winding Operation	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : TRANSPORTATION MACHINERY (WINDING)	1	1	0	1	1	0	0	0	0	0	1	1	0	0	0	2	2	0	1	1
Iron	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	1
TOTAL : Conveyors	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	0	1	1
Galena & Sphalarite	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
Iron	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Limestone	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	3	3	0	0	0
Magnesite	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Dumpers	0	0	0	0	0	8	8	1	0	0	0	0	0	0	0	8	8	1	0	0
Iron	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Wagon Movements	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
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	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Sandstone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Wheeled Trackless(Truck,Tanker,etc.)	0	0	0	0	0	4	4	0	0	0	1	1	0	0	0	5	5	0	0	0
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	0	0	0	0	0	12	12	1	0	0	3	3	0	1	1	15	15	1	1	1
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Drilling Machines	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Sillimanite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Other Heavy Earth Moving Machinery	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident	
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
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	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Stone	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
TOTAL : Other Non-Transportation Machinery	0	0	0	1	1	2	2	0	1	1	0	0	0	1	1	2	2	0	3	3
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	0	0	0	1	1	2	2	0	2	2	0	0	0	2	2	2	2	0	5	5
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Power Cables Other Than Trailing Cables	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	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2
TOTAL : Other Electrical Accidents	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2
TOTAL : ELECTRICITY	0	0	0	0	0	2	2	0	1	2	0	0	0	0	0	2	2	0	1	2
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2
TOTAL : Outbreak of Fire or Spontaneous Heating	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2
Oil	0	0	0	0	0	0	0	0	0	0	1	2	10	0	0	1	2	10	0	0
TOTAL : Well Blowout (With Fire)	0	0	0	0	0	0	0	0	0	0	1	2	10	0	0	1	2	10	0	0
TOTAL : DUST, GAS & OTHER COMBUSTIBLE MATERIAL	0	0	0	0	0	0	0	0	0	0	1	2	10	1	2	1	2	10	1	2
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	4	4	1	1	0	4	4
Asbestos	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Marble	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	3	3	0	0	0
Stone	0	0	0	0	0	3	4	1	0	0	0	0	0	0	0	3	4	1	0	0
TOTAL : Fall of Person from Height/into Depth	0	0	0	0	0	8	9	1	0	0	1	1	0	4	4	9	10	1	4	4
Iron	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Fall of Persons on the Same Level	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1

Statement 4.7 (continued)

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident		Fatal Accident			S/Accident	
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	2	2	0	2	2	2	2	0	2	2
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Gold	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
Iron	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Silica	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Fall of Objects incl. Rolling Objects	0	0	0	3	3	1	1	0	0	0	3	3	0	6	6	4	4	0	9	9
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	0	0	0	3	3	9	10	1	0	0	4	4	0	11	11	13	14	1	14	14
Asbestos	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	1	0	0	0	0	0	0	0	1	1	1	0	0
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Flying Pieces(Except due to Explosives)	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	2	2	1	1	1
Granite	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	5	6	0	0	0	5	6
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Unclassified	0	0	0	0	0	0	0	0	1	1	0	0	0	5	6	0	0	0	6	7
TOTAL : OTHER CAUSES	0	0	0	0	0	3	3	1	2	2	0	0	0	5	6	3	3	1	7	8
ALL INDIA : ALL NON-COAL MINERALS	4	4	0	10	10	32	34	3	5	6	9	10	10	20	22	45	48	13	35	38

STATEMENT NO. 4.8

Fatal accidents and casualties in non-coal mines by broad causes in 2015

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	--	--	--	--	1	--	1	1	2	5
Killed-Injr :	--	--	--	--	1- 0	--	1- 0	1- 0	3- 0	6- 0
Dumpers	--	--	1	--	1	3	--	--	3	8
Killed-Injr :	--	--	1- 0	--	1- 0	3- 0	--	--	3- 1	8- 1
Trucks	--	--	--	--	1	1	--	--	3	5
Killed-Injr :	--	--	--	--	1- 0	1- 0	--	--	3- 0	5- 0
Other Machinery	--	--	1	1	2	--	--	2	--	6
Killed-Injr :	--	--	1- 0	1- 0	2- 0	--	--	2- 0	--	6- 0
Fall of Persons	1	--	--	--	--	1	--	3	4	9
Killed-Injr :	1- 0	--	--	--	--	1- 0	--	4- 1	4- 0	10- 1
Fall of Objects	2	--	--	--	--	--	--	--	2	4
Killed-Injr :	2- 0	--	--	--	--	--	--	--	2- 0	4- 0
Other Causes	1	--	--	--	--	--	--	--	5	6
Killed-Injr :	2-10	--	--	--	--	--	--	--	5- 1	7-11
Below Ground	--	1	2	--	--	--	1	--	--	4
Killed-Injr :	--	1- 0	2- 0	--	--	--	1- 0	--	--	4- 0
Opencast	--	--	1	--	2	5	--	6	18	32
Killed-Injr :	--	--	1- 0	--	2- 0	5- 0	--	7- 1	19- 2	34- 3
Above Ground	4	--	--	1	3	--	--	--	1	9
Killed-Injr :	5-10	--	--	1- 0	3- 0	--	--	--	1- 0	10-10
TOTAL	4	1	3	1	5	5	1	6	19	45
Killed-Injr :	5-10	1- 0	3- 0	1- 0	5- 0	5- 0	1- 0	7- 1	20- 2	48-13

STATEMENT NO. 4.9

Serious accidents and seriously injured persons in non-coal mines by broad causes in 2015

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	1	1	--	--	1	--	--	3
Injured :	--	--	1	1	--	--	1	--	--	3
Fall of Sides	--	1	--	1	--	--	--	--	--	2
Injured :	--	1	--	1	--	--	--	--	--	2
Other Machinery	1	--	1	--	3	--	--	--	2	7
Injured :	1	--	1	--	3	--	--	--	2	7
Fall of Persons	4	--	--	--	1	--	--	--	--	5
Injured :	4	--	--	--	1	--	--	--	--	5
Fall of Objects	2	1	2	2	2	--	--	--	--	9
Injured :	2	1	2	2	2	--	--	--	--	9
Other Causes	6	--	--	--	2	1	--	--	--	9
Injured :	8	--	--	--	3	1	--	--	--	12
Below Ground	--	2	3	3	--	--	1	--	1	10
Injured :	--	2	3	3	--	--	1	--	1	10
Opencast	--	--	--	--	4	1	--	--	--	5
Injured :	--	--	--	--	5	1	--	--	--	6
Above Ground	13	--	1	1	4	--	--	--	1	20
Injured :	15	--	1	1	4	--	--	--	1	22
TOTAL	13	2	4	4	8	1	1	--	2	35
Injured :	15	2	4	4	9	1	1	--	2	38

STATEMENT NO. 4.10

Regionwise/Zonewise accidents in non-coal mines in 2015

Region / Zone	Fatal Accidents			Serious Accidents	
	Accident	Killed	Injured	Accident	Injured
Guwahati	2	2	--	6	6
Sitarampur III	--	--	--	1	1
Eastern Zone	2	2	--	7	7
Ahmedabad	--	--	--	6	8
Surat	1	2	10	--	--
Udaipur	12	13	--	2	2
North-Western Zone	13	15	10	8	10
Ajmer	4	4	--	5	5
Gwalior	1	1	--	--	--
Ghaziabad	1	1	--	1	1
Udaipur	1	1	--	--	--
Varanasi	5	5	1	--	--
Northern Zone	12	12	1	6	6
Hyderabad I	--	--	--	1	1
Hyderabad II	5	6	--	--	--
South-Central Zone	5	6	--	1	1
Chaibasa	3	3	--	2	2
South-Eastern Zone	3	3	--	2	2
Bangluru	1	1	--	1	1
Bellary	3	3	1	5	5
Chennai	3	3	1	--	--
Southern Zone	7	7	2	6	6
Bilaspur	1	1	--	4	5
Jabalpur	1	1	--	--	--
Nagpur I	1	1	--	1	1
Western Zone	3	3	--	5	6
ALL INDIA	45	48	13	35	38

STATEMENT NO. 4.11

Fatal accidents in non-coal mines by cause and responsibility in 2015

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Misadventure	-	-	-	-	-	-	-	1	-	1
Management	2	-	2	1	-	1	1	5	1	13
Management & Sub. Sup. Staff(SSS)	4	-	2	1	-	1	-	2	1	11
Management, SSS & Deceased	-	-	2	-	-	-	-	-	-	2
Management & Coworker	-	1	4	-	-	-	-	-	-	5
Management, Coworker & Deceased	-	1	-	-	-	-	-	-	-	1
Management & Deceased	-	-	-	-	-	-	-	2	-	2
Subordinate Supervisory Staff(SSS)	1	-	1	-	-	-	-	1	1	4
Coworker	-	-	2	-	-	-	-	1	-	3
Coworker & Deceased	-	-	1	-	-	-	-	-	-	1
Deceased	-	-	1	-	-	-	-	1	-	2
Total	7	2	15	2	0	2	1	13	3	45

STATEMENT NO. 4.12

Summary of Findings of Enquiries into Fatal Accidents in Non-Coal Mines during 2015

Code : 0100 Ground Movement

Code : 0111 Fall of Roof
(2 Deaths)

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1. Date - 16/05/15
   Time - 20.15

   Mine - KHETRI COPPER MINE
   Owner - HINDUSTAN COPPER LTD.
   Dist. - Jhunjhunu, State - Rajasthan
   Person(s) Killed :
   1. Vijendra Singh, Driller, Male, 32 Years

While two drillers were connecting compressed air hose-pipe to jack hammer drill machine at a distance of 3.5m from the development face in an underground Metalliferous Mine, a mass of stone measuring about 1.0m(length) x 0.5m(width) x 0.35m (thick)fell from the unsupported roof from a height of about 4.0m on one of the drillers inflicting serious bodily injuries to him to which he succumbed after about seven hours.

Had the workings within 9.0m of the face been kept secured by rock bolts in accordance with the requirements of the Systematic Timbering Rules framed by the manager and approved vide this Directorate's letter No. 1882, dated 07.06.1988 and the face not been worked in contravention thereof, as required by Regulation 112(2) (C) of the Metalliferous Mines Regulations,1961, this accident could have been averted.

2. Date - 28/11/15
   Time - 3.30

   Mine - KAYAD UNDERGROUND MINE
   Owner - HINDUSTAN ZINC LTD.
   Dist. - Ajmer, State - Rajasthan
   Person(s) Killed :
   1. Nana Lal Mali, Gen worker, Male, 24 Years

While a crew of four General Mazdoors standing on a scissor lift was charging ring holes in hanging wall drive of a stope, a mass of rock separated from the roof of the drive, supported in accordance with the SSR, broke into two pieces measuring about 1.5m x 0.7m x 0.3m and 1m x 0.4m x 0.25m in size and fell down over the platform of scissor lift from a height of about 1.5m, inflicting serious bodily injury to one of them to which he succumbed on way to hospital.

Had,

the roof been properly examined to ascertain the condition thereof as regards to the state of the roof, as required by Regulation 116(3)(b) read with Regulation 47(2)(a) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

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

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3. Date - 14/01/15
   Time - 16.30
   Mine - CHIKLA MANGANESE MINE
   Owner - MANGANESE ORE [INDIA] LTD.
   Dist. - Bhandara, State - Maharashtra
   Person(s) Killed :
   1. Saras Hariram,Piece Rated Worker, Male, 43 Years

While blasted muck was being removed manually in a stope of underground manganese mine, suddenly rock mass measuring about 6.5m X 3.0m X 0.45m thick parted from the hanging wall side right from floor level to the roof level (at 3m height) and fell over a face worker, inflicting serious bodily injuries to him to which he succumbed while being transported to the hospital.

Had,

the hangwall side of the stope been made and kept secured as required under Regulation 112 of the Metalliferous Mines Regulations 1961 and the stope been stowed with sand as prescribed,

this accident could have been averted.

4. Date - 22/02/15
   Time - 9.00
   Mine - MASARO KI OBERI SERPENTINE MINE
   Owner - M/S NARAYAN MARBLE
   Dist. - Udaipur, State - Rajasthan
   Person(s) Killed :
   1. Govind Meena, Worker, Male, 30 Years
   2. Prakash, Worker, Male, 27 Years

While two workers were working at the tow of 6m high side of a second bench in an opencast marble mine, all of a sudden a block of marble measuring about 7m (Length) X 2m (Width) X 1.25m (Thickness) fell from a height of about 4.5m and broken into pieces and the workers were buried under the marble piece of size 3m (Length) X 2m (Width) X 1.25m (Thickness) inflicting fatal injury to both the workers.

Had, it been ensured that sides are adequately benched, sloped and secured so as to prevent danger from fall of sides as required under the provisions of Regulation 106(3) of the Metalliferous Mines Regulations, 1961.

this accident could have been averted.

5. Date - 11/08/15
   Time - 8.00
   Mine - BILLI MARKUNDI STONE MINE(5390,91,94-96)
   Owner - M/S DEEPALI SEWA SAMITI
   Dist. - Sonebhadra, State - Uttar Pradesh
   Person(s) Killed :
   1. Hari Lal Baiga, Labour, Male, 30 Years

While a contractual worker was standing near the high-wall of a stone quarry, loose boulders embedded and hanging on the high-wall fell from a height of 22.5m on him inflicting serious bodily injuries,to which he succumbed while on way to the hospital.

Had

the sides of opencast workings been benched and kept sloped, secured and dressed of all loose stones/boulders,as to prevent fall of sides as required by the provisions of Regulation 106 of the Metalliferous Mines Regulations,1961,

this accident could have been averted.

6. Date - 21/10/15
Time - 13.30

Mine - ARASU I MAGNESITE MINE
Owner - TAMIL NADU MAGNESITE LTD.
Dist. - Salem, State - Tamilnadu
Person(s) Killed :
1. G.Venkatachalam, Face Worker, Male, 62 Years

While two workers was engaged for picking magnesite from runoff mine against side of a bench in an opencast mine, side of the bench slided, partially buried one worker and one boulder measuring about 0.3m x 0.24m x 0.15m fell and hit him inflicting serious bodily injuries which turned fatal after nine days.

Had,

i) the sides of the bench been dressed properly before employing persons at the bottom of the bench as required under Regulation 106(3) of the Metalliferous Mines Regulations 1961 and

ii) effective supervision been provided as required under Regulation 116(3)(b), 46(1)(a) & 45(1) &(3) of the Metalliferous Mines Regulations 1961,

this accident could have been averted.

7. Date - 08/11/15
Time - 10.00

Mine - TANTRA-RAIKELA & BANDHAL IRON MINE
Owner - JINDAL STRIPS LTD.
Dist. - Sundergarh, State - Orissa
Person(s) Killed :
1. Seru Mandal,HEMM operator, Male, 35 Years

While an operator was marching an excavator on a bench of an open cast mine the sides of the bench measuring about 21m x 4.5m of the bench slided and the excavator fell on the lower bench from a height of about 9m with the slided materials and the operator with cabin was buried in it who was rescued after 15 min and died on the way to Hospital.

Had,

the sides of the bench been secured so as to prevent danger of fall of sides, as required under Reg 106(3) of the MMR 1961.

This accident could have been averted.

Code : 0200 Transportation Machinery (Winding)

Code : 0228 Overwinding of Cages/Skip (downgoing) (1 Death)

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8. Date - 12/09/15
   Time - 13.50

Mine - MOCHIA LEAD AND ZINK MINE
Owner - HINDUSTAN ZINC LTD.
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :
1. Prem Singh Mal,Bellman, Male, 49 Years

While the man winding cage was signaled for lowering it from a landing level in an underground mine, the roof of the cage got stuck up with the lift bridge, as the lift bridges were forgotten to be lifted up, and the cage on getting released, travelled at high speed before coming to a stop; the bellman inside the cage, received serious bodily injuries to which he succumbed instantly.

Had

i) it been ensured that the lifting bridge was lifted before lowering of the cage as required under Regulations 55(i) of Metalliferous Mines Regulation,1961;

ii) it been ensured that the winding engine would stop immediately on loosening of the winding ropes on the drum as required under Regulation 181 of Mettalliferous Mines Regulations, 1961;

iii) the gap between the cage and the landing level (8 level) been maintained not more than 50mm as required under Regulation 82 of Metalliferous Mines Regulations, 1961 read with DGMS Circular (Technical)No. 7/2009;

iv) there been a system working to interlock the operation of the winding engine with the lifting of lift bridge, so that the cage could not have moved unless and until the lifting bridge was lifted to clear the space for movement of cage in the shaft, as required under Regulation 81(3)(b) of Metalliferous Mines Regulations, 1961;

v) there been a system working, to ensure that the winding engine would stop if there was any uneven slackness of winding ropes as required under DGMS Circular (Technical) No. 7/2001; and

vi) there been a system working, to ensure that the winding engine would stop of the tail rope loop was getting shortened as required under DGMS Circular (Technical) no. 7/2011.

this accident could have been averted.

Code : 0229 Other Accident due to Winding Operation (1 Death)

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9. Date - 30/09/15
Time - 3.45

Mine - HUTTI GOLD MINE
Owner - HUTTI GOLD MINES CO. LTD.
Dist. - Raichur, State - Karnataka
Person(s) Killed :
1. Sangappa,Mazdoor cum signalman, Male, 49 Years

While a hoisting mazdoor cum signalman was cleaning accumulated muck over a changeover door/flap by standing on the same at headgear frame of vertical shaft on surface,to facilitate changeover of door/flap from waste to ore storage bin,skip containing ore was unloaded into unloading pocket, carrying the mazdoor along with ore into waste rock storage bin resulting serious bodily injuries which proved fatal after about one and half hours.

Had

i) the banksman who was aware about the work and presence of the mazdoor at the changeover door/flap not given signal to unload skip;

ii) a system/ mechanism been put in place to ensure that power supply in winder disconnected before persons were allowed to work on or in vicinity of changeover door/flap;

iii) a system of changeover door/flap by cleaning by proper tools from landing platform been implemented as stipulated in Safe Operating Procedure (SOP's) framed by manager

as required under Regulation 44(3)(a), Regulation 45(1), Regulation 53(a)&(d),Regulation 55 and Regulation181 of the Metalliferous Mines Regulations,1961 read with DGMS Circular (Tech) No. 13 of 2002 and Section 18(4) of the Mines Act,1952

this accident could have been averted.

Code : 0300 Transportation Machinery (Non-Winding)

Code : 0334 Conveyors (1 Death)

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10. Date - 14/07/15
Time - 23.20

Mine - BARSUA IRON ORE MINE
Owner - RAW MATERIAL DIVISION (SAIL)
Dist. - Sundergarh, State - Orissa
Person(s) Killed :
1. Kaushal Kandulna, Contrct.Worker, Male, 41 Years

While a contractor worker was taking measurement of discharge end take up pulley of a conveyor belt by standing on it, in an ore handling plant of an open cast mine, the belt was operated, trapping him between conveyor belt and talk up pulley receiving serious bodily injuries to which he succumbed instantaneously.

Had,

the person not been allowed to take measurement of pulley of a conveyor belt while in motion without following Clause 3 of Standard Maintenance Practice to Assist in Maintenance Work at OHP & Beneficiation Plant Document No. 2C for Shut down thus negligently omitting to ensure the safety of persons in contravention of Regulation 174(3) read with Regulation 181 and 53(a) of Metalliferous Mines Regulation 1961.

Code : 0335 Dumpers
(8 Deaths)

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11. Date - 05/01/15
Time - 16.45

Mine - CHECHAT LIMESTONE MINE
Owner - M/S DILIP KUMAR MOTILAL JAIN
Dist. - Kota, State - Rajasthan
Person(s) Killed :
1. Jugraj,Helper, Male, 25 Years

While a tipper was edge-dumping/tipping overburden material over the mine face for back-filling the worked out area in an opencast mine, the tipper rolled over the unstable edge to fall 20m below. Whereas the tipper operator jumped out to save himself, a helper sitting on the other side received serious bodily injuries to which he succumbed whilst undergoing treatment at the hospital after about an hour.

Had a protective berm not less than half the diameter of the tippers deployed for back-filling been made and kept maintained inbye of the unstable tipping-edge to ensure that the tippers were not reversed upto the unstable ground during dumping of overburden, as required by clause 14.0 of Directorate's letter No. Aj/89 dated 07.01.2002 granting relaxations from the provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961, read with Appendix - D of DGMS Circular Tech. No. 01 of 1989,

this accident could have been averted.

12. Date - 07/01/15
Time - 8.30

Mine - JHANJHAR MARBLE MINE
Owner - SHRI MOHIT MAHESHWARI
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Lahrilal,Mazdoor, Male, 22 Years

While a dumper was being reversed on a haul road in a marble mine, a mazdoor, who was present at the rear side, was hit by the rear of the dumper sustaining serous bodily injuries to which he later succumbed in the hospital.

Had

i) the dumper not been reversed without ensuring that no person was present in the rear side of the dozer as required under Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 read with clause no. 13.1(e) of Appendix of circular no. 36 of 1972; and

ii) the mine not been worked appointing a duly qualified manager as required under the provision of section 17(1) of the Mines Act, 1952 read with Regulation 34(1) of the Metalliferous Mines Regulations, 1961.

this accident could have been averted.

13. Date - 12/02/15
Time - 18.45

Mine - SUBBRAYANAHALLI IRON ORE MINE
Owner - MYSORE MINERALS LTD.
Dist. - Bellary, State - Karnataka
Person(s) Killed :
1. Veeresh, Tipper Driver, Male, 23 Years

While a tipper driver along with his helper was driving a tipper on a downhill haul road with 1 in 10 gradient, having air leakage in brake hose, the driver lost his control over the tipper due to failure of brake and the tipper fell down to lower haul road at a depth of 15m after crossing over the berm of 0.6m height inflicting fatal injuries to the driver.

Had

i) Ensured that the competent persons carried out their respective duties in a proper manner as required under the provision of Regulation, 46(2)(a) of the Metalliferous Mines Regulations, 1961 and,

ii) Ensured that every tipper plying in the mine was mechanically sound and in efficient working order as required under the provision of Regulation, 106(2)(b) of the Metalliferous Mines Regulations, 1961 read with Clause no. 5(2)(a) of HEMM governing conditions of letter no. H-II/3893 dated: 26.12.1996,

this accident could have been averted.

14. Date - 29/09/15
Time - 9.35

Mine - VEERBHADRA GRANITE MINE
Owner - M/S VEERBHADRA MINERALS PVT. LTD.
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. N.V.Subbaiah,Dumper Optr., Male, 55 Years

While a dumper was driven up a steep haul road at a gradient of 1 in 7 of an opencast mine, slowed to give pass to a light vehicle, the dumper failed to accelerate further, got uncontrolled and started rolling back, in the meanwhile the operator jumped off the cabin and received serious injuries to which he succumbed while being taken to the hospital.

Had

i) the gradient of the main haul road at the mine been maintained as required under condition no. 8.4 (Annexure 106A) of the permission granted under Reg.106(2)(b) of the Metalliferous Mines Regulations, 1961,

ii) the dumper been effectively provided and maintained with safety features as required under permission condition no. 13 (Annexure 106A) of the permission granted under Reg. 106(2)(b) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

15. Date - 15/10/15
Time - 16.30

Mine - Red Hills Magnesite Mine
Owner - M/S SAIL REFRACTORY CO.LTD.
Dist. - Salem, State - Tamilnadu
Person(s) Killed :
1. P.Soundararajan,Mining Mate, Male, 46 Years

While a tipper loaded with magnesite was overtaking two persons moving on a motorcycle at the end of a shift on a road within leasehold of an opencast mine, the tipper hit the motorcycle due to which the rider who was driving the motor cycle fell down below the rear wheel of the tipper inflicting fatal injuries while the pillion rider sitting behind him escaped with minor injuries.

Had

the driver of the tipper overtaken the motorcycle safely and not driven the tipper negligently so as to endanger safety of the person moving there at, as provided under Regulation 181 of Metalliferous Mines Regulations, 1961,

this accident could have been averted.

16. Date - 17/10/15
Time - 23.00

Mine - CHECHAT LIMESTONE MINE(M.L.NO.95/2008
Owner - JAIDEEP SINGH ANAND
Dist. - Kota, State - Rajasthan
Person(s) Killed :
1. Sunder,Drill helper, Male, 30 Years

While an empty tipper was returning from waste dump yard, it hit a drill-helper on surface haul road inflicting serious bodily injuries to him, to which he succumbed whilst on way to hospital.

Had,

i) Adequate general lightening, conforming to standards laid down in GSR 829 dated 18.06.1975 (DGMS Circular No. Legis, 3 of 1976), been provided during working hours at different places where natural light was insufficient, as required by the provisions of Regulation 146 and Regulation 148 of the Metalliferous Mines Regulation, 1961.

ii) The operator's cabin of the tipper provided with a wind screen and the tipper been kept maintained in good and safe working condition, as required by clause 5.9 of Directorate's letter No. 1130 dated 14.02.2012 granting permission under Regulation 106(2)(b) of the Metalliferous Mines Regulation, 1961, and,

iii) an engineer, holding prescribed qualifications has been appointed at the mine to hold general charge of machinery and equipment deployed in the mine, and be responsible for their installation, maintenance and safe working, as required by the provisions of Regulation 36 and clause 10.2 of Directorate's letter No. 1130 dated 14.02.2012 granting permission under Regulation 106(2)(b) of the Metalliferous Mines Regulation, 1961.

this accident could have been averted.

17. Date - 19/10/15
Time - 12.45

Mine - KARANKOTE LIMESTONE MINE
Owner - CEMENT CORPN. OF INDIA LTD.
Dist. - Ranga Reddy, State - Andhra Pradesh
Person(s) Killed :
1. Anil M.Hanumante,Tipper Operator, Male, 36 Years

While operator was driving a tipper on a Haul Road of gradient 1 in 20 of a Limestone opencast mine, the operator lost control and caused the tipper to topple on to a lower bench as a result, the operator received fatal injuries.

Had,

it been driven at a controlled speed, defensively, avoiding distractions thus not negligently omitting to ensure his own safety as required under provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

18. Date - 14/12/15
Time - 22.30

Mine - RAMPURA AGUCHA LEAD & ZINC OPEN CAST MIN
Owner - HINDUSTAN ZINC LTD.
Dist. - Bhilwara, State - Rajasthan
Person(s) Killed :
1. Bhupendra Paliwal,Dumper Optr., Male, 51 Years

While a dumper operator, after parking his dumper during shift changeover, was moving across the parking yard towards exit, a 220T Komatsu 830 E make dumper being driven out of the parking yard ran over him, inflicting instant fatal injury.

Had

i) the dumper been driven defensively (paying due caution to the warnings given by proximity warning device), as required by clause 11(b) of the Directorate's letter No. AJ/DMS/Prem-106(2)(b).Metal/2009/3703 dated 17.07.2009 granting relaxations from the provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 and

ii) none ventured in close proximity of the moving dumper, thus not negligently endangering his own life and safety, as called for by the provisions of Regulations 181 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

Code : 0336 Wagon Movements
(1 Death)

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19. Date - 13/05/15
Time - 12.00

Mine - DALLI MECHANISED IRON ORE MINE
Owner - M/S BHILAI STEEL PLANT
Dist. - Balod, State - Chhattisgarh
Person(s) Killed :
1. Ramnath,Contract Employee, Male, 34 Years

While a contractor employee deployed as points man was standing on a ladder of leading moving railway wagon of a rake of seventeen empty wagons being pushed by a locomotive at bottom station of an opencast Iron ore mine, lost his balance, fell down and run over by the wagon resulting into fatality.

Had,

i) the person not stood on a ladder of leading moving wagon of a rake of empty wagons being pushed by locomotive and accompained it by walking along the track line for giving signal, thereby not negligently endangering his own life as required under the code of practice framed by the manager, Reg. 57(7) and 181 of the Metalliferous Mines Regulation 1961.

ii) the movement of wagons been carried out under the supervision of competent persons and prevented the points man from riding on a moving wagon by standing on its ladder as required under Reg. 104(2) read with Reg. 104(8) of Metalliferous Mines Regulation 1961,

this accident could have been averted.

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

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20. Date - 30/01/15
Time - 11.00

Mine - KABIR CHAWDA PANCHPERA PAHAR SANDSTONE 8
Owner - SHRI KABIR CHAWDA
Dist. - Nagaur, State - Rajasthan
Person(s) Killed :
1. Ajharuddin, Mazdoor, Male, 21 Years

While a mazdoor was engaged in fixing wedges in blocks of sandstone loaded in a truck in an opencast sandstone mine the truck was suddenly started and moved down a ramp in the mine causing one of the blocks of the size of about 1.8m X 1.0m X 0.5m to shift and hit the mazdoor to press him against side of hopper of the truck inflicting seious bodily injuries to which he succumbed on way to a hospital.

Had

i) the truck not been negligently driven without ensuring that the sandstone blocks were secured and the mazdoor was out of hopper of the truck therebye not endangering his 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 Regulation 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.

21. Date - 26/02/15
Time - 14.15
Mine - SETHURAYANPUDUR LIMESTONE MINE
Owner - K. KRISHNAMOORTHY
Dist. - Tirunelveli, State - Tamilnadu
Person(s) Killed :
1. A.Thangapandy,Driller, Male, 55 Years

While a driller helper-cum-compressor operator was driving the tractor mounted compressor (TMC) on a haul road of an opencast mine, he lost control over it and the tractor toppled down, as result he was stuck beneath the tractor, inflicting serious bodily injuries to which he succumbed on the way to hospital.

Had,

a duly qualified manager been appointed for overall management, supervision, direction and control of the mine, as required under Regulation 34 of the Metalliferous Mines Regulations, 1961 read with section 17 of the Mines Act, 1952,

this accident could have been averted.

22. Date - 02/05/15
Time - 17.30
Mine - MORWAD MARBLE MINE
Owner - R.K.MARBLE PVT. LTD.
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Shankar Meena, Worker, Male, 21 Years

While a worker was engaged in loading the long hole drill rods in a pick and carry crane van, suddenly the jack of the stabliser was retracted by a crane operator helper from the opposite side as a result inflicting serious injuries to the worker, who succumbed to his injuries on way to the hospital.

Had the control lever of the jack of the stabliser not been operated form the side opposite to the side from which loading was being done in the pick and carry crane van thereby negligently endangering the live of a co-worker, as required under Regulation 181 of Metalliferous Mines Regulations, 1961, this accident could have been averted.

23. Date - 11/06/15
Time - 21.15
Mine - MEGHATUBURU IRON ORE MINE
Owner - RAW MATERIAL DIVISION (SAIL)
Dist. - West Singbhum, State - Jharkhand
Person(s) Killed :
1. Dipnarayan Mahato,Sampler, Male, 56 Years

While a person was walking on a pucca road in the plant area of an open cast mine he was hit by a reversing light vehicle inflicting serious bodily injuries resulting into death during treatment at hospital after about 15 hours

Had

i) the light vehicle not been reversed carelessly thus not negligently omitting to ensure the safety of the person walking on the road in contravention of the provision of the Reg 181 of the MMR 1961.

ii)the light vehicle been provided with Audio visual reversal alarm and a separate parking place near OHP control Room,thus not negligently omitting to ensure safety of person walking on the back side of the light vehicle in contravention of the Reg 181 of the The MMR 1961.

this accident could have been averted.

24. Date - 12/09/15
Time - 1.30

Mine - MORWAD MARBLE MINE
Owner - M/S SONI MARBLE
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Ram Meena,Wire Saw helper, Male, 32 Years

While a tractor was being driven down along a steep haul road in an opencast mine;suddenly, the brakes of the tractor failed, tractor ran down uncontrolled and collided with a compressor in the adjoining mine which in turn hit two persons sitting behind it. One of them escaped unhurt, while the other during escaping away got entangled with the sting of the wire saw machine in operation nearby and received serious bodily injury to which he succumbed after Five(5) days during treatment in hospital.

Had

i)the gradient of the ramp not been steeper than 1 in 10 as required under provisions of Regulation 106(2)(b) of the Metalliferous Mines Regulations, 1961 read with condition No. 8.0(5)(4) of the permission No. UR/4085 dated 22.08.2007.

ii) the brakes of the tractor been maintained properly in good and safe working condition as required under provision of Regulation 172 of the Metalliferous Mines Regulations,1961 read with condition No. 10.0 (3)(a) of the permission No. UR/4085 dated 22.08.2007.

iii) the operator driven the tractor defensibly thus not negligently endangering the life of the person employed in the adjacent mine as required under provisions of Regulation 181 of the Metalliferous Mines Regulations,1961 read with condition No. 14.0(2) of the permission letter No. UR/4085 dated 22.08.2007.

this accident could have been averted.

Code : 0400 Machinery Other than Transp. Machinery

Code : 0449 Other Non-Transportation Machinery (2 Deaths)

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25. Date - 25/02/15
Time - 9.30

Mine - BILLI MARKUNDI STONE(AS 4601,2,3,6,8,9)
Owner - M/S B.AGRAWAL STONE PRODUCTS LIMITED
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :
1. Anita Kumari,Labour, Female, 22 Years

While one female contractual worker was standing near a tractor compressor at the top of the quarry, her scarf/duppata got entangled in the moving belt-drive of the compressor, strangulating her and inflicting serious injuries to her neck to which she succumbed within half an hour whilst on way to the hospital.

Had

i) the moving parts/belt-drive of the tractor-compressor been adequately fenced by suitable guards of substantial construction to prevent danger and such guards been kept in position while the tractor-compressor was in use, and none wearing loose clothes been allowed in close proximity of such moving machinery, as required by the provisions of Regulation 174(2) & (5) of the Metalliferous Mines Regulations, 1961, and,

ii) the mine, in absence of the manager, been placed under the charge of a duly qualified person authorized to act as 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, or working of the mine been kept suspended till the return of the Manager from his leave, as required by the provisions of Regulation 34(7)(a) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

26. Date - 25/06/15
Time - 9.15

Mine - BILLI MARKUNDI STONE MINE(A.NO.7407)
Owner - ASHOK KUMAR MISHRA
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :
1. Nisha Kumari,Cont.Labour, Female, 19 Years

While a female contractual worker was hurriedly running past a tractor-compressor engaged for drilling at the bed of a stone quarry, her scarf/dupatta got entangled in the moving belt-drive of the compressor, strangulating her and severing her head from her body to which she succumbed almost instanteneously.

Had

the moving parts/belt-drive of the tractor-compressor been adequately fenced by suitable guards of substantial construction to prevent danger and such guards been kept in position while the tractor-compressor was in use, and none wearing loose clothes been allowed in close proximity of such moving machinery, as required by the provisions of Regulation 174(2) & (5) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

Code : 0600 Electricity

Code : 0665 Power Cables Other Than Trailing Cables (2 Deaths)

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27. Date - 05/10/15
Time - 12.30

Mine - JHANJHAR MARBLE MINE M/L NO.26/11
Owner - SHRI HEERALAL TELI
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Ramlal Meena,Mine Mazdoor, Male, 29 Years

While a Mine Mazdoor attempting to repair the live jointed cable connected to the 3 HP mono block pump motor, received electric shock and succumbed to his injuries in the hospital after half an hour,

Had

non designated person not been deployed and adequate work permit procedure for disconnection of power supply been followed as required under provision of Reg.3(1) read with Reg.19(3) & Reg.19(1) of Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010,

this accident could have been averted.

28. Date - 29/11/15
Time - 18.15

Mine - MIDWEST GRANITE MINE
Owner - MIDWEST GRANITE PVT. LTD.
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. Hemanth Choudhary,Wire-saw Helper, Male, 19 Years

While a person was priming 5HP pump in a quarry bed of an opencast granite mine, he received electric shock due to defective cable lying in water which proved fatal on the way to hospital.

Had

the cable been used in good condition as required under Reg. 107(5);

the installation of apparatus re-erected in the mine examined and tested before it is put into service in a new position as required under the provisions of Reg. 115(3) (ii) of Central Electricity Authority (Measures Relating to Safety and Electric Supply) Regulations, 2010, and;

the electrical equipment been placed at proper safe place, which was necessary for the life and safety of persons employed in such operation as was required under Regulation 94(1) and read with Reg-98(3) and Reg-109(1) of Central Electricity Authority (Measure Relating to Safety and Electric Supply) Regulations, 2010,

this accident could have been averted.

Code : 0700 Dust, Gas & Other Combustible Material

Code : 0776 Well Blowout (With Fire)
(2 Deaths)

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29. Date - 18/04/15
Time - 22.30

Mine - ANKLESWAR PROJECT OIL MINE
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Bharuch, State - Gujarat
Person(s) Killed :
1. Shivaram Kalgude,Contract crane opt, Male, 51 Years
2. Manhar Vankar, cont.crane oprt., Male, 37 Years

While Pulling out operation of string in a Work over Gas well was carried out, suddenly,blow out occurred and caught fire after two days, during lifting of CAT walk near the Gas well with the help of a 24 Volts battery started diesel operated 40 Tonnes hydraulic crane deployed at a distance of about 16m from the blow out well, in which 12 persons sustained burn injuries and two of them succumbed to their injuries after 10 days.

Had

i) Hydrostatic pressure of the fluid column (brine) overbalanced the formation pressure to prevent the leakage of petroleum/gas at the Wellhead, thus,not negligently or willfully endangered the safety of the mine or of the persons employed therein, as required under Regulation 98 of the Oil Mines Regulations,1984, and

ii) Proper Blowout preventer assembly been securely installed and maintained at the Wellhead during Well service Operation as required under Regulation 56(5) (a) of the Oil Mines Regulations,1984, and

iii) 24 Volts battery started diesel operated 40 Tonnes capacity Hydraulic Crane not deployed within 500m of the Well on the down wind direction as demarcated as danger Zone for lifting of CAT Walk, as required under Regulation 46(2)(b) of the Oil Mines Regulations,1984 and,24 Volts battery started diesel operated 40 Tonnes hydraulic crane not used in danger Zone, as required under Regulation 46(2)(b)(i) of the Oil Mines Regulaions,1984,

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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30. Date - 03/01/15
Time - 8.30

Mine - BILLI MARKUNDI STONE MINE(S.N.7402KA,740
Owner - SHRI RAM NARESH
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :
1. Ram Govind,Mine Worker, Male, 23 Years

While, three persons were employed for drilling on a ledge at a height of about 12.5m on a 29.7m high and near vertical side of a stone quarry, one worker slipped and fell down onto blasted stone below and received serious bodily injuries, to which he succumbed whilst on way to the hospital.

Had

i) the sides of the opencast workings been kept benched, sloped and secured whilst working the mine and the mine been worked by benching the sides top downwards and under personal supervision of a manager, as was required by the provisions of Regulation 106(1)(2) & (3) of the Metalliferous Mines Regulations 1961, and stipulations of Directorate's letter No. S 29013/103/2013-14/VR(NZ)/SNB-Stone/1564 dated 24.12.2013 imposing Order under Section 22(3) of the Mines Act, 1952, and,

ii) 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 Regulation, 34(1)(a) of the Metalliferous Mines Regulations,1961,and

iii) 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 they were secured by a safety belt/full body harness of an approved type, suitably fixed to prevent them 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,

this accident could have been averted.

31. Date - 30/03/15
Time - 11.00

Mine - DHELANA SERPENTINE MINE
Owner - M/S EVERGREEN MARBLE
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :
1. Kailash Meena, General Mazdoor, Male, 44 Years

While a worker was engaged in drilling in the marble block on the floor of First bench in an opencast marble mine, the moment he started drilling,the drill rod was subjected to severe vibration probably due to failure in adopting proper drilling methodology and this vibration was transmitted in the body of the worker resulting his imbalance and as he was standing on the edge of the floor of the first bench,he fell down on the floor of second bench (quarry bed from a height of approx.4m,which inflicted fatal injury to him.

i) the person used the safety belt provided by the management while performing drilling operation,an act done negligently which endangered the life of the worker under provisions of Regulation 41(1)(a) read with Regulation 181 and Regulation 182c of the Metalliferous Mines Regulations,1961.
ii) it been ensured that all the persons are using protective equipments including safety belt, an act done by him either negligently or willfully and which endangered the life of the worker in the mine under provisions of Section 18(5) of Mines Act, 1952 read with Regulation 44(9) of the Metalliferous Mines Regulation, 1961.

This accident could have been averted

32. Date - 16/04/15
Time - 13.00

Mine - UMRAYA MARBLE MINE
Owner - M/S VIKASH BALAJI MARMO PVT. LTD
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Pintu Gupta, Driller, Male, 38 Years

While a worker was engaged in observing the drilling area in the marble block on the floor of First bench in an opencast marble mine, he slipped resulting into his getting imbalanced and he fell down from the floor of the first bench to the floor of the second bench (i.e quarry bed) from a height of approx. 6m, receiving serious injuries in the head to which he succumbed after 14 hours while under treatment at the hospital.

Had

i) the person used the safety belt provided by the management while performing drilling operation, thus not negligently endangered his own life as required under the provisions of Regulation 182C read with Regulation 181 of the Metalliferous Mines Regulations, 1961.

ii) the manager of the mine ensured that all the persons are using protective equipments including safety belt, to avoid an act which endangered the life of the worker in the mine as required under the provisions of Section 18(5) of Mines Act, 1952 read with Regulation 44(9) of the Metalliferous Mines Regulations, 1961.

this accident could have been averted.

33. Date - 23/04/15
Time - 15.00

Mine - NIZARNA MARBLE MINE (ML.NO. 59/08)
Owner - M/S PARSAWNATH MARBLE
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Ramlal ,General Mazdoor, Male, 26 Years

While a worker was engaged in placement of air bag for its inflation so as to topple the marble block on the floor of second bench in an opencast marble mine, he slipped resulting into his getting imbalanced and he fell down from the floor of the second bench to the floor of the 3rd bench (i.e. quarry bed from a height of approx. 6m, receiving serious injuries in the head to which he succumbed on the way to hospital.

Had

i) the Owner of the mine ensured that all the persons have been provided protective equipments including safety belt, to avoid an act which endangered the life of the worker in the mine as required

under the provisions of Section 18(4) of Mines Act, 1952 read with Regulation 181 of the Metalliferous Mines Regulations, 1961.

ii) a qualified manager appointed in the mine for the overall management, control, supervision and direction of the mine under Section 17 of the Mines Act, 1952 read with Regulation 34 of the Metalliferous Mines Regulation, 1961.

this accident could have been averted.

34. Date - 22/05/15
Time - 12.00

Mine - SETHURAYANPUDUR LIMESTONE MINE
Owner - K. KRISHNAMOORTHY
Dist. - Tirunelveli, State - Tamilnadu
Person(s) Killed :
1. G.Ratish,General Mazdoor, Male, 38 Years

While a person was cleaning the loose boulders at the edge of the bench to prepare the area for drilling in a quarry, his leg slipped and fell down from a height of about 30m and got serious bodily injuries to which he succumbed later.

Had

i) proper safety appliances such as safety belt, lifeline, guard rails etc. been provided to secure the life of persons working at heights or edge from where he is likely to slip and fall, as required under Regulation 114(2) & 118(4) of the Metalliferous Mines Regulations, 1961,

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

this accident could have been averted.

35. Date - 07/07/15
Time - 12.15

Mine - AGARIA MARBLE MINE (M.L. 36/09)
Owner - M/S CHANDRESH MAHESHWARI
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Chogga Kumawat, General Mazdoor, Male, 50 Years

While one mazdoor was traveling on a slippery surface near the edge of a bench, suddenly he got unbalanced and fell down to the bottom of the quarry from a height of about 4.0m and got injured. Later he succumbed to his injuries in the hospital.

Had

he not traveled over the slippery surface near the edge of the marble bench thus negligently endangering his life as required under the provision of Regulation 41(1)(a) & 181 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

36. Date - 27/08/15
Time - 9.15

Mine - BILLI MARKUNDI STONE MINE(S.N.7536)
Owner - SHRI ASHOK KUMAR SINGH
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :
1. Sinod Baiga,Mine Worker, Male, 20 Years

While,eight worker were working on a ledge at a height of about 47.5m made on a 79.63m high high-wall of a stone quarry,two workers slipped and fell down on a heap of overburden stacked at the quarry bed. One person received serious bodily injuries, to which he succumbed whilst on way to the hospital,and other person escaped with minor injuries.

Had

i) the sides of the opencast workings been kept benched, sloped and secured whilst working the mine and the mine been worked by benching the sides top downwards and under personal supervision of a manager, as was required by the provisions of Regulation 106 of the Metalliferous Mines Regulations 1961,and stipulations of Directorate's letter No. S 29013/73/2014-15/VR(NZ)/SNB-Stone/1340 dated 25.07.2014 imposing Order under Section 22(3) of the Mines Act,1952,

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 they were secured by a safety belt/full body harness of an approved type, suitably fixed to prevent them 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, and,

iii) the mine been placed under the charge of a duly qualified 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 could be ensured in every respect, as required by the provisions of Section 17 of the Mines Act,1952, read with Regulation 34 of the Metalliferous Mines Regulations,1961,

this accident would have been averted.

37. Date - 31/08/15
Time - 11.00

Mine - SRI LAKSHMI BALAJI STONE QUARRY
Owner - M/S SRI LAKSHMI BALAJI STOE CRUSHERS
Dist. - Guntur, State - Andhra Pradesh
Person(s) Killed :
1. Soura Nandu,Driller, Male, 25 Years
2. Mudili Buttu,Driller, Male, 23 Years

While two workmen were drilling holes at the top bench of an opencast working, suddenly the drill rod of the jack hammer broke and both of them got overbalanced and fell from a height of about 45m and hit upon the blasted muck at the bottom and got grievously injured to which they succumbed almost instantly.

Had

the sides of the working been kept properly benched and the workmen not permitted to work at the narrow bench at height unless being secured by a safety-belt or life line so as to prevent him from

slipping or overbalancing and falling down and the operations at the mine was kept under the statutory supervision of a dully qualified manager having the prescribed qualifications for the overall management, supervision, direction and control at the mine and other statutory officials appointed as required under Reg.106(1), 114(2), 34(1), 37 & 116 of the Metalliferous Mines Regulation 1961 read with section 17(1) of the Mines Act 1952,

this accident could have been averted.

38. Date - 18/12/15
Time - 12.05

Mine - GELEKI PRODUCTION OIL MINE
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - Sibsagar, State - Assam
Person(s) Killed :
1. Kanak Hatimuria, Scrapper Mazdoor, Male, 40 Years

While wax scrapping operation in an Oil Mine was being done by a contractual worker, he lost balance and fell down from a height of 3.5m over a 2" iron gas pipe to which he sustained serious bodily injuries which proved fatal within 25 minutes.

Had

i) the wax scrapping operation been done carefully by not endangering the life of persons employed therein, there by violating provisions made under Reg. 18(3), (98) of OMR 84 and

ii) the use of personal protective equipment been ensured as required under Reg. 16(1) read with Reg. 27, 87 and 88 of OMR' 84

this accident could have been averted.

Code : 0883 Fall of Objects incl. Rolling Objects (4 Deaths)

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39. Date - 10/03/15
Time - 17.30

Mine - ASAHI INDIA GLASS LTD. (ML NO. 14/06)
Owner - M/S ASAHI INDIA GLASS LIMITED
Dist. - Karauli, State - Rajasthan
Person(s) Killed :
1. Muniram Meena, Worker, Male, 21 Years

While an excavator operator was pushing ROM silica sand minerals into the hopper in a crushing plant located in the leasehold area of an opencast mine, the front wall of the hopper measuring about 8.5m

Length X 3.0m Height having thickness about 0.65m collapsed and the stone boulder pieces of the said collapsed wall hit and covered a worker, working near there, who was recovered dead after about half an hour.

Had the excavator been operated in proper and safe manner and the ROM mineral was not pushed hard against the front wall of the hopper, thus, not negligently omitting to ensure safety of persons in contravention of Regulation 41(1)(a) read with Regulation 181 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

40. Date - 16/08/15
Time - 8.45

Mine - TRIPURA DRILLING MINE
Owner - OIL & NATURAL GAS CORPORATION LTD.
Dist. - West Tripura, State - Tripura
Person(s) Killed :
1. Deb Das Chkraborty,Dy.S.Engineer, Male, 58 Years

While a crew of 05 persons was breaking off a drill pipe stand consisting of 03 drill pipes at derrick floor of a drill rig in an Oil Mine, the diving board extension weighing about 81 kgs fell down on derrick floor from a height of 26m, thus inflicting serious injuries to a person on head and body,to which he succumbed after nine days during treatment in hospital.

Had

i) the downward movement of travelling block been done cautiously considering swing to avert its hitting to the diving board extension and thus the safety of persons working thereat not been negligently endangered as required under Regulation 23(3) read with Regulation 98 of OMR,1984 and

ii) Proper precautions been taken to avoid the contact between the travelling block and diving board extension by actions like folding of diving board extension to provide a larger clearance for the safe passage of travelling block and thus the safety of persons working thereat not been negligently endangered as required under Regulation 25(3) read with Regulation 98 Of OMR,1984,

this accident could have been averted.

41. Date - 31/10/15
Time - 2.00

Mine - Thoria Marble Mine
Owner - Shri Govind Singh Sarangdeot
Dist. - Rajsamand, State - Rajasthan
Person(s) Killed :
1. Satish Meena,Mazdoor, Male, 30 Years

While an already cut marble block was being toppled with the help of an excavator bucket,placing excavator near the bottom of the bench,suddenly a part of marble block measuring about 3m(width) x 3m(Height) x 2m(thickness)detached along the plane of weakness and fell down to depth of about 3m over the cabin of the excavator causing serious bodily injuries to excavator operator to which he succumbed instantaneously.

Had

i) the already cut marble block not been toppled,with the help of the excavator bucket,placing excavator near the bottom of the bench thus not negligently endangering excavator operator's life as required under the provision of Regulation 41(1)(a) read with 181 of the Metalliferous Mines Regulations,1961;and

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,

this accident could have been averted.

42. Date - 08/12/15
Time - 11.51

Mine - SOHAGPUR WEST,EAST & SONHAT CBM WELLS
Owner - M/S RELIANCE INDUSTRIES LIMITED
Dist. - Shahdol, State - Madhya Pradesh
Person(s) Killed :
1. Ramprasad Kushwaha,Contract helper, Male, 55 Years

While a contractor worker of a housekeeping group was standing near the sand filled transition pit of size 9.60m (L) x 1.75m(W) x 10.90m (H) made to cover exposed gas pipe line on surface, at CBM well site of the mine, one of the longer random rubble masonry walls of the pit had collapsed suddenly, trapping him in the debris and inflicting serious bodily injuries, which proved fatal instantaneously.

Had

the transition pit of adequate strength and quality been constructed without altering the approved engineering design parameters, thus not negligently omitted to do necessary to ensure the safety of the work persons employed in the mine, as required under Regulation 98 of the Oil Mines Regultions, 1984;

this accident could have been averted.

Code : 0900 Other Causes

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

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43. Date - 13/02/15
Time - 16.45

Mine - BALAKUNDI PINK GRANITE MINE
Owner - BHARAT TIMBER & CONSTRUCTION CO. LTD.
Dist. - Bagalkot, State - Karnataka
Person(s) Killed :
1. Muttappa,Helper, Male, 34 Years

While two persons were cleaning at pit bottom of an opencast granite mine near a block being separated by Expansive Mortar (Crack Powder) from top bench and an excavator was engaged for pit bottom cleaning nearby simultaneously, a piece of stone measuring 7.5cm (Length) X 7.5cm (Width) X 1.5cm(Thickness) fell on them from a height of about 6m inflicting serious bodily injuries to one of them which proved fatal after four days.

Had

i) every official and competent person understood and carried out their duties as per the Mines Act-1952, Regulations & rules framed and orders made there under as required under Regulation 44(4) of Metalliferous Mines Regulation, 1961,

ii) a system been established that while separating a block by using Expansive Mortar (Crack Powder), manual cleaning and cleaning by excavator not been carried out endangering the lives of the persons employed therein as required under Regulation 181 of Metalliferous Mines Regulation, 1961 &

iii) it been ensured that the persons carried out their respective duties in a proper manner as required under Reg. 46(2)(a) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

44. Date - 14/07/15
Time - 17.00

Mine - MASARO KI OBERI SERPENTINE MINE
Owner - M/S NARAYAN MARBLE
Dist. - Udaipur, State - Rajasthan
Person(s) Killed :
1. Sohanlal Meena, Worker, Male, 34 Years

While two workers were working on the quarry floor in an opencast marble mine, all of a sudden a huge block of rock mass measuring approx. 30m (length) x 5m(Av. Thickness) comprising of top two benches of north eastern side of quarry fell from a height of approx. 15m on the bed of the bottom most bench and broken into pieces, as a result, a rebounding rock mass of approx. 5kg hit a worker approx. 50m distant from the site of fall inflicting fatal injury to the worker.

Had it been ensured that sides are adequately benched,sloped and secured so as to prevent danger from fall of sides as required under the provisions of Regulation 106(3) of the Metalliferous Mines Regulations, 1961.

this accident could have been averted.

Code : 0993 Drowning in Water
(1 Death)

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45. Date - 28/09/15
Time - 9.30

Mine - CHANDRIKA GRANITE MINE
Owner - M/S CHANDRIKA GRANITES
Dist. - Prakasham, State - Andhra Pradesh
Person(s) Killed :
1. A.Raju, General Mazdoor, Male, 35 Years

While a workmen was standing at the edge of the submerged bench of an opencast mine for rectification of pump foot-valve, he suddenly slipped and fell down into water and drowned.

Had

due precautions been taken by the supervisory staff and the workmen was not permitted to work in the vicinity of the water without using lifeline etc. as required under Reg.47(1)(b), Reg.114, Reg.181 of the Metalliferous Mines Regulation 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 1901-2015

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
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

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
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
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

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
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
99	26/11/14	PIPALJORI STONE MINE	4	0	Fall of Slides

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 1901-2015

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		

नियंत्रक प्रकाशन

PCIM 25-2015(Vol.II)(Non-Coal)
125-2018(DSK-III)

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VOLUME – II (NON-COAL)

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