



# STATISTICS OF MINES IN INDIA VOLUME -II (NON-COAL) 2011



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

# **STATISTICS OF MINES IN INDIA**

**VOLUME-I (NON-COAL)**

**2011**

**DIRECTORATE-GENERAL OF MINES SAFETY  
MINISTRY OF LABOUR &EMPLOYMENT  
GOVERNMENT OF INDIA**

## प्रतापना

खान सुरक्षा महानिदेशालय (खा. सु. म. नि.) खान अधिनियम, 1952 में वर्णित प्रावधान के अनुसार कोयला, धातु एवं तेल खानों से विविध प्रकार के वैद्यानिक विवरण एवं सूचनाएँ प्राप्त करता है। ऑक्टोबर 2011 के लिए इस प्रकाशन में प्रस्तुत किए गए हैं जो सिफ़्र धातु एवं तेल खानों के लिए हैं और खान अधिनियम 1952 के अन्तर्गत तैयार किए गए धातुमय खान विनियम 1961 के विनियम 5 एवं तेल खान विनियम 1984 के अन्तर्गत प्राप्त विवरणों पर आधारित है।

इस खंड में आऊटपुट डाटा, उत्पादित खनिजों का मूल्य तथा विविध प्रकार के खनिजों जिनमें तेल एवं गैस शामिल हैं, के खनन में नियोजन और साप्ताहिक मजदूरी, श्रम उपार्जन के सूचकांक की सारिणी, ऐवी अर्थ मूर्चिंग मशीन का इस्तेमाल, विरफ्टेक आदि का उपभोग भी शामिल है। धातु एवं तेल के खानों में प्राणघातक एवं गंभीर दुर्घटनाओं के संदर्भ में सूचना को भी इस प्रकाशन में शामिल किया गया है। इसके अतिरिक्त वर्ष 2011 के दौरान धातु एवं तेल के खानों में घटित प्रत्येक प्राणघातक दुर्घटना के संबंध में डी. जी. एम. एस. के अधिकारियों द्वारा सम्पादित जाँच के नतीजों का संक्षिप्त वर्णन भी दिया गया है। इस प्रकाशन में चार या उससे अधिक मूल्य की सूची तथा वर्ष 1901 से तेल एवं धातु के खानों में घटित विभिन्न दुर्घटनाओं के लिए गठित जाँच व्यायालयों की अधिकारी सूची को भी शामिल किया गया है।

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

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

४.३६

अक्टूबर, 2014  
धनबाद।

राष्ट्रिय गुहा  
खान सुरक्षा महानिदेशक

## PREFACE

Directorate-General of Mines Safety (DGMS) receives various statutory returns and notices from coal, metal and oil mines falling under the purview of the Mines Act, 1952. The statistics presented in this publication for the year 2011 are in respect of metalliferous and oil mines only and are based on returns received under Regulation 5 of the Metalliferous Mines Regulation, 1961 and the Oil Mines Regulations, 1984 framed under the Mines Act, 1952.

This volume contains data on output, value of minerals raised and corresponding employment in mining of different types of minerals, including oil & gas. It also contains information on average weekly wages, index of labour earnings, use of heavy earth moving machineries, consumption of explosives etc. Information in respect of fatal and serious accidents in metalliferous and oil mines is also included in this volume. In addition, it also contains brief description of findings of enquiry conducted by officers of DGMS in respect of each and every fatal accident that occurred in metal and oil mines during the year, 2011. An updated list of 4 or more deaths and a list of court of enquiries held for different accidents in metal and oil mines since 1901 are also included in this publication .

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

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

October, 2014.  
Dhanbad.



Rahul Guha  
Director General of Mines Safety

**DIRECTORATE GENERAL OF MINES SAFETY**

Shri Rahul Guha  
Director General

Shri P.Ranganatheeswar  
Deputy Director General

**OFFICERS AND STAFF OF STATISTICS DIVISION  
ASSOCIATED WITH THE PUBLICATION**

Shri A.K. Tripathi, Director (Statistics)

Shri Salil Kumar Mukhopadhyay , Director (Statistics)

Shri P.Saxena, Deputy Director (Statistics)

Shri B. K. Shrivastava, Assistant Director (Statistics)

Shri Manish Anand, Assistant Director (Statistics)

**Senior Statistical Officers**

S/Shri B.Majhi, V.P. Keshri, M.S. Dutta, A.Bodra, S.R. Majhi

**Data Processing Assistant**

Shri Sadashiv Prasad

**Investigators**

S/Shri S.N.P. Karan, Sunil Dang & R.Punit Kumar

**Dealing Assistants**

S/Shri M. K. Sinha, R. S. Prasad, B. Mahato

**Other Official**

S/Shri R.L. Bouri, M. L. Gope,  
Smt. Sandhya Devi

## **INTRODUCTION**

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

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

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

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

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

Section- IV. Accidents and resultant casualties in non-coal mines and Summary of findings of statutory enquiries conducted into fatal accidents in non-coal mines occurred during the year, 2011.

Section- V. Miscellaneous compilation

## **SECTION - I**

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

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

For the year 2011, annual returns have been processed for 2041 returns of non-coal mines out of which 85 are from oil mines/ projects.

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

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

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

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

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

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

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

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

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

## **SECTION- II**

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

## **SECTION-III**

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

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

## **SECTION-IV**

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

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

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

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

## **SECTION-V**

Statement No. 5.1 gives mineral-wise and state-wise details of average weekly cash earnings for various categories of workers by place of workings. This is based on the quarterly returns in form II received for the quarter ending December 2011.

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

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*Notes:* 1. Figures of Andhra Pradesh available in state-wise tables includes that of the state Telangana also.  
The state Telengana was not formed during 2011.  
2. Statements where the word “trend” is not mentioned in the heading relate to the year 2011 only.  
3. Statements which do not show mineral-wise figures are marked with an asterisk (\*).

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*Notes:* 1. Figures of Andhra Pradesh available in state-wise tables includes that of the state Telangana also.  
The state Telengana was not formed during 2011.

2. Statements where the word “trend” is not mentioned in the heading relate to the year 2011 only.

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

STATEMENT NO. 1.2

**AVERAGE DAILY EMPLOYMENT, OUTPUT AND VALUE IN METALLIFEROUS MINES DURING THE YEAR 2011 : STATE-DISTRICT WISE**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y   E M P L O Y M E N T			C O N T R A C T   L A B O U R			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.	
		SUBMITTING RETURNS	U S I N G M E C H .	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	B/G	O/C	A/G			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	
<b>1. APATITE &amp; ROCK PHOSPHATE</b>																
ANDHRA PRADESH	Vishakapatnam	1	1	1	27	--	12	39	32	7	--	--	--	3765	7831	
MADHYA PRADESH	Jhabua	1	--	--	--	167	2	169	112	57	--	--	--	70656	77624	
	Tikamgarh	1	1	--	--	39	3	42	26	16	--	--	--	11004	21556	
<b>TOTAL : MADHYA PRADESH</b>		<b>2</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>206</b>	<b>5</b>	<b>211</b>	<b>138</b>	<b>73</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>81660</b>	<b>99180</b>	
RAJASTHAN	Udaipur	4	3	--	--	940	451	1391	1391	--	--	709	49	1994950	6358239	
UTTARANCHAL	Dehradun	3	3	2	67	--	229	296	296	--	--	--	--	Nil	Nil	
WEST BENGAL	Purulia	1	1	--	--	102	26	128	125	3	--	--	--	1350	980	
<b>TOTAL : APATITE &amp; ROCK PHOSPHATE</b>		<b>11</b>	<b>9</b>	<b>3</b>	<b>94</b>	<b>1248</b>	<b>723</b>	<b>2065</b>	<b>1982</b>	<b>83</b>	<b>--</b>	<b>709</b>	<b>49</b>	<b>2081725</b>	<b>6466230</b>	
<b>2. ASBESTOS</b>																
ANDHRA PRADESH	Cuddapah	4	3	3	63	60	16	139	139	--	21	--	--	15703 117 (PR) 117 (PR)	122457 516 516	
<b>TOTAL : ASBESTOS</b>		<b>4</b>	<b>3</b>	<b>3</b>	<b>63</b>	<b>60</b>	<b>16</b>	<b>139</b>	<b>139</b>	<b>--</b>	<b>21</b>	<b>--</b>	<b>--</b>	<b>15703 117 (PR)</b>	<b>122457 516</b>	
<b>3. BARYTES</b>																
ANDHRA PRADESH	Cuddapah	2	2	1	9	316	205	530	454	76	--	275	84	23826 1992735 (LM) 5325	72740 3305289 2130	
	Khammam	1	1	--	--	29	3	32	32	--	--	--	--			
<b>TOTAL : ANDHRA PRADESH</b>		<b>3</b>	<b>3</b>	<b>1</b>	<b>9</b>	<b>345</b>	<b>208</b>	<b>562</b>	<b>486</b>	<b>76</b>	<b>--</b>	<b>275</b>	<b>84</b>	<b>29151 1992735 (LM)</b>	<b>74870 3305289</b>	

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y			E M P L O Y M E N T			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.		
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>HIMACHAL PRADESH</b>																	
	Sirmaur	1	1	1	16	--	--	16	16	--	--	--	--	588	882		
<b>RAJASTHAN</b>																	
	Udaipur	1	1	--	--	11	6	17	17	--	--	--	--	5820	2619		
<b>TOTAL : BARYTES</b>		5	5	2	25	356	214	595	519	76	--	275	84	35559 1992735 (LM)	78371 3305289		
<b>4. BAUXITE</b>																	
<b>CHHATTISHGARH</b>																	
	Surguja	5	5	--	--	1301	104	1405	1380	25	--	1252	59	975970	475773		
	Kabirdham	2	1	--	--	510	34	544	544	--	--	463	4	780200	504009		
														113515 (PR)	13668		
<b>TOTAL : CHHATTISHGARH</b>		7	6	--	--	1811	138	1949	1924	25	--	1715	63	1756170 113515 (PR)	979783 13668		
<b>GUJARAT</b>																	
	Jamnagar	13	4	--	--	316	23	339	295	44	--	175	12	451892 129187 (PR)	48847 92514		
	Kutch	14	14	--	--	362	10	372	268	104	--	312	5	866474	698674		
<b>TOTAL : GUJARAT</b>		27	18	--	--	678	33	711	563	148	--	487	17	1318366 129187 (PR)	747521 92514		
<b>JHARKHAND</b>																	
	Gumla	14	6	--	--	969	88	1057	1057	--	--	616	35	1118295	369803		
	Lohardaga	7	4	--	--	278	214	492	490	2	--	179	11	781897	275750		
	Palamau	1	1	--	--	64	5	69	69	--	--	62	3	36071	18468		
<b>TOTAL : JHARKHAND</b>		22	11	--	--	1311	307	1618	1616	2	--	857	49	1936263	664021		
<b>KARNATAKA</b>																	
	Udipi	1	1	--	--	26	11	37	27	10	--	21	--	66029	7715		
<b>MADHYA PRADESH</b>																	
	Chhatarpur	1	--	--	--	27	2	29	19	10	--	--	--	1929	77		
	Jabalpur	2	--	--	--	234	7	241	150	91	--	--	--	158758	74216		

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y			E M P L O Y M E N T			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T L A B O U R	B/G	O/C	A/G	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Rewa		3	1	--	--	65	1	66	61	5	--	18	--	70649	20580
Satna		2	--	--	--	39	4	43	37	6	--	--	--	52750	7818
Katni		2	--	--	--	73	4	77	53	24	--	--	--	14835	632
Anuppur		2	2	--	--	297	19	316	316	--	--	--	--	255370	66394
<b>TOTAL : MADHYA PRADESH</b>		<b>12</b>	<b>3</b>	--	--	<b>735</b>	<b>37</b>	<b>772</b>	<b>636</b>	<b>136</b>	--	<b>18</b>	--	<b>554291</b>	<b>169717</b>
MAHARASHTRA															
Kolhapur		6	5	--	--	337	35	372	292	80	--	101	18	1850173	290135
Ratnagiri		2	2	--	--	143	9	152	152	--	--	126	6	183006	133648
Raigad		8	--	--	--	159	--	159	159	--	--	113	--	438150	67913
<b>TOTAL : MAHARASHTRA</b>		<b>16</b>	<b>7</b>	--	--	<b>639</b>	<b>44</b>	<b>683</b>	<b>603</b>	<b>80</b>	--	<b>340</b>	<b>24</b>	<b>2471329</b>	<b>491696</b>
ORISSA															
Koraput		2	2	--	--	362	351	713	712	1	--	137	174	5058299	2379038
Sundergarh		1	--	--	--	2	2	4	4	--	--	--	--	8217	3311
<b>TOTAL : ORISSA</b>		<b>3</b>	<b>2</b>	--	--	<b>364</b>	<b>353</b>	<b>717</b>	<b>716</b>	<b>1</b>	--	<b>137</b>	<b>174</b>	<b>5066516</b>	<b>2382349</b>
TAMIL NADU															
Salem		2	--	--	--	22	12	34	34	--	--	3	5	268816	73152
UTTAR PRADESH															
Jhansi		1	--	--	--	19	1	20	13	7	--	--	--	100	4
Lalitpur		3	1	--	--	200	18	218	176	42	--	--	--	16597 (PR)	4171
<b>TOTAL : UTTAR PRADESH</b>		<b>4</b>	<b>1</b>	--	--	<b>219</b>	<b>19</b>	<b>238</b>	<b>189</b>	<b>49</b>	--	--	--	<b>100</b>	<b>4</b>
														<b>16597 (PR)</b>	<b>4171</b>
<b>TOTAL : BAUXITE</b>		<b>94</b>	<b>49</b>	--	--	<b>5805</b>	<b>954</b>	<b>6759</b>	<b>6308</b>	<b>451</b>	--	<b>3578</b>	<b>332</b>	<b>13437880</b>	<b>5515958</b>
														<b>259299 (PR)</b>	<b>110353</b>
5. CALCITE															
RAJASTHAN															
Sikar		1	1	--	--	297	98	395	323	72	--	31	--	93695	58317
Sirohi		1	1	--	--	332	114	446	363	83	--	53	--	143946	74171
<b>TOTAL : RAJASTHAN</b>		<b>3</b>	<b>3</b>	--	--	<b>643</b>	<b>215</b>	<b>858</b>	<b>703</b>	<b>155</b>	--	<b>84</b>	--	<b>237641</b>	<b>132488</b>
<b>TOTAL : CALCITE</b>		<b>3</b>	<b>3</b>	--	--	<b>643</b>	<b>215</b>	<b>858</b>	<b>703</b>	<b>155</b>	--	<b>84</b>	--	<b>237641</b>	<b>132488</b>

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y			E M P L O Y M E N T			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>6. CHINA CLAY, CLAY, WHITE-CLAY</b>															
ANDHRA PRADESH															
Anantpur	1	--	--	--	21	--	21	21	--	--	--	--	17920	717	
Cuddapah	2	--	--	--	73	8	81	49	32	--	--	--	93239	9966	
Krishna		Employment with Limestone											15300	1939	
Kurnool	1	--	--	--	20	--	20	20	--	--	--	--	1613	161	
West Godavari	5	1	--	--	50	4	54	54	--	--	--	--	93720	40249	
													36910 (PR)	34	
<b>TOTAL : ANDHRA PRADESH</b>		9	1	--	--	164	12	176	144	32	--	--	221792	53032	
													36910 (PR)	34	
GUJARAT															
Amreli	1	1	--	--	2	--	2	2	--	--	--	--	36996	4557	
Banas Kantha	3	1	--	--	37	6	43	40	3	--	--	--	85501	9964	
													3538 (FN)	6368	
Kutch	13	--	--	--	223	3	226	226	--	--	65	--	36261	9113	
Mehasana	2	1	--	--	18	--	18	15	3	--	--	--	40419	24227	
													6030 (FN)	6332	
Sabar Kantha	2	2	--	--	9	17	26	23	3	--	--	--	22592	40141	
													897 (FN)	1480	
Patan	5	--	--	--	90	--	90	90	--	--	--	--	5534 (PR)	9131	
													82320	9435	
<b>TOTAL : GUJARAT</b>		26	5	--	--	379	26	405	396	9	--	65	--	304089	97539
													10465 (FN)	14180	
													5534 (PR)	9131	
HARYANA															
Gurgaon	2	--	--	--	50	16	66	66	--	--	11	7	86592	4661	
JHARKHAND															
Sahebganj	3	3	--	--	98	330	428	346	82	--	--	--	75165	7742	
West Singhbhum	6	6	--	--	64	140	204	142	62	--	--	--	52776 (PR)	9915	
													70349	27333	
													16162 (PR)	16454	
<b>TOTAL : JHARKHAND</b>		9	9	--	--	162	470	632	488	144	--	--	--	145514	35076
													68938 (PR)	26370	

**STATEMENT NO. 1.2 (CONTD.)**

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	BELLOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT LABOUR						
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G	12	13	14	15
1	2																
<b>KARNATAKA</b>																	
Hassan		1	1	--	--	19	32	51	45	6	--	--	--	20805	9921		
Shimoga		1	1	--	--	22	14	36	26	10	--	--	--	20487	8882		
Tumkur		1	--	--	--	15	2	17	13	4	--	--	--	25860	(PR)	7229	
<b>TOTAL : KARNATAKA</b>		3	2	--	--	56	48	104	84	20	--	--	--	41292	18803		
														25860	(PR)	7229	
<b>KERALA</b>																	
Kannur		5	4	--	--	107	211	318	141	177	--	--	--	43414	42547		
														4855	(FN)	12626	
														1878	(PR)	517	
Quilon		1	1	--	--	5	122	127	113	14	--	--	--	42633	5108		
														8068	(PR)	2221	
Trivundrum		5	5	--	--	82	26	108	98	10	--	--	1	543274	23234		
<b>TOTAL : KERALA</b>		11	10	--	--	194	359	553	352	201	--	--	1	629321	70890		
														4855	(FN)	12626	
														9946	(PR)	2738	
<b>ORISSA</b>																	
Mayurbhanj		1	1	--	--	43	16	59	27	32	--	--	--	7341	(PR)	2872	
<b>RAJASTHAN</b>																	
Bikaner		15	2	--	--	222	82	304	299	5	--	--	5	637949	274844		
														79289	(PR)	10092	
Jaipur		2	2	--	--	57	17	74	56	18	--	--	--	97181		21205	
<b>TOTAL : RAJASTHAN</b>		17	4	--	--	279	99	378	355	23	--	--	5	735130	296048		
														79289	(PR)	10092	
<b>WEST BENGAL</b>																	
Birbhum		6	3	--	--	174	187	361	347	14	--	--	--	22957	3784		
														24289	(PR)	7440	
														24289	(PR)	7440	
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>		85	36	--	--	1513	1235	2748	2273	475	--	76	13	2186687	579833		
														15320	(FN)	26806	
														258107	(PR)	65906	

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y		E M P L O Y M E N T			C O N T R A C T   L A B O U R			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	V A L U E I N '000 R s .
		SUBMITTING R E T U R N S	U S I N G M E C H . P O W E R	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>7. CHROMITE</b>																
KARNATAKA	Hassan	4	3	1	66	105	136	307	237	70	--	27	--	9732	21991	
ORISSA	Dhenkanal	2	1	1	142	4	133	279	276	3	97	--	39	19212	13980	
	Keonjhar	5	4	4	1082	5	950	2037	1559	478	519	--	315	202154	289767	
	Jajpur	16	14	1	69	3399	2881	6349	5999	350	64	1539	1683	3309012	12505766	
														171212 (FN)	241609	
														133223 (LM)	640269	
														324256 (PR)	614349	
TOTAL : ORISSA		23	19	6	1293	3408	3964	8665	7834	831	680	1539	2037	3530378	12809513	
														171212 (FN)	241609	
														133223 (LM)	640269	
														324256 (PR)	614349	
TOTAL : CHROMITE		27	22	7	1359	3513	4100	8972	8071	901	680	1566	2037	3540110	12831504	
														171212 (FN)	241609	
														133223 (LM)	640269	
														324256 (PR)	614349	
<b>8. COPPER</b>																
JHARKHAND	West Singbhum	2	2	2	1104	--	429	1533	1532	1	--	--	--	410481	451246	
MADHYA PRADESH	Balaghat	1	1	--	--	250	146	396	396	--	--	--	--	2227919	2041086	
RAJASTHAN	Jhunjhunu	2	2	2	721	--	628	1349	1339	10	126	--	468	1016651	1267012	
TOTAL : COPPER		5	5	4	1825	250	1203	3278	3267	11	126	--	468	3655051	3759344	
<b>9. DIAMOND</b>																
MADHYA PRADESH	Panna	1	1	--	--	31	68	99	97	2	--	--	--	12281	131314	
TOTAL : DIAMOND		1	1	--	--	31	68	99	97	2	--	--	--	12281	131314	

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R					
									B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16	
<b>10. DOLOMITE</b>																	
ANDHRA PRADESH																	
Anantpur		1	--	--	--	15	--	15	15	--	--	--	--	36420	5609		
Cuddapah		1	--	--	--	7	--	7	7	--	--	--	--	997 (PR)	249		
Khammam		1	1	--	--	62	145	207	203	4	--	--	--	490	63		
Kurnool		4	2	--	--	213	4	217	217	--	--	88	--	543320 (PR)	322200		
TOTAL : ANDHRA PRADESH		7	3	--	--	297	149	446	442	4	--	88	--	691193	89125		
CHHATTISGARH																	
Bilaspur		9	8	--	--	658	658	1316	1176	140	--	146	97	2817113	884901		
JHARKHAND																	
Garhwa		1	1	--	--	254	47	301	301	--	--	244	44	238257	168067		
KARNATAKA																	
Belgaum		1	--	--	--	1	1	2	2	--	--	--	--	5334	742		
Bijapur		1	--	--	--	36	9	45	25	20	--	--	--	23506	11325		
Tumkur						Employment with Limestone and China Clay, clay, white-clay								3510	2476		
Bagalkot		5	2	--	--	100	14	114	84	30	--	--	--	181803	41638		
TOTAL : KARNATAKA		7	2	--	--	137	24	161	111	50	--	--	--	214153	56181		
MADHYA PRADESH																	
Balaghat		1	1	--	--	225	--	225	118	107	--	--	--	3833	1406		
Damoh				Employment with Limestone and China Clay, clay, white-clay										781753	217280		
Mandla		1	1	--	--	15	2	17	17	--	--	13	2	15420	52562		
Katni		1	--	--	--	28	3	31	16	15	--	--	--	1080	11		
TOTAL : MADHYA PRADESH		3	2	--	--	268	5	273	151	122	--	13	2	802086	271259		
MAHARASHTRA																	
Chandrapur		1	1	--	--	9	2	11	11	--	--	7	1	30008	8612		
Nagpur		2	2	--	--	37	13	50	40	10	--	--	--	17321	5570		
TOTAL : MAHARASHTRA		3	3	--	--	46	15	61	51	10	--	7	1	47329	14183		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>ORISSA</b>																	
	Sundergarh	3	2	--	--	184	226	410	350	60	--	58	180	1463865	704149		
<b>RAJASTHAN</b>																	
	Udaipur	Employment with Limestone China Clay,clay,white-clay and Steatite												2602	307		
	Rajsamand	Employment with Limestone China Clay,clay,white-clay and Steatite												87322	12096		
	Pratapgarh	Employment with Limestone China Clay,clay,white-clay and Steatite												15000	4991		
														20454 (PR)	12759		
	<b>TOTAL : RAJASTHAN</b>	Employment with Limestone China Clay,clay,white-clay and Steatite												104924	17395		
														20454 (PR)	12759		
<b>WEST BENGAL</b>																	
	Jalpaiguri	1	--	--	--	--	31	31	31	--	--	--	--	Nil	Nil		
	<b>TOTAL : DOLOMITE</b>	34	21	--	--	1844	1155	2999	2613	386	--	556	324	6415830	2210932		
														564771 (PR)	335208		
<b>11. FELSPAR</b>																	
<b>ANDHRA PRADESH</b>																	
	Mahboob Nagar	2	--	--	--	41	3	44	44	--	--	--	--	118508	42705		
	Nellore	3	1	--	--	83	9	92	75	17	--	--	--	461826	98608		
														23820 (PR)	40613		
	<b>TOTAL : ANDHRA PRADESH</b>	5	1	--	--	124	12	136	119	17	--	--	--	580334	141314		
														23820 (PR)	40613		
<b>KARNATAKA</b>																	
	Mysore	1	--	--	--	10	7	17	--	17	--	--	--	265	56		
<b>RAJASTHAN</b>																	
	Sikar	Employment with Quartz												186100 (PR)	349031		
	Udaipur	Employment with Quartz Mica and Wollastonite												229	46		
	<b>TOTAL : RAJASTHAN</b>	Employment with Quartz Mica and Wollastonite												229	46		
														186100 (PR)	349031		
<b>TAMIL NADU</b>																	
	Tirrupur	Employment with Quartz Mica and Wollastonite												22	7		
	Salem	Employment with Quartz												2460 (PR)	5424		
	<b>TOTAL : TAMIL NADU</b>	Employment with Quartz Mica and Wollastonite												22	7		
														2460 (PR)	5424		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
<b>WEST BENGAL</b>																		
	Birbhum	1	--	--	--	15	2	17	17	--	--	14	--	668	207			
														2708 (LM)	1312			
														2708 (LM)	1312			
	<b>TOTAL : FELSPAR</b>	7	1	--	--	149	21	170	136	34	--	14	--	581518	141630			
														2708 (LM)	1312			
														212380 (PR)	395067			
<b>12. FIRE-CLAY</b>																		
ANDHRA PRADESH																		
	East Godavari	2	--	--	--	28	--	28	28	--	--	--	--	3430	284			
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			
	<b>TOTAL : MADHYA PRADESH</b>	3	--	--	--	58	4	62	46	16	--	--	--	35318	2029			
ORISSA																		
	Angul	1	--	--	--	28	1	29	29	--	--	--	--	880	531			
	Cuttack	5	2	--	--	100	26	126	126	--	--	31	5	68043	14155			
	Sundergarh	1	--	--	--	20	--	20	20	--	--	--	--	6360	1049			
	Bargarh	1	--	--	--	19	--	19	19	--	--	--	--	981	234			
	<b>TOTAL : ORISSA</b>	8	2	--	--	167	27	194	194	--	--	31	5	76264	15970			
RAJASTHAN																		
	Bikaner	11	--	--	--	152	12	164	151	13	--	--	--	588901	63315			
TAMIL NADU																		
	Cuddalore	1	--	--	--	43	--	43	43	--	--	--	--	31689	4376			

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>WEST BENGAL</b>															
Birbhum		Employment with China Clay, clay, white-clay												7663	498
Purulia		1	--	--	--	32	2	34	34	--	--	--	--	760	151
TOTAL : WEST BENGAL		1	--	--	--	32	2	34	34	--	--	--	--	8423	649
TOTAL : FIRE-CLAY		28	2	--	--	516	45	561	532	29	--	49	5	751575	87377
<b>13. FLUORITE</b>															
GUJARAT														69016	41212
Vadodara (Baroda)		1	1	--	--	57	6	63	61	2	--	--	--		
MAHARASHTRA														2940	587
Chandrapur		1	--	--	--	47	5	52	37	15	--	--	--		
RAJASTHAN														386	1024
Jalor		2	1	--	--	8	--	8	8	--	--	5	--		
TOTAL : FLUORITE		4	2	--	--	112	11	123	106	17	--	5	--	72342	42823
<b>14. GALENA &amp; SPHALARITE</b>															
ANDHRA PRADESH														1079	811
Guntur		1	1	1	10	--	30	40	40	--	8	--	30		
RAJASTHAN														Nil	Nil
Ajmer		1	1	--	--	--	15	15	13	2	--	--	15	Nil	Nil
Bhilwara		1	1	--	--	708	1001	1709	1691	18	--	489	596	6121861	6264629
Udaipur		7	7	4	592	--	595	1187	1127	60	106	--	8	6152760	6436944
Rajsamand		2	2	2	714	--	330	1044	1029	15	387	--	24	1222851	1265355
TOTAL : RAJASTHAN		11	11	6	1306	708	1941	3955	3860	95	493	489	643	13497472	13966928
TOTAL : GALENA & SPHALARITE		12	12	7	1316	708	1971	3995	3900	95	501	489	673	13498551	13967740

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES				A V E R A G E		D A I L Y   E M P L O Y M E N T				OUTPUT* IN TONNES UNLESS OTHERWISE STATED			VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
									B/G	O/C	A/G				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>15. GARNET</b>															
ANDHRA PRADESH															
Srikakulam		2	--	--	--	38	38	76	66	10	--	37	--	156329	14902
ORISSA															
Ganjam		Employment with Sillimanite													
TAMIL NADU															
Kanyakumari		1	--	--	--	1002	--	1002	1002	--	--	998	--	417427	284038
Tirunelveli		4	--	--	--	100	20	120	98	22	--	14	--	12309 (PR)	61548
TOTAL : TAMIL NADU		5	--	--	--	1102	20	1122	1100	22	--	1012	--	284675	365684
TOTAL : GARNET		7	--	--	--	1140	58	1198	1166	32	--	1049	--	858431 (PR)	664624
<b>16. GOLD</b>															
JHARKHAND															
East Singhbhum		1	1	1	36	--	16	52	52	--	--	--	--	5052	22367
KARNATAKA															
Raichur		3	3	3	1542	--	1493	3035	2907	128	--	--	--	691948	3114848
UTTARANCHAL															
Pithoragarh(left side)		1	1	1	7	--	15	22	22	--	--	--	--	Nil	Nil
TOTAL : GOLD		5	5	5	1585	--	1524	3109	2981	128	--	--	--	697000	3137214
<b>17. GRANITE</b>															
ANDHRA PRADESH															
Chittoor		1	1	--	--	99	6	105	105	--	--	--	--	8383	75351
Karimnagar		3	3	--	--	142	13	155	155	--	--	--	--	9476	92982
Nalgonda		1	1	--	--	14	1	15	15	--	--	14	1	8511 (PR)	14344

Prakasham	71	69	--	--	3233	1417	4650	4605	45	--	261	145	840644 55581 (PR)	8130221 514175
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**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y E M P L O Y M E N T			OUTPUT*			VALUE '000 Rs.		
		SUBMITTING RETURNS	USING MECH. POWER	BELOW- GROUND	BELOW GROUND	OPEN CAST	ABOVE GROUND	TOTAL	MALE	FEMALE	CONTRACT	LABOUR	IN TONNES UNLESS OTHERWISE STATED		
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													16	
Ranga Reddy		1	--	--	--	23	--	23	23	--	--	--	--	1000	6641
Srikakulam		3	3	--	--	85	21	106	106	--	--	--	--	8834	62826
Warangal		3	3	--	--	148	13	161	160	1	--	--	--	8211	45025
<b>TOTAL : ANDHRA PRADESH</b>		<b>83</b>	<b>80</b>	<b>--</b>	<b>--</b>	<b>3744</b>	<b>1471</b>	<b>5215</b>	<b>5169</b>	<b>46</b>	<b>--</b>	<b>275</b>	<b>146</b>	<b>876934 64092 (PR)</b>	<b>8416629 528518</b>
<b>GOA</b>															
North Goa		1	1	--	--	13	8	21	21	--	--	4	4	29858	8925
<b>KARNATAKA</b>															
Bangalore		1	1	--	--	23	1	24	24	--	--	--	--	463	3120
Belgaum		1	--	--	--	56	--	56	54	2	--	--	--	Nil	Nil
Bellary		1	1	--	--	15	--	15	15	--	--	--	--	1903	17958
Bijapur		3	3	--	--	495	106	601	593	8	--	--	--	35294	2052655
Gulbarga		1	1	--	--	80	9	89	89	--	--	--	--	Nil	Nil
Hassan		3	2	--	--	78	10	88	87	1	--	--	--	3186	25630
Mandyā		1	--	--	--	14	2	16	16	--	--	--	--	770	20731
Mysore		4	2	--	--	43	5	48	48	--	--	--	--	1733	18057
Raichur		2	2	--	--	52	5	57	57	--	--	--	--	4364	33847
Bagalkot		4	4	--	--	142	53	195	191	4	--	--	--	39373	670151
KOPPAL		2	2	--	--	40	38	78	76	2	--	--	--	8699	133101
CHAMARAJANAGAR		1	1	--	--	16	4	20	20	--	--	--	--	161	1352
Ramanagara		1	1	--	--	10	5	15	15	--	--	--	--	Nil	Nil
<b>TOTAL : KARNATAKA</b>		<b>25</b>	<b>20</b>	<b>--</b>	<b>--</b>	<b>1064</b>	<b>238</b>	<b>1302</b>	<b>1285</b>	<b>17</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>95946</b>	<b>2976602</b>
<b>KERALA</b>															
Ernakulam		3	3	--	--	97	22	119	73	46	--	10	3	66728	42136
Malappuram		1	1	--	--	16	7	23	16	7	--	--	--	28762 (PR)	9702
Pathanamthitta		2	2	--	--	41	2	43	43	--	--	--	--	226183	69591
Trichur		2	2	--	--	22	3	25	25	--	--	8	--	31411	296409
Trivandrum		2	2	--	--	15	42	57	47	10	--	--	11	641	5400
Palakkad		1	1	--	--	11	2	13	13	--	--	--	--	12185	114983
<b>TOTAL : KERALA</b>		<b>11</b>	<b>11</b>	<b>--</b>	<b>--</b>	<b>202</b>	<b>78</b>	<b>280</b>	<b>217</b>	<b>63</b>	<b>--</b>	<b>18</b>	<b>14</b>	<b>337148 74241 (PR)</b>	<b>528519 237835</b>

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y   E M P L O Y M E N T				C O N T R A C T   L A B O U R			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.	
		SUBMITTING RETURNS	U S I N G M E C H .	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M I L E	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
	MADHYA PRADESH															
	Chhatarpur	1	1	--	--	185	20	205	205	--	--	--	--	Nil	Nil	
	Gwalior	1	1	--	--	9	4	13	13	--	--	--	--	42281	398983	
	TOTAL : MADHYA PRADESH	2	2	--	--	194	24	218	218	--	--	--	--	42281	398983	
	ORISSA															
	Kalahandi	1	1	--	--	26	4	30	30	--	--	--	--	6002	31361	
	TAMIL NADU															
	Dharmapuri	24	20	--	--	660	102	762	761	1	--	--	--	38989	345884	
														6841 (PR)	38775	
	Madurai	10	9	--	--	377	79	456	450	6	--	217	--	58128	712542	
														1388 (PR)	5955	
	Periyar	2	2	--	--	160	10	170	170	--	--	--	--	17807	123846	
	Pudukkottai	1	--	--	--	23	3	26	26	--	--	--	--	734	770	
	Salem	14	13	--	--	476	62	538	535	3	--	--	--	14477	185573	
	South Arcot	3	3	--	--	69	8	77	77	--	--	2	--	55922	359579	
	Thanjavur	1	1	--	--	19	--	19	19	--	--	--	--	999	633	
	Tiruchirapalli	1	1	--	--	36	--	36	36	--	--	--	--	719	5657	
	Tirunelveli	5	5	--	--	90	12	102	102	--	--	69	9	29925	289394	
	V.R.P.	5	5	--	--	182	24	206	197	9	--	--	--	2407	25327	
	Virudhunagar	2	1	--	--	24	21	45	45	--	--	12	--	1397	14407	
	Vellore	6	3	--	--	154	19	173	173	--	--	118	11	8847	59950	
														591 (PR)	3534	
	Villupuram	10	10	--	--	232	58	290	277	13	--	13	--	3758	36488	
	Karur	2	1	--	--	48	3	51	49	2	--	12	--	2380	16153	
														113 (PR)	676	
	Sivaganga	1	1	--	--	16	2	18	18	--	--	--	--	1116	2500	
	KRISHNAGIRI	7	6	--	--	104	22	126	126	--	--	14	10	5070	33338	
	TOTAL : TAMIL NADU	94	81	--	--	2670	425	3095	3061	34	--	457	30	242675	2212040	
														8933 (PR)	48939	
	UTTAR PRADESH															
	Lalitpur	2	2	--	--	82	87	169	169	--	--	--	--	7606	85460	
	TOTAL : GRANITE	220	198	--	--	8062	2336	10398	10238	160	--	818	194	1638450	14658519	
														147266 (PR)	815292	

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R					
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G	12	13	14	15
1	2																
<b>18. GRAPHITE</b>																	
JHARKHAND																	
Palamu		1	1	--	--	47	--	47	47	--	--	46	--	14731	8360		
Saraikhela Kharsawan		1	--	--	--	17	--	17	17	--	--	16	--	2645	714		
TOTAL : JHARKHAND		2	1	--	--	64	--	64	64	--	--	62	--	17376	9074		
ORISSA																	
Bolangir		5	2	--	--	113	7	120	45	75	--	--	--	12698	9332		
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		9	4	--	--	212	11	223	123	100	--	--	--	24353	13387		
TAMIL NADU																	
Pasumpon Mathuralingam		1	1	--	--	36	3	39	39	--	--	--	--	51069	57573		
TOTAL : GRAPHITE		12	6	--	--	312	14	326	226	100	--	62	--	92798	80034		
<b>19. GYPSUM</b>																	
JAMMU & KASHMIR																	
Deda		1	--	--	--	34	1	35	35	--	--	--	--	3015	9500		
Ramban		1	--	--	--	45	4	49	49	--	--	23	--	31151	19100		
TOTAL : JAMMU & KASHMIR		2	--	--	--	79	5	84	84	--	--	23	--	34166	28600		
RAJASTHAN																	
Barmer		2	--	--	--	2	1	3	3	--	--	--	--	Nil	Nil		
Bikaner		8	5	--	--	61	27	88	88	--	--	27	1	14988167	7523364		
Sriganganagar		7	3	--	--	22	11	33	33	--	--	10	--	142530	63669		
Jaisalmer		3	2	--	--	15	6	21	21	--	--	6	--	588715	1123478		
Jalor		1	--	--	--	3	1	4	4	--	--	1	--	43746	17936		
Nagaur		1	1	--	--	10	6	16	16	--	--	4	--	238323	117255		
Hanumangarh		2	2	--	--	11	1	12	12	--	--	2	--	45056	22168		
Sri Ganganagar		2	--	--	--	9	1	10	10	--	--	7	--	78600	41418		
TOTAL : RAJASTHAN		26	13	--	--	133	54	187	187	--	--	57	1	16125137	8909287		
TOTAL : GYPSUM																	
		28	13	--	--	212	59	271	271	--	--	80	1	16159303	8937887		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	UNLESS O T H E R W I S E		
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G	STATED	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
20. IRON															
ANDHRA PRADESH															
Anantpur		3	1	--	--	58	24	82	82	--	--	--	--	2606087	2606087
Cuddapah		1	--	--	--	14	--	14	14	--	--	--	--	75000	82223
														9029 (FN)	6790
														46130 (LM)	30250
Kurnool		5	--	--	--	130	--	130	130	--	--	--	--	105000 (PR)	116525
														166263	249175
														32585 (FN)	6019
														112104 (LM)	24881
TOTAL : ANDHRA PRADESH		9	1	--	--	202	24	226	226	--	--	--	--	2847350	2937485
														41614 (FN)	12809
														158234 (LM)	55131
														105000 (PR)	116525
CHHATTISHGARH															
Bastar		1	1	--	--	97	179	276	276	--	--	--	35	2412068 (FN)	2988383
														1486370 (LM)	3171824
Durg		6	6	--	--	1202	1611	2813	2683	130	--	438	167	6323444	2677065
														4561531 (PR)	2721227
Rajnandgaon		1	1	--	--	5	7	12	12	--	--	--	3	Nil	Nil
Kanker		1	1	--	--	399	31	430	430	--	--	395	--	260639	190006
														96284 (FN)	162802
Dantewara		2	2	--	--	722	1190	1912	1912	--	--	--	--	11655870 (FN)	30215925
														6486145 (LM)	20955066
TOTAL : CHHATTISHGARH		11	11	--	--	2425	3018	5443	5313	130	--	833	205	6584083	2867071
														14164222 (FN)	33367111
														7972515 (LM)	24126889
														4561531 (PR)	2721227
GOA															
North Goa		35	34	--	--	2137	1497	3634	3618	16	--	530	217	13076120 (FN)	3363690
														6168120 (FN)	1872027
														1030567 (LM)	413550
South Goa		45	39	--	--	2677	764	3441	3341	100	--	1211	308	16225190 (FN)	27776390
														3381657 (FN)	833936
														2101107 (LM)	2998146
Margaon		2	1	--	--	64	22	86	86	--	--	37	7	1378563 (PR)	939407
														289014	99168

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
TOTAL : GOA		82	74	--	--	4878	2283	7161	7045	116	--	1778	532	29590324 9549777 (FN) 3131674 (LM) 5155882 (PR)	31239248 2705964 3411696 7550789
JHARKHAND															
West Singbhum		23	15	--	--	2382	7820	10202	10007	195	--	1019	4218	21767225 6927940 (FN) 3761494 (LM) 238864 (PR) 6927940 (FN) 3761494 (LM) 238864 (PR)	9848779 2339050 2068444 90882 2339050 2068444 90882
KARNATAKA															
Bellary		72	58	--	--	4365	1723	6088	6008	80	--	1238	118	9686567 9588660 (FN) 5192403 (LM) 817110 (PR)	6338153 15269055 12072548 1082609
Bijapur		2	2	--	--	26	13	39	27	12	--	--	--	247200 273713 (FN)	86520 67078
Chikmagalur		1	1	--	--	29	1	30	30	--	--	26	1	114029 105967 (FN)	21472 34056
Chitradurga		13	11	--	--	1023	115	1138	1135	3	--	371	34	6794176 814738 (FN)	3580371 1129381
Dharwar		1	1	--	--	25	9	34	34	--	--	24	3	623095	426180
Tumkur		9	6	--	--	249	48	297	292	5	--	92	22	465421 92932 (FN) 193779 (LM) 152948 (PR)	175338 30124 120561 174830
TOTAL : KARNATAKA		98	79	--	--	5717	1909	7626	7526	100	--	1751	178	17930488 10876010 (FN) 5588950 (LM) 970058 (PR)	10386558 16529694 12619289 1257439

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		SUBMITTING R E T U R N S	U S I N G M E C H . P O W E R	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
MADHYA PRADESH																
Jabalpur		5	1	--	--	74	--	74	57	17	--	--	--	34142	17071	
														553100 (FN)	52577	
														47200 (LM)	4370	
														209167 (PR)	42879	
														553100 (FN)	52577	
														47200 (LM)	4370	
														209167 (PR)	42879	
MAHARASHTRA																
Bhandara		1	1	--	--	37	12	49	46	3	--	--	--	21034 (FN)	18314	
														4598 (LM)	6732	
Chandrapur		1	1	--	--	179	5	184	184	--	--	--	--	250609	56387	
Sindhudurg		8	8	--	--	477	81	558	558	--	--	385	34	1431383	1169740	
														230127 (FN)	200370	
														94855 (LM)	83046	
TOTAL : MAHARASHTRA		10	10	--	--	693	98	791	788	3	--	385	34	1681992	1226127	
														251161 (FN)	218684	
														99453 (LM)	89778	
ORISSA																
Keonjhar		56	46	--	--	7846	6789	14635	13570	1065	--	3686	3468	43381658	38601572	
														11755960 (FN)	11454274	
														11208055 (LM)	17065571	
Mayurbhanj		7	3	--	--	1085	79	1164	884	280	--	596	10	3625193 (PR)	4543598	
														220761	500366	
														234102 (FN)	868932	
Sundergarh		39	29	--	--	3403	1641	5044	4425	619	--	1733	529	538483 (LM)	871889	
														13576770	7595571	
														6268589 (FN)	3045554	
														3397545 (LM)	3430366	
														2450802 (PR)	1806079	
TOTAL : ORISSA		102	78	--	--	12334	8509	20843	18879	1964	--	6015	4007	57179189	46697509	
														18258651 (FN)	15368759	
														15144083 (LM)	21367826	
														6075995 (PR)	6349678	
RAJASTHAN																
Bhilwara		1	1	--	--	123	100	223	223	--	--	92	88	485738	146693	
Jaipur		1	1	--	--	54	14	68	68	--	--	--	--	47620 (LM)	36005	
														181932 (PR)	185365	

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y			E M P L O Y M E N T			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TOTAL : RAJASTHAN		2	2	--	--	177	114	291	291	--	--	92	88	485738 47620 (LM) 181932 (PR)	146693 36005 185365
TOTAL : IRON		342	271	--	--	28882	23775	52657	50132	2525	--	11873	9262	138100531 60622475 (FN) 35951223 (LM) 17498429 (PR)	105366542 70594648 63779429 18314783
21. KYANITE															
JHARKHAND															
East Singhbhum		1	1	--	--	31	4	35	35	--	--	16	--	3491	3998
MAHARASHTRA															
Bhandara		5	--	--	--	82	22	104	101	3	--	--	--	9148	2839
TOTAL : KYANITE		6	1	--	--	113	26	139	136	3	--	16	--	12639	6837
22. LATERITE															
KARNATAKA															
Belgaum		1	1	--	--	65	9	74	74	--	--	--	--	107815	20754
KERALA															
Wrong Code.		1	--	1	--	7	2	9	7	2	--	7	--	10050	1622
Kasaragod		1	1	--	--	14	4	18	14	4	7	--	--	37413	6635
TOTAL : KERALA		2	1	--	--	21	6	27	21	6	--	7	--	47463	8257
MADHYA PRADESH															
Jabalpur		1	--	--	--	40	1	41	18	23	--	--	--	23460	714
RAJASTHAN															
Jhalawar		1	1	--	--	112	21	133	133	--	--	--	--	1720177	276782
TOTAL : LATERITE		5	3	--	--	238	37	275	246	29	--	7	--	1898915	306508

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2													15	16
<b>23. LIMESTONE</b>															
ANDAMAN & NICOBAR ISLAND															
Andamana		1	1	--	--	58	--	58	58	--	--	--	--	Nil	Nil
ANDHRA PRADESH															
Adilabad		4	4	--	--	148	27	175	175	--	--	--	--	7833021	1035117
Anantpur		7	5	--	--	188	145	333	329	4	--	59	106	8298560	869821
Cuddapah		6	6	--	--	143	68	211	206	5	--	32	13	5344579	651017
Guntur		8	8	--	--	178	87	265	265	--	--	16	--	5274046	791342
Karimnagar		1	1	--	--	80	60	140	140	--	--	--	--	1093545	285109
Krishna		6	6	--	--	189	159	348	337	11	--	10	45	4551305	1391671
Kurnool		12	4	--	--	243	81	324	323	1	--	53	2	3918353	419194
Nalgonda		23	23	--	--	554	60	614	610	4	--	--	--	15746504	3168376
Ranga Reddy		5	5	--	--	155	41	196	196	--	--	--	--	5999672	818860
kadapa		2	2	--	--	76	4	80	80	--	--	20	3	4177155	200425
TOTAL : ANDHRA PRADESH		74	64	--	--	1954	732	2686	2661	25	--	190	169	62236740	9630932
														4248 (PR)	637
ASSAM															
Karbi Arglong		1	1	--	--	13	23	36	36	--	--	--	--	217307	92236
North Cachar Hills		5	5	--	--	157	19	176	176	--	--	35	--	146480	53283
TOTAL : ASSAM		6	6	--	--	170	42	212	212	--	--	35	--	363787	145519
BIHAR															
Rohtas		3	2	--	--	116	50	166	162	4	--	--	--	603457	224663
CHHATTISHGARH															
Bilaspur		1	1	--	--	124	4	128	128	--	--	--	--	2126505	149141
Durg		4	3	--	--	72	8	80	80	--	--	--	--	896721	169711
Raipur		9	9	--	--	568	176	744	744	--	--	25	48	23186052	2517572
Janjgir(champa)		2	2	--	--	116	4	120	120	--	--	24	1	2160971	337171
TOTAL : CHHATTISHGARH		16	15	--	--	880	192	1072	1072	--	--	49	49	28370249	3173596
														1817837 (PR)	292799

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>GUJARAT</b>																	
	Amreli	3	3	--	--	187	45	232	232	--	--	44	--	7918561	884349		
	Jamnagar	7	6	--	--	123	176	299	299	--	--	63	161	1975841	150257		
	Junagadh	23	12	--	--	799	142	941	778	163	--	328	79	7183063	557453		
														27450 (PR)	1799		
	Kutch	1	1	--	--	49	7	56	56	--	--	21	--	655306	65939		
	Porbandar	4	3	--	--	170	92	262	206	56	--	57	54	603152	78021		
	<b>TOTAL : GUJARAT</b>	<b>38</b>	<b>25</b>	--	--	<b>1328</b>	<b>462</b>	<b>1790</b>	<b>1571</b>	<b>219</b>	--	<b>513</b>	<b>294</b>	<b>18335923</b>	<b>1736019</b>		
														27450 (PR)	1799		
<b>HIMACHAL PRADESH</b>																	
	Bilaspur	1	1	--	--	23	23	46	46	--	--	--	--	4291300	416200		
	Mandi	1	--	--	--	1	2	3	3	--	--	1	1	Nil	Nil		
	Sirmaur	25	17	--	--	724	102	826	811	15	--	--	--	2156075	404187		
	Solan	3	3	--	--	217	10	227	227	--	--	--	--	8348011	980419		
	<b>TOTAL : HIMACHAL PRADESH</b>	<b>30</b>	<b>21</b>	--	--	<b>965</b>	<b>137</b>	<b>1102</b>	<b>1087</b>	<b>15</b>	--	<b>1</b>	<b>1</b>	<b>14795386</b>	<b>1800806</b>		
<b>HARYANA</b>																	
	Mahendragarh	1	--	--	--	14	2	16	16	--	--	--	--	2760	373		
<b>JHARKHAND</b>																	
	Hazaribagh	4	3	--	--	36	45	81	79	2	--	--	1	80284	23664		
	Palamau	2	--	--	--	102	45	147	143	4	--	75	--	32595	6236		
	Ranchi	2	2	--	--	35	1	36	36	--	--	--	--	4213	326		
	West Singhbhum	7	3	--	--	493	130	623	538	85	--	27	--	1988144	355938		
	Bokaro	1	1	--	--	114	276	390	390	--	--	99	13	91622	21341		
	<b>TOTAL : JHARKHAND</b>	<b>16</b>	<b>9</b>	--	--	<b>780</b>	<b>497</b>	<b>1277</b>	<b>1186</b>	<b>91</b>	--	<b>201</b>	<b>14</b>	<b>2196858</b>	<b>407504</b>		
														38767 (PR)	60586		
<b>JAMMU &amp; KASHMIR</b>																	
	Pulwana	1	1	--	--	33	5	38	38	--	--	--	3	224457	324060		
<b>KARNATAKA</b>																	
	Belgaum	3	1	--	--	28	5	33	29	4	--	3	--	54631	9072		
	Bellary			Employment with Iron										714277 (PR)	55218		
	Bijapur	4	3	--	--	58	19	77	64	13	--	--	--	166322	23480		
	Chitradurga	3	3	--	--	132	41	173	173	--	--	23	--	4952580	605679		
	Gulbarga	4	4	--	--	395	46	441	441	--	--	80	--	20879519	4225464		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Shimoga	1	1	--	--	7	--	7	7	--	--	--	--	47580	10706
	Tumkur	4	3	--	--	95	63	158	153	5	--	11	2	372824	80606
	Bagalkot	23	13	--	--	261	37	298	290	8	--	98	--	2781731	339390
	<b>TOTAL : KARNATAKA</b>	<b>42</b>	<b>28</b>	--	--	<b>976</b>	<b>211</b>	<b>1187</b>	<b>1157</b>	<b>30</b>	--	<b>215</b>	<b>2</b>	<b>29255187</b>	<b>5294396</b>
														<b>714277 (PR)</b>	<b>55218</b>
	<b>KERALA</b>														
	Alleppey	1	1	--	--	57	--	57	57	--	--	--	--	14190	12615
	Palghat	1	1	--	--	64	133	197	197	--	--	--	--	598661 (PR)	59866
	<b>TOTAL : KERALA</b>	<b>2</b>	<b>2</b>	--	--	<b>121</b>	<b>133</b>	<b>254</b>	<b>254</b>	--	--	--	--	<b>14190</b>	<b>12615</b>
														<b>598661 (PR)</b>	<b>59866</b>
	<b>MEGHALAYA</b>														
	East Khasi Hills	3	3	--	--	183	85	268	268	--	--	13	9	1065885	570974
	Jaintia Hills	8	8	--	--	269	24	293	292	1	--	--	--	2277208	459768
	<b>TOTAL : MEGHALAYA</b>	<b>11</b>	<b>11</b>	--	--	<b>452</b>	<b>109</b>	<b>561</b>	<b>560</b>	<b>1</b>	--	<b>13</b>	<b>9</b>	<b>3343093</b>	<b>1030741</b>
	<b>MADHYA PRADESH</b>														
	Damoh	3	3	--	--	111	96	207	207	--	--	--	--	875972	462196
	Jabalpur	8	7	--	--	1003	516	1519	1353	166	--	119	65	5539072	844444
	Mandsaur	2	2	--	--	86	56	142	142	--	--	--	--	4102212	174728
	Rewa	4	4	--	--	289	47	336	336	--	--	--	--	9386548	2076646
	Satna	15	14	--	--	877	398	1275	1261	14	--	311	151	17495758	1905094
	Sidhi	2	2	--	--	69	15	84	84	--	--	--	--	1952986	284351
	Katni	6	3	--	--	335	15	350	346	4	--	18	10	275247	33539
	Neemuch	1	1	--	--	12	4	16	16	--	--	--	--	89078	5875
	<b>TOTAL : MADHYA PRADESH</b>	<b>41</b>	<b>36</b>	--	--	<b>2782</b>	<b>1147</b>	<b>3929</b>	<b>3745</b>	<b>184</b>	--	<b>448</b>	<b>226</b>	<b>39716873</b>	<b>5786873</b>
	<b>MAHARASHTRA</b>														
	Chandrapur	5	5	--	--	289	81	370	370	--	--	51	3	10354288	1355795
	Yavatmal	7	3	--	--	156	43	199	156	43	--	12	--	236933	30737
	<b>TOTAL : MAHARASHTRA</b>	<b>12</b>	<b>8</b>	--	--	<b>445</b>	<b>124</b>	<b>569</b>	<b>526</b>	<b>43</b>	--	<b>63</b>	<b>3</b>	<b>10591221</b>	<b>1386532</b>

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	ORISSA														
	Kalahandi	1	1	--	--	18	3	21	21	--	--	16	3	11630	1256
	Koraput	3	2	--	--	69	15	84	84	--	--	26	--	362185	37605
	Sambalpur	1	1	--	--	240	25	265	264	1	--	155	--	933996	361008
	Sundergarh	12	10	--	--	1647	824	2471	2071	400	--	145	90	4048202	962729
	Bargarh	1	1	--	--	189	27	216	215	1	--	98	--	1208797	413058
	<b>TOTAL : ORISSA</b>	<b>18</b>	<b>15</b>	<b>--</b>	<b>--</b>	<b>2163</b>	<b>894</b>	<b>3057</b>	<b>2655</b>	<b>402</b>	<b>--</b>	<b>440</b>	<b>93</b>	<b>6564810</b>	<b>1775657</b>
	RAJASTHAN														
	Ajmer	2	2	--	--	138	86	224	224	--	--	--	--	2253882	114298
	Banswara	1	1	--	--	20	1	21	21	--	--	--	--	163356	84945
	Barmer	1	1	--	--	18	8	26	24	2	--	--	--	2730	82
	Bundi	1	1	--	--	52	2	54	54	--	--	--	--	923657	184731
	Chittorgarh	6	6	--	--	248	116	364	364	--	--	137	14	11052749	1873605
	Jaipur	4	3	--	--	211	3	214	214	--	--	186	--	6402616	882525
	Jaisalmer	2	2	--	--	139	131	270	270	--	--	77	70	1696870	220593
	Jhalawar	15	15	--	--	1048	72	1120	1018	102	--	70	3	1886992	175810
														88209 (PR)	3247
	Jodhpur	2	1	--	--	46	14	60	60	--	--	--	--	21313	156674
	Kota	34	32	--	--	4759	397	5156	4270	886	--	119	--	10461835	3361290
														4098 (PR)	1954
	Nagaur	9	8	--	--	164	29	193	192	1	--	65	8	1163906	286764
	Pali	2	2	--	--	461	27	488	488	--	--	187	7	12489071	506661
	Sirohi	5	5	--	--	366	150	516	516	--	--	--	--	18057204	1767812
	<b>TOTAL : RAJASTHAN</b>	<b>84</b>	<b>79</b>	<b>--</b>	<b>--</b>	<b>7670</b>	<b>1036</b>	<b>8706</b>	<b>7715</b>	<b>991</b>	<b>--</b>	<b>841</b>	<b>102</b>	<b>66576181</b>	<b>9615790</b>
														92307 (PR)	5201
	TAMIL NADU														
	Coimbatore	2	2	--	--	45	49	94	94	--	--	--	--	1079793	244976
	Madurai	2	2	--	--	108	3	111	111	--	--	--	--	3165954	522265
	Salem	5	5	--	--	127	57	184	173	11	--	55	1	437554	82211
	Thanjavur	1	1	--	--	24	1	25	9	16	--	--	--	27090	2790
	Tiruchirapalli	9	8	--	--	290	15	305	305	--	--	109	4	6185079	811115
	Tirunelveli	11	11	--	--	284	32	316	316	--	--	11	2	1291120	335633
	Chidambarnar	3	3	--	--	17	30	47	47	--	--	8	18	807243	127698
	Kamrajar	2	2	--	--	44	52	96	96	--	--	15	--	307677	97748
	Dindigul-Anna	3	3	--	--	134	17	151	147	4	--	72	--	3204826	655881
	Virudhunagar	3	3	--	--	44	7	51	51	--	--	13	--	201335	61896
	Perambalur	6	6	--	--	172	8	180	180	--	--	87	2	4402651	630139
	Ariyalur	9	9	--	--	243	7	250	250	--	--	141	--	3260625	556558
	<b>TOTAL : TAMIL NADU</b>	<b>56</b>	<b>55</b>	<b>--</b>	<b>--</b>	<b>1532</b>	<b>278</b>	<b>1810</b>	<b>1779</b>	<b>31</b>	<b>--</b>	<b>511</b>	<b>27</b>	<b>24370947</b>	<b>4128907</b>

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R					
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G	12	13	14	15
1	2																
UTTARANCHAL																	
Dehradun		1	--	--	--	1	29	30	30	--	--	--	--	49360	4665		
Tehri Garhwal		1	1	--	--	30	4	34	34	--	--	--	--	31120	3112		
<b>TOTAL : UTTARANCHAL</b>		<b>2</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>31</b>	<b>33</b>	<b>64</b>	<b>64</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>80480</b>	<b>7777</b>		
UTTAR PRADESH																	
Sonebhadra		1	1	--	--	57	10	67	67	--	--	--	--	2926127	398257		
<b>TOTAL : LIMESTONE</b>		<b>455</b>	<b>380</b>	<b>--</b>	<b>--</b>	<b>22527</b>	<b>6094</b>	<b>28621</b>	<b>26585</b>	<b>2036</b>	<b>--</b>	<b>3520</b>	<b>992</b>	<b>310568726</b>	<b>46881016</b>	<b>3293547 (PR)</b>	<b>476106</b>
24. MAGNESITE																	
JHARKHAND																	
East Singhbhum		1	1	--	--	47	10	57	38	19	--	--	--	18551	12986		
KARNATAKA																	
Mysore		4	2	--	--	118	51	169	135	34	--	14	2	23631	36997	75046 (PR)	21137
														75046 (PR)	21137		
TAMIL NADU																	
Salem		9	7	--	--	1902	33	1935	1040	895	--	99	--	464076	826958		
UTTARANCHAL																	
Almora		1	1	--	--	131	50	181	181	--	--	--	--	120231	98800		
<b>TOTAL : MAGNESITE</b>		<b>15</b>	<b>11</b>	<b>--</b>	<b>--</b>	<b>2198</b>	<b>144</b>	<b>2342</b>	<b>1394</b>	<b>948</b>	<b>--</b>	<b>113</b>	<b>2</b>	<b>626489</b>	<b>975740</b>	<b>75046 (PR)</b>	<b>21137</b>
25. MANGANESE																	
ANDHRA PRADESH																	
Vizianagaram		26	19	--	--	1109	90	1199	723	476	--	16	2	404792	524584	2529 (PR)	12643
														2529 (PR)	12643		

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E		D A I L Y			E M P L O Y M E N T		C O N T R A C T   L A B O U R			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	V A L U E '000 Rs.
		SUBMITTING RETURNS	U S I N G M E C H . P O W E R	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M I L E	B/G	O/C	A/G			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>GOA</b>																
	North Goa	2	1	--	--	95	29	124	103	21	--	--	--	600 35267 (PR)	2400 60072	
	South Goa	10	6	--	--	311	40	351	254	97	--	112	25	1842608 247612 (FN) 66061 (LM)	1835015 67944 130334	
	<b>TOTAL : GOA</b>	<b>12</b>	<b>7</b>	--	--	<b>406</b>	<b>69</b>	<b>475</b>	<b>357</b>	<b>118</b>	--	<b>112</b>	<b>25</b>	<b>1843208 247612 (FN) 66061 (LM) 35267 (PR)</b>	<b>1837415 67944 130334 60072</b>	
<b>GUJARAT</b>																
	Panchmahal	1	1	--	--	9	14	23	23	--	--	--	--	228207	622953	
	JHARKHAND															
	West Singhbhum	3	--	--	--	49	36	85	78	7	--	--	--	123460 15510 (PR) 15510 (PR)	31704 8550 8550	
<b>KARNATAKA</b>																
	Bangalore	1	--	--	--	12	6	18	15	3	--	--	--	Nil 9266	Nil 7597	
	Bellary	6	3	--	--	1151	884	2035	1883	152	--	420	--	12000 (LM) 142012 (PR)	2640 318125	
	Chitradurga	6	3	--	--	127	21	148	124	24	--	--	--	274291	175707	
	Tumkur	1	--	--	--	16	2	18	14	4	--	--	--	3570 (PR)	491	
	Uttar Kannada	2	--	--	--	56	17	73	73	--	--	18	--	1904 8100 (PR)	1466 8280	
	<b>TOTAL : KARNATAKA</b>	<b>16</b>	<b>6</b>	--	--	<b>1362</b>	<b>930</b>	<b>2292</b>	<b>2109</b>	<b>183</b>	--	<b>438</b>	--	<b>285461 12000 (LM) 153682 (PR)</b>	<b>184770 2640 326896</b>	
<b>MADHYA PRADESH</b>																
	Balaghat	16	13	6	1963	565	1221	3749	3498	251	365	168	293	376526 182040 (PR)	2733808 1566856	
	Chhindwara	2	2	--	--	52	97	149	128	21	--	--	21	37550 2614 (PR)	94370 5228	
	Jhabua	1	--	--	--	195	71	266	176	90	--	191	--	84047	50429	
	<b>TOTAL : MADHYA PRADESH</b>	<b>19</b>	<b>15</b>	<b>6</b>	<b>1963</b>	<b>812</b>	<b>1389</b>	<b>4164</b>	<b>3802</b>	<b>362</b>	<b>365</b>	<b>359</b>	<b>314</b>	<b>498123 184654 (PR)</b>	<b>2878606 1572084</b>	

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SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y			E M P L O Y M E N T			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>MAHARASHTRA</b>															
	Bhandara	3	2	1	386	897	411	1694	1443	251	2	488	9	560944	3041388
	Nagpur	7	4	4	517	503	385	1405	1191	214	5	142	90	428700	1629240
	<b>TOTAL : MAHARASHTRA</b>	<b>10</b>	<b>6</b>	<b>5</b>	<b>903</b>	<b>1400</b>	<b>796</b>	<b>3099</b>	<b>2634</b>	<b>465</b>	<b>7</b>	<b>630</b>	<b>99</b>	<b>989644</b>	<b>4670628</b>
<b>ORISSA</b>															
	Keonjhar	19	8	--	--	2196	978	3174	2176	998	--	1148	493	478304	746743
	Koraput	1	1	--	--	44	19	63	36	27	--	--	--	312836 (PR)	210012
	Sundergarh	22	8	--	--	531	705	1236	918	318	--	262	530	198687	1004287
	<b>TOTAL : ORISSA</b>	<b>42</b>	<b>17</b>	<b>--</b>	<b>--</b>	<b>2771</b>	<b>1702</b>	<b>4473</b>	<b>3130</b>	<b>1343</b>	<b>--</b>	<b>1410</b>	<b>1023</b>	<b>676991</b>	<b>1751030</b>
														316575 (PR)	214355
	<b>TOTAL : MANGANESE</b>	<b>129</b>	<b>71</b>	<b>11</b>	<b>2866</b>	<b>7918</b>	<b>5026</b>	<b>15810</b>	<b>12856</b>	<b>2954</b>	<b>372</b>	<b>2965</b>	<b>1463</b>	<b>5049886</b>	<b>12501690</b>
														247612 (FN)	67944
														78061 (LM)	132974
														708217 (PR)	2194599
<b>26. MARBLE</b>															
<b>GUJARAT</b>															
	Banas Kantha	4	4	--	--	255	51	306	306	--	--	--	--	729783	630865
	Junagadh			Employment with Limestone										555586	439826
	<b>TOTAL : GUJARAT</b>	<b>4</b>	<b>4</b>	<b>--</b>	<b>--</b>	<b>255</b>	<b>51</b>	<b>306</b>	<b>306</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1285369</b>	<b>1070692</b>
<b>MADHYA PRADESH</b>															
	Jabalpur	1	1	--	--	19	21	40	40	--	--	--	--	15407	2605
	Katni	2	2	--	--	57	12	69	69	--	--	--	--	25062	6517
	<b>TOTAL : MADHYA PRADESH</b>	<b>3</b>	<b>3</b>	<b>--</b>	<b>--</b>	<b>76</b>	<b>33</b>	<b>109</b>	<b>109</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>40469</b>	<b>9123</b>
<b>RAJASTHAN</b>															
	Ajmer	1	1	--	--	28	18	46	46	--	--	--	--	27915	13958
	Banswara	1	--	--	--	8	7	15	15	--	--	--	--	10510	9732
	Jaipur	2	1	--	--	34	7	41	41	--	--	--	--	25072	9502
	Sikar	2	2	--	--	41	17	58	58	--	--	--	--	82364	69335

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		3	4	5	6	7	8	9	10	11	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	Sirohi	1	1	--	--	121	46	167	167	--	--	--	--	135880	131394
	Rajsamand	6	5	--	--	964	226	1190	1190	--	--	--	--	2113505	1893302
	<b>TOTAL : RAJASTHAN</b>	<b>13</b>	<b>10</b>	--	--	<b>1196</b>	<b>321</b>	<b>1517</b>	<b>1517</b>	--	--	--	--	<b>2395246</b>	<b>2127223</b>
	<b>TOTAL : MARBLE</b>	<b>20</b>	<b>17</b>	--	--	<b>1527</b>	<b>405</b>	<b>1932</b>	<b>1932</b>	--	--	--	--	<b>3721084</b>	<b>3207038</b>
27.	<b>MICA</b>														
	ANDHRA PRADESH														
	Nellore	21	19	16	236	74	137	447	378	69	--	--	11	6332444	65536
														34600 (LM)	104
														34600 (LM)	104
	BIHAR														
	Nawada	3	2	2	36	21	15	72	72	--	--	--	--	5011057	13777
	JHARKHAND														
	Hazaribagh	3	--	--	--	--	21	21	21	--	--	--	--	Nil	Nil
	Garhwa	1	1	1	15	--	4	19	19	--	--	--	--	19354	71
	<b>TOTAL : JHARKHAND</b>	<b>4</b>	<b>1</b>	<b>1</b>	<b>15</b>	--	<b>25</b>	<b>40</b>	<b>40</b>	--	--	--	--	<b>19354</b>	<b>71</b>
	RAJASTHAN														
	Bhilwara	1	--	--	--	104	--	104	104	--	--	--	--	13016170	36545
	<b>TOTAL : MICA</b>	<b>29</b>	<b>22</b>	<b>19</b>	<b>287</b>	<b>199</b>	<b>177</b>	<b>663</b>	<b>594</b>	<b>69</b>	--	--	11	<b>24379025</b>	<b>115928</b>
														34600 (LM)	104
28.	<b>OCHRE</b>														
	GUJARAT														
	Patan	1	--	--	--	16	--	16	16	--	--	--	--	592	59
	MADHYA PRADESH														
	Jabalpur	Employment with Iron												470	41
	Satna	1	--	1	14	--	5	19	19	--	--	--	--	970	78
	<b>TOTAL : MADHYA PRADESH</b>	<b>1</b>	<b>--</b>	<b>1</b>	<b>14</b>	--	<b>5</b>	<b>19</b>	<b>19</b>	--	--	--	--	<b>1440</b>	<b>119</b>
	<b>TOTAL : OCHRE</b>	<b>2</b>	<b>--</b>	<b>1</b>	<b>14</b>	<b>16</b>	<b>5</b>	<b>35</b>	<b>35</b>	--	--	--	--	<b>2032</b>	<b>178</b>

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R					
		B/G	O/C	A/G													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		16	
<b>29. QUARTZ</b>																	
ANDHRA PRADESH																	
Mahboob Nagar		3	3	--	--	56	10	66	63	3	--	10	--	141360		35234	
Medak		2	1	--	--	95	--	95	91	4	--	--	--	16319		2448	
Nalgonda		1	--	--	--	2	--	2	2	--	--	2	--	700		130	
Nellore		3	2	--	--	42	32	74	40	34	--	18	--	21766		11332	
Vizianagaram		2	--	--	--	46	--	46	46	--	--	26	--	7918		1162	
														3995 (PR)		654	
TOTAL : ANDHRA PRADESH		11	6	--	--	241	42	283	242	41	--	56	--	188063		50305	
														4940 (PR)		933	
BIHAR																	
Munger		2	--	--	--	30	7	37	37	--	--	--	--	67315		21609	
CHHATTISHGARH																	
Raigarh		2	--	--	--	125	7	132	122	10	--	123	7	29912		4677	
JHARKHAND																	
West Singhbhum		1	--	--	--	31	6	37	37	--	--	--	--	7494		16795	
East Singhbhum		1	1	1	18	--	9	27	27	--	--	--	--	6706		23512	
Saraikhela Kharsawan		1	--	--	--	18	3	21	20	1	--	--	--	Nil		Nil	
TOTAL : JHARKHAND		3	1	1	18	49	18	85	84	1	--	--	--	14200		40307	
MADHYA PRADESH																	
Balaghat		Employment with Mica and Dolomite												217		77	
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		1	--	--	--	11	2	13	13	--	--	10	2	2153		1297	
TOTAL : ORISSA		5	--	--	--	102	2	104	95	9	--	10	2	14387		2808	
														1454 (PR)		144	

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>RAJASTHAN</b>																	
	Sikar	2	--	--	--	67	9	76	75	1	--	--	--	65	3		
	Tonk	1	1	--	--	10	8	18	18	--	--	--	--	527 (PR)	37	2454	
	<b>TOTAL : RAJASTHAN</b>	<b>3</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>77</b>	<b>17</b>	<b>94</b>	<b>93</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>12333</b>	<b>2457</b>		
														527 (PR)	37		
<b>TAMIL NADU</b>																	
	Tirrupur	1	--	--	--	33	2	35	12	23	--	--	--	2643	829		
	Periyar	2	--	--	--	88	--	88	40	48	--	--	--	1921	618		
	Salem	1	--	--	--	33	--	33	12	21	--	--	--	1749	3856		
	Karur	1	--	--	--	53	--	53	12	41	--	--	--	2866	1003		
	<b>TOTAL : TAMIL NADU</b>	<b>5</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>207</b>	<b>2</b>	<b>209</b>	<b>76</b>	<b>133</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>9179</b>	<b>6306</b>		
	<b>TOTAL : QUARTZ</b>	<b>31</b>	<b>8</b>	<b>1</b>	<b>18</b>	<b>831</b>	<b>95</b>	<b>944</b>	<b>749</b>	<b>195</b>	<b>--</b>	<b>189</b>	<b>9</b>	<b>335606</b>	<b>128546</b>		
														6921 (PR)	1114		
<b>30. SALT</b>																	
	HIMACHAL PRADESH																
	Mandi	1	1	--	--	11	--	11	11	--	--	--	--	64	392		
	<b>TOTAL : SALT</b>	<b>1</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>11</b>	<b>--</b>	<b>11</b>	<b>11</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>64</b>	<b>392</b>		
<b>31. SANDSTONE</b>																	
	ANDHRA PRADESH																
	Srikakulam	1	1	--	--	102	350	452	445	7	--	--	--	255	1388364	362238	
	HARYANA																
	Karnal	1	1	--	--	16	--	16	16	--	--	--	--	226986	8371		
	JHARKHAND																
	Sahibganj	2	2	--	--	37	8	45	43	2	--	--	--	11254	2251		
	RAJASTHAN																
	Bundi	1	1	--	--	164	27	191	187	4	--	--	--	55743	70000		
	UTTAR PRADESH																
	Allahabad	1	1	--	--	36	2	38	38	--	--	33	2	404715	96753		
	<b>TOTAL : SANDSTONE</b>	<b>6</b>	<b>6</b>	<b>--</b>	<b>--</b>	<b>355</b>	<b>387</b>	<b>742</b>	<b>729</b>	<b>13</b>	<b>--</b>	<b>33</b>	<b>257</b>	<b>2087062</b>	<b>539613</b>		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R				
		1	2	3	4	5	6	7	8	9	10	11	12	B/G	O/C	A/G
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
<b>32. SELENITE</b>																
RAJASTHAN																
Barmer		2	2	--	--	14	6	20	20	--	--	10	--	2831	3581	
Bikaner		1	--	--	--	15	2	17	17	--	--	13	--	8174	10340	
<b>TOTAL : RAJASTHAN</b>		3	2	--	--	29	8	37	37	--	--	23	--	11005	13921	
<b>TOTAL : SELENITE</b>		3	2	--	--	29	8	37	37	--	--	23	--	11005	13921	
<b>33. SILICA</b>																
ANDHRA PRADESH																
Nellore		5	--	--	--	75	--	75	29	46	--	--	--	474762	22580	
HARYANA																
Faridabad		11	10	--	--	1320	381	1701	1701	--	--	293	--	8353649	1523890	
Gurgaon		3	3	--	--	168	16	184	184	--	--	--	--	1037022	103702	
<b>TOTAL : HARYANA</b>		14	13	--	--	1488	397	1885	1885	--	--	293	--	9390671	1627593	
														347116 (PR)	49533	
MAHARASHTRA																
Ratnagiri		1	1	--	--	23	8	31	19	12	--	20	3	8703 (PR)	2499	
Sindhudurg		7	4	--	--	174	168	342	287	55	--	14	--	216590	48108	
<b>TOTAL : MAHARASHTRA</b>		8	5	--	--	197	176	373	306	67	--	34	3	216590	48108	
														82635 (PR)	41438	
<b>RAJASTHAN</b>																
Bharatpur		1	1	--	--	34	10	44	44	--	--	--	--	26881	841	
Bikaner																
Bundi		2	1	--	--	70	274	344	210	134	--	--	--	10645	2009	
Jaipur		2	2	--	--	51	13	64	49	15	--	--	--	86945	13654	
Dausa		1	--	--	--	7	7	14	14	--	--	--	--	94153 (PR)	37220	
<b>TOTAL : RAJASTHAN</b>		6	4	--	--	162	304	466	317	149	--	--	--	14275	4283	
														11143 (PR)	1337	
														8650	2163	
														105296 (PR)	38557	

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>TAMIL NADU</b>																	
	Chengalpattu(Anna)	1	--	--	--	29	3	32	4	28	--	28	--	1691	505		
	Villupuram	2	--	--	--	9	6	15	9	6	--	6	--	524	156		
	<b>TOTAL : TAMIL NADU</b>	<b>3</b>	--	--	--	<b>38</b>	<b>9</b>	<b>47</b>	<b>13</b>	<b>34</b>	--	<b>34</b>	--	<b>2215</b>	<b>661</b>		
	<b>TOTAL : SILICA</b>	<b>36</b>	<b>22</b>	--	--	<b>1960</b>	<b>886</b>	<b>2846</b>	<b>2550</b>	<b>296</b>	--	<b>361</b>	<b>3</b>	<b>10231634</b>	<b>1721891</b>		
														<b>535047 (PR)</b>	<b>129528</b>		
<b>34. SILLIMANITE</b>																	
	KERALA																
	Kollam	1	1	--	--	230	836	1066	1025	41	--	206	472	295007	1186472		
	MAHARASHTRA																
	Bhandara	4	3	--	--	316	35	351	329	22	--	--	--	6929	2134		
														1588 (LM)	6882		
														48386 (PR)	358072		
														1588 (LM)	6882		
														48386 (PR)	358072		
	ORISSA																
	Ganjam	1	1	--	--	115	856	971	917	54	--	10	177	238093 (PR)	2797633		
	TAMIL NADU																
	Kanyakumari	2	1	--	--	1110	391	1501	1490	11	--	1102	27	138775	43714		
														35793 (PR)	996342		
														35793 (PR)	996342		
	<b>TOTAL : SILLIMANITE</b>	<b>8</b>	<b>6</b>	--	--	<b>1771</b>	<b>2118</b>	<b>3889</b>	<b>3761</b>	<b>128</b>	--	<b>1318</b>	<b>676</b>	<b>440711</b>	<b>1232320</b>		
														1588 (LM)	6882		
														322272 (PR)	4152047		
<b>35. SLATE</b>																	
	HARYANA																
	Rewari	2	1	--	--	167	12	179	179	--	--	--	--	150164	142392		
	<b>TOTAL : SLATE</b>	<b>2</b>	<b>1</b>	--	--	<b>167</b>	<b>12</b>	<b>179</b>	<b>179</b>	--	--	--	--	<b>150164</b>	<b>142392</b>		

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES			A V E R A G E			D A I L Y			E M P L O Y M E N T			OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.		
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>36. STEATITE</b>																	
ANDHRA PRADESH																	
Anantpur		2	--	2	19	--	18	37	28	9	--	--	8	8408	1918		
Kurnool		8	5	1	7	114	26	147	133	14	--	--	--	70862	545	20828	
TOTAL : ANDHRA PRADESH		10	5	3	26	114	44	184	161	23	--	--	8	79270	22746		
														389 (PR)	545		
BIHAR																	
Nawada		1	1	--	--	14	5	19	19	--	--	--	--	2154	261		
JHARKHAND																	
Pakur		1	1	--	--	22	1	23	23	--	--	--	--	Nil	Nil		
Saraikhela Kharsawan		1	--	--	--	--	1	1	1	--	--	--	--	Nil	Nil		
TOTAL : JHARKHAND		2	1	--	--	22	2	24	24	--	--	--	--	Nil	Nil		
MADHYA PRADESH																	
Shivpuri		2	1	--	--	165	72	237	147	90	--	--	--	31313	18680		
Tikamgarh		2	1	--	--	74	9	83	59	24	--	--	--	17385	11579		
TOTAL : MADHYA PRADESH		4	2	--	--	239	81	320	206	114	--	--	--	48698	30259		
MAHARASHTRA																	
Bhandara		Employment with China Clay, clay, white-clay and Sillimanite												681	218		
ORISSA																	
Keonjhar		1	1	--	--	25	11	36	29	7	--	--	--	11787	177		
RAJASTHAN																	
Banswara		1	--	--	--	6	4	10	10	--	--	--	--	1875	1017		
Bhilwara		11	4	--	--	524	66	590	590	--	--	--	--	274862	155176		
														34815 (LM)	4454		
Dungarpur		3	2	--	--	287	85	372	236	136	--	--	--	22741	10276		
Jaipur		1	1	--	--	5	5	10	10	--	--	--	--	Nil	Nil		
Sawai Madhopur		1	--	--	--	40	--	40	40	--	--	--	--	114480	3990		
Udaipur		26	16	4	305	767	233	1305	1173	132	--	57	22	354533	410129		
Rajsamand		3	2	--	--	102	44	146	102	44	--	29	--	13631	7528		
Dausa		1	--	--	--	23	1	24	22	2	--	--	--	1690	338		
Karauli		1	--	--	--	30	--	30	30	--	--	--	--	3510	862		
Pratapgarh		3	2	--	--	131	8	139	139	--	--	--	--	112006	86927		
														42979 (PR)	26809		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R			
		B/G	O/C	A/G											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
TOTAL : RAJASTHAN		51	27	4	305	1915	446	2666	2352	314	--	86	22	899328	676243
														34815 (LM)	4454
														42979 (PR)	26809
UTTARANCHAL															
Almora		1	--	--	--	40	5	45	45	--	--	--	--	517	256
Bageshwar		30	--	--	--	1237	138	1375	1325	50	--	119	--	3094273	1614810
														12700 (PR)	7620
TOTAL : UTTARANCHAL		31	--	--	--	1277	143	1420	1370	50	--	119	--	3094790	1615066
														12700 (PR)	7620
UTTAR PRADESH															
Lalitpur		1	--	--	--	126	118	244	211	33	--	--	--	9504	13749
TOTAL : STEATITE		101	37	7	331	3732	850	4913	4372	541	--	205	30	4146212	2358719
														34815 (LM)	4454
														56068 (PR)	34974
37. STONE															
ANDHRA PRADESH															
Mahboob Nagar		1	1	--	--	26	2	28	28	--	--	--	--	Nil	Nil
Nellore		1	--	--	--	48	2	50	50	--	--	--	--	6301	1385
TOTAL : ANDHRA PRADESH		2	1	--	--	74	4	78	78	--	--	--	--	6301	1385
BIHAR															
Gaya		1	1	--	--	13	8	21	21	--	--	--	--	14242	570
Nawada		3	3	--	--	54	20	74	74	--	--	--	--	2220883	659147
TOTAL : BIHAR		4	4	--	--	67	28	95	95	--	--	--	--	2235125	659717
GOA															
North Goa		4	4	--	--	65	39	104	101	3	--	21	12	331214	161662
South Goa		2	--	--	--	187	2	189	180	9	--	181	--	481162	71975
TOTAL : GOA		6	4	--	--	252	41	293	281	12	--	202	12	812376	233637

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>GUJARAT</b>																	
	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		
	<b>TOTAL : GUJARAT</b>					98	130	228	210	18	--	--	--	306732	35858		
<b>HARYANA</b>																	
	Faridabad	5	3	--	--	586	55	641	641	--	--	84	--	6397351	448217		
	Gurgaon	15	5	--	--	1461	135	1596	1596	--	--	1027	15	4723247	351964		
	Mewat	2	2	--	--	50	16	66	66	--	--	--	--	69774	4884		
	<b>TOTAL : HARYANA</b>					2097	206	2303	2303	--	--	1111	15	11190372	805065		
														6639167 (PR)	464322		
<b>JHARKHAND</b>																	
	Koderma	3	3	--	--	35	24	59	59	--	--	--	--	11894	764		
	Deoghar	1	1	--	--	18	4	22	22	--	--	--	--	22013	1538		
	Hazaribagh	1	1	--	--	8	1	9	9	--	--	--	--	11102	700		
	Sahebganj	31	27	--	--	404	451	855	739	116	--	135	119	7589993	430068		
	Garhwa	1	--	--	--	15	1	16	16	--	--	--	--	401575 (PR)	17083		
	Pakur	49	37	--	--	537	590	1127	1038	89	--	153	158	4129955	234652		
	<b>TOTAL : JHARKHAND</b>					1017	1071	2088	1883	205	--	288	277	11766037	667777		
														401575 (PR)	17083		
<b>KARNATAKA</b>																	
	Belgaum	1	1	--	--	17	2	19	18	1	--	--	--	78	25		
<b>MAHARASHTRA</b>																	
	Mumbai	2	1	--	--	61	8	69	69	--	--	--	--	170868	12380		
	Nagpur	1	1	--	--	21	35	56	45	11	--	19	33	16578	1409		
	Pune	2	2	--	--	39	--	39	39	--	--	--	--	41573	5472		
	Ratnagiri	1	1	--	--	94	29	123	123	--	--	--	--	Nil	Nil		
	Thane	4	4	--	--	49	9	58	49	9	--	--	--	120951	13950		
	Raigad	2	2	--	--	66	9	75	75	--	--	--	--	156300	62580		
	<b>TOTAL : MAHARASHTRA</b>					330	90	420	400	20	--	19	33	506270	95791		

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		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R	B/G	O/C	A/G		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16		
<b>ORISSA</b>																	
	Baleshwar	1	1	--	--	10	5	15	15	--	--	--	--	24106	10788		
	Sundergarh	1	1	--	--	27	--	27	27	--	--	--	--	116946 (PR)	39096		
	<b>TOTAL : ORISSA</b>	<b>2</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>37</b>	<b>5</b>	<b>42</b>	<b>42</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>24106</b>	<b>10788</b>		
														116946 (PR)	39096		
<b>RAJASTHAN</b>																	
	Jaipur	1	1	--	--	60	75	135	135	--	--	--	--	Nil	Nil		
	Kota	Employment with Granite and Limestone												9234	2382		
	Sikar	1	--	--	--	14	6	20	20	--	--	--	--	187830	48462		
	Dausa	1	1	--	--	41	19	60	60	--	--	36	--	64689	5499		
	<b>TOTAL : RAJASTHAN</b>	<b>3</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>115</b>	<b>100</b>	<b>215</b>	<b>215</b>	<b>--</b>	<b>--</b>	<b>36</b>	<b>--</b>	<b>261753</b>	<b>56343</b>		
<b>TAMIL NADU</b>																	
	Chengalpattu(Anna)	2	1	--	--	228	28	256	168	88	--	6	22	55280	2073		
	Virudhunagar	Employment with Granite and Limestone												280679	35100		
	Kancheepuram	5	3	--	--	140	19	159	159	--	--	--	--	1187005	51900		
	Thoothukkudi	2	1	--	--	56	47	103	103	--	--	--	--	181103	8305		
	<b>TOTAL : TAMIL NADU</b>	<b>9</b>	<b>5</b>	<b>--</b>	<b>--</b>	<b>424</b>	<b>94</b>	<b>518</b>	<b>430</b>	<b>88</b>	<b>--</b>	<b>6</b>	<b>22</b>	<b>1704067</b>	<b>97378</b>		
<b>WEST BENGAL</b>																	
	Birbhum	14	14	--	--	384	324	708	696	12	--	78	80	1281860	90251		
	Burdwan	2	1	--	--	22	29	51	38	13	--	--	--	17069	1714		
	<b>TOTAL : WEST BENGAL</b>	<b>16</b>	<b>15</b>	<b>--</b>	<b>--</b>	<b>406</b>	<b>353</b>	<b>759</b>	<b>734</b>	<b>25</b>	<b>--</b>	<b>78</b>	<b>80</b>	<b>1298929</b>	<b>91965</b>		
	<b>TOTAL : STONE</b>	<b>167</b>	<b>127</b>	<b>--</b>	<b>--</b>	<b>4934</b>	<b>2124</b>	<b>7058</b>	<b>6689</b>	<b>369</b>	<b>--</b>	<b>1740</b>	<b>439</b>	<b>30112146</b>	<b>2755728</b>		
														7157688 (PR)	520500		
<b>38. VERMICULITE</b>																	
<b>ANDHRA PRADESH</b>																	
	Nellore	1	--	--	--	16	4	20	13	7	--	--	--	6353	635		
<b>TAMIL NADU</b>																	
	North Arcot	1	--	--	--	18	5	23	20	3	--	--	--	1706	2777		
	<b>TOTAL : VERMICULITE</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>34</b>	<b>9</b>	<b>43</b>	<b>33</b>	<b>10</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>8059</b>	<b>3413</b>		

**STATEMENT NO. 1.2 (CONTD.)**

SL. NO.	MINERAL / STATE / DISTRICT	NUMBER OF MINES				A V E R A G E			D A I L Y				E M P L O Y M E N T				OUTPUT* IN TONNES UNLESS OTHERWISE STATED	VALUE IN '000 Rs.
		SUBMITTING RETURNS	USING MECH. POWER	B E L O W - G R O U N D	B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	M A L E	F A M E L E	C O N T R A C T	L A B O U R						
		B/G	O/C	A/G														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
<b>39. WOLLASTONITE</b>																		
RAJASTHAN																		
Sirohi		2	2	--	--	479	180	659	539	120	--	21	--	59654	50774			
Udaipur		1	1	--	--	267	47	314	239	75	--	65	--	161541	121420			
<b>TOTAL : RAJASTHAN</b>		3	3	--	--	746	227	973	778	195	--	86	--	221195	172194			
<b>TOTAL : WOLLASTONITE</b>		3	3	--	--	746	227	973	778	195	--	86	--	221195	172194			
<b>40. DUNITE</b>																		
KARNATAKA																		
Chikmagalur		1	--	--	--	3	--	3	3	--	--	2	--	3561	475			
TAMIL NADU																		
Salem		Employment with Magnesite												32605	7851			
<b>TOTAL : DUNITE</b>		1	--	--	--	3	--	3	3	--	--	2	--	36166	8326			
<b>TOTAL : METALLIFEROUS</b>		1956	1382	70	9783	104665	58327	172775	159329	13446	1700	31861	17324	--	419108717			

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

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

**STATEMENT NO. 1.3**  
**AVERAGE DAILY EMPLOYMENT IN METALLIFEROUS MINES DURING THE YEAR 2011 : STATEWISE**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL			
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Others	Clerical & Supervisory staff	Workers attached to factories	Others						
		3	4	5	6	7	8	Men	Women	Men	Women	Men	Women			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1.	APATITE & ROCK PHOSPHATE															
	ANDHRA PRADESH	3	21	3	--	--	--	--	--	1	--	--	--	4	7	39
	MADHYA PRADESH	--	--	--	7	108	72	18	1	2	--	--	--	3	--	211
	RAJASTHAN	--	--	--	49	831	--	60	--	131	--	292	--	28	--	1391
	UTTARANCHAL	10	2	55	--	--	--	--	--	25	--	53	--	151	--	296
	WEST BENGAL	--	--	--	2	16	--	84	--	10	--	--	--	13	3	128
TOTAL :	APATITE & ROCK PHOSPHATE	13	23	58	58	955	72	162	1	169	--	345	--	199	10	2065
2.	ASBESTOS															
	ANDHRA PRADESH	7	16	40	4	56	--	--	--	5	--	1	--	10	--	139
3.	BARYTES															
	ANDHRA PRADESH	2	7	--	23	266	16	40	--	67	17	--	--	81	43	562
	HIMACHAL PRADESH	3	12	1	--	--	--	--	--	--	--	--	--	--	--	16
	RAJASTHAN	--	--	--	2	9	--	--	--	1	--	--	--	5	--	17
TOTAL :	BARYTES	5	19	1	25	275	16	40	--	68	17	--	--	86	43	595
4.	BAUXITE															
	CHHATTISHGARH	--	--	--	17	1504	24	265	1	89	--	--	--	49	--	1949
	GUJARAT	--	--	--	73	401	138	56	10	20	--	--	--	13	--	711
	JHARKHAND	--	--	--	65	968	--	278	--	79	--	--	--	226	2	1618
	KARNATAKA	--	--	--	2	11	10	3	--	11	--	--	--	--	--	37
	MADHYA PRADESH	--	--	--	60	498	136	41	--	23	--	--	--	14	--	772
	MAHARASHTRA	--	--	--	19	420	80	120	--	27	--	--	--	17	--	683
	ORISSA	--	--	--	17	67	--	279	1	60	--	69	--	224	--	717
	TAMIL NADU	--	--	--	3	19	--	--	--	4	--	--	--	8	--	34
	UTTAR PRADESH	--	--	--	9	161	49	--	--	3	--	--	--	16	--	238
TOTAL :	BAUXITE	--	--	--	265	4049	437	1042	12	316	--	69	--	567	2	6759
5.	CALCITE															
	RAJASTHAN	--	--	--	24	355	152	112	--	84	--	75	--	53	3	858
6.	CHINA CLAY,CLAY,WHITE-CLAY															
	ANDHRA PRADESH	--	--	--	13	83	--	36	32	7	--	--	--	5	--	176
	GUJARAT	--	--	--	76	279	3	18	3	8	--	7	--	8	3	405
	HARYANA	--	--	--	2	14	--	34	--	16	--	--	--	--	--	66
	JHARKHAND	--	--	--	7	90	51	11	3	63	--	127	46	190	44	632
	KARNATAKA	--	--	--	6	18	4	13	15	12	1	6	--	29	--	104
	KERALA	--	--	--	9	87	49	22	27	71	4	105	73	58	48	553
	ORISSA	--	--	--	--	18	25	--	--	--	--	--	--	9	7	59
	RAJASTHAN	--	--	--	70	153	18	38	--	26	--	--	--	68	5	378
	TAMIL NADU	--	--	--	--	12	--	--	--	2	--	--	--	--	--	14
	WEST BENGAL	--	--	--	12	115	--	47	--	57	--	--	--	116	14	361
TOTAL :	CHINA CLAY,CLAY,WHITE-	--	--	--	195	869	150	219	80	262	5	245	119	483	121	2748

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL			
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders Men	Others Men	Others Women	Clerical & Supervisory staff Men	Workers attached to factories Men	Others Men	Others Women				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>7. CHROMITE</b>																
	KARNATAKA	5	61	--	11	29	33	26	6	26	3	27	27	52	1	307
	ORISSA	117	908	268	139	2078	223	955	13	451	9	489	445	2429	141	8665
<b>TOTAL : CHROMITE</b>		<b>122</b>	<b>969</b>	<b>268</b>	<b>150</b>	<b>2107</b>	<b>256</b>	<b>981</b>	<b>19</b>	<b>477</b>	<b>12</b>	<b>516</b>	<b>472</b>	<b>2481</b>	<b>142</b>	<b>8972</b>
<b>8. COPPER</b>																
	JHARKHAND	74	759	271	--	--	--	--	51	--	31	--	346	1	1533	
	MADHYA PRADESH	--	--	--	18	125	--	107	--	40	--	64	--	42	--	396
	RAJASTHAN	61	410	250	--	--	--	--	34	--	--	--	584	10	1349	
<b>TOTAL : COPPER</b>		<b>135</b>	<b>1169</b>	<b>521</b>	<b>18</b>	<b>125</b>	<b>--</b>	<b>107</b>	<b>--</b>	<b>125</b>	<b>--</b>	<b>95</b>	<b>--</b>	<b>972</b>	<b>11</b>	<b>3278</b>
<b>9. DIAMOND</b>																
	MADHYA PRADESH	--	--	--	5	19	--	7	--	4	2	44	--	18	--	99
<b>10. DOLOMITE</b>																
	ANDHRA PRADESH	--	--	--	20	141	--	136	--	13	--	74	--	58	4	446
	CHHATTISGARH	--	--	--	44	290	136	184	4	62	--	570	--	26	--	1316
	JHARKHAND	--	--	--	6	246	--	2	--	12	--	--	--	35	--	301
	KARNATAKA	--	--	--	8	69	50	10	--	10	--	--	--	14	--	161
	MADHYA PRADESH	--	--	--	3	141	122	2	--	1	--	--	--	4	--	273
	MAHARASHTRA	--	--	--	5	28	9	4	--	7	--	--	--	7	1	61
	ORISSA	--	--	--	8	112	--	64	--	13	--	26	--	127	60	410
	WEST BENGAL	--	--	--	--	--	--	--	--	31	--	--	--	--	--	31
<b>TOTAL : DOLOMITE</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>94</b>	<b>1027</b>	<b>317</b>	<b>402</b>	<b>4</b>	<b>149</b>	<b>--</b>	<b>670</b>	<b>--</b>	<b>271</b>	<b>65</b>	<b>2999</b>
<b>11. FELSPAR</b>																
	ANDHRA PRADESH	--	--	--	27	42	17	38	--	12	--	--	--	--	--	136
	KARNATAKA	--	--	--	--	--	--	10	--	--	--	--	--	--	7	17
	WEST BENGAL	--	--	--	1	14	--	--	--	2	--	--	--	--	--	17
<b>TOTAL : FELSPAR</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>28</b>	<b>56</b>	<b>17</b>	<b>38</b>	<b>10</b>	<b>14</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>7</b>	<b>170</b>
<b>12. FIRE-CLAY</b>																
	ANDHRA PRADESH	--	--	--	12	15	--	1	--	--	--	--	--	--	--	28
	GUJARAT	--	--	--	2	32	--	2	--	--	--	--	--	--	--	36
	MADHYA PRADESH	--	--	--	2	38	16	2	--	2	--	--	--	2	--	62
	ORISSA	--	--	--	10	98	--	59	--	20	--	--	--	7	--	194
	RAJASTHAN	--	--	--	20	96	8	24	4	8	1	--	--	3	--	164
	TAMIL NADU	--	--	--	1	42	--	--	--	--	--	--	--	--	--	43
	WEST BENGAL	--	--	--	1	28	--	3	--	2	--	--	--	--	--	34
<b>TOTAL : FIRE-CLAY</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>48</b>	<b>349</b>	<b>24</b>	<b>91</b>	<b>4</b>	<b>32</b>	<b>1</b>	<b>--</b>	<b>--</b>	<b>12</b>	<b>--</b>	<b>561</b>

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL				
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Others	Clerical & Supervisory staff	Workers attached to factories	Others	Men	Women	Men	Women	Men	Women	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
13.	FLUORITE																
	GUJARAT	--	--	--	3	--	--	52	2	6	--	--	--	--	--	--	63
	MAHARASHTRA	--	--	--	2	29	15	1	--	1	--	--	--	--	4	--	52
	RAJASTHAN	--	--	--	8	--	--	--	--	--	--	--	--	--	--	--	8
TOTAL :	FLUORITE	--	--	--	13	29	15	53	2	7	--	--	--	--	4	--	123
14.	GALENA & SPHALARITE																
	ANDHRA PRADESH	2	--	8	--	--	--	--	--	--	--	--	--	--	30	--	40
	RAJASTHAN	125	761	420	30	--	--	676	2	551	5	34	1	1263	87	3955	
TOTAL :	GALENA & SPHALARITE	127	761	428	30	--	--	676	2	551	5	34	1	1293	87	3995	
15.	GARNET																
	ANDHRA PRADESH	--	--	--	--	28	10	--	--	14	--	--	--	24	--	76	
	TAMIL NADU	--	--	--	16	51	10	1013	12	11	--	3	--	6	--	1122	
TOTAL :	GARNET	--	--	--	16	79	20	1013	12	25	--	3	--	30	--	1198	
16.	GOLD																
	JHARKHAND	5	31	--	--	--	--	--	--	4	--	12	--	--	--	52	
	KARNATAKA	131	1174	237	--	--	--	--	--	483	60	--	--	882	68	3035	
	UTTARANCHAL	2	5	--	--	--	--	--	--	3	--	--	--	12	--	22	
TOTAL :	GOLD	138	1210	237	--	--	--	--	--	490	60	12	--	894	68	3109	
17.	GRANITE																
	ANDHRA PRADESH	--	--	--	300	2262	1	1180	1	358	8	403	--	666	36	5215	
	GOA	--	--	--	4	68	--	8	--	3	--	--	--	6	--	89	
	KARNATAKA	--	--	--	126	691	12	233	2	104	2	--	--	131	1	1302	
	KERALA	--	--	--	19	122	45	12	4	19	3	11	--	34	11	280	
	MADHYA PRADESH	--	--	--	2	2	--	190	--	7	--	--	--	17	--	218	
	ORISSA	--	--	--	2	19	--	5	--	2	--	--	--	2	--	30	
	TAMIL NADU	--	--	--	230	1656	16	758	10	185	1	36	--	196	7	3095	
	UTTAR PRADESH	--	--	--	2	--	--	80	--	17	--	15	--	55	--	169	
TOTAL :	GRANITE	--	--	--	685	4820	74	2466	17	695	14	465	--	1107	55	10398	
18.	GRAPHITE																
	JHARKHAND	--	--	--	1	62	--	1	--	--	--	--	--	--	--	64	
	ORISSA	--	--	--	8	80	88	24	12	8	--	--	--	3	--	223	
	TAMIL NADU	--	--	--	3	17	--	16	--	2	--	--	--	1	--	39	
TOTAL :	GRAPHITE	--	--	--	12	159	88	41	12	10	--	--	--	4	--	326	

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL				
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Others	Clerical & Supervisory staff	Workers attached to factories	Others	Men	Women	Men	Women	Men	Women	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>19. GYPSUM</b>																	
	JAMMU & KASHMIR	--	--	--	5	59	--	15	--	5	--	--	--	--	--	--	84
	RAJASTHAN	--	--	--	44	53	--	36	--	45	--	--	--	9	--	187	
	<b>TOTAL : GYPSUM</b>	--	--	--	49	112	--	51	--	50	--	--	--	9	--	271	
<b>20. IRON</b>																	
	ANDHRA PRADESH	--	--	--	23	94	--	85	--	5	--	--	--	19	--	226	
	CHHATTISHGARH	--	--	--	221	1595	6	587	16	522	--	1418	3	970	105	5443	
	GOA	--	--	--	555	2350	16	1917	40	464	6	926	5	833	49	7161	
	JHARKHAND	--	--	--	141	1317	5	890	29	702	11	1942	39	5015	111	10202	
	KARNATAKA	--	--	--	427	2745	63	2459	23	641	4	183	--	1071	10	7626	
	MADHYA PRADESH	--	--	--	5	6	3	46	14	--	--	--	--	--	--	74	
	MAHARASHTRA	--	--	--	47	456	3	187	--	50	--	14	--	34	--	791	
	ORISSA	--	--	--	606	7394	1398	2873	63	1868	26	3030	88	3108	389	20843	
	RAJASTHAN	--	--	--	7	106	--	64	--	17	--	9	--	88	--	291	
	<b>TOTAL : IRON</b>	--	--	--	2032	16063	1494	9108	185	4269	47	7522	135	11138	664	52657	
<b>21. KYANITE</b>																	
	JHARKHAND	--	--	--	3	19	--	9	--	1	--	--	--	3	--	35	
	MAHARASHTRA	--	--	--	10	66	3	3	--	6	--	15	--	1	--	104	
	<b>TOTAL : KYANITE</b>	--	--	--	13	85	3	12	--	7	--	15	--	4	--	139	
<b>22. LATERITE</b>																	
	KARNATAKA	--	--	--	1	37	--	27	--	9	--	--	--	--	--	74	
	KERALA	--	--	--	1	--	--	15	5	3	--	--	--	2	1	27	
	MADHYA PRADESH	--	--	--	1	16	23	--	--	1	--	--	--	--	--	41	
	RAJASTHAN	--	--	--	11	39	--	62	--	7	--	--	--	14	--	133	
	<b>TOTAL : LATERITE</b>	--	--	--	14	92	23	104	5	20	--	--	--	16	1	275	
<b>23. LIMESTONE</b>																	
	ANDAMAN & NICOBAR IS	--	--	--	2	46	--	10	--	--	--	--	--	--	--	58	
	ANDHRA PRADESH	--	--	--	264	1156	9	525	--	223	5	100	--	393	11	2686	
	ASSAM	--	--	--	12	126	--	32	--	23	--	8	--	11	--	212	
	BIHAR	--	--	--	6	100	3	7	--	9	--	--	--	40	1	166	
	CHHATTISHGARH	--	--	--	130	328	--	422	--	76	--	33	--	83	--	1072	
	GUJARAT	--	--	--	112	794	218	204	--	292	--	14	--	155	1	1790	
	HIMACHAL PRADESH	--	--	--	63	693	12	197	--	47	--	24	--	63	3	1102	
	HARYANA	--	--	--	1	11	--	2	--	1	--	--	--	1	--	16	
	JHARKHAND	--	--	--	40	482	79	173	6	136	2	39	--	316	4	1277	
	JAMMU & KASHMIR	--	--	--	1	32	--	--	--	5	--	--	--	--	--	38	

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL			
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Others	Clerical & Supervisory staff	Workers attached to factories	Others	Men	Women	Men	Women		
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	2															
	KARNATAKA	--	--	--	87	618	10	251	10	101	--	74	--	26	10	1187
	KERALA	--	--	--	4	60	--	57	--	12	--	121	--	--	--	254
	MEGHALAYA	--	--	--	35	217	--	200	--	58	1	--	--	50	--	561
	MADHYA PRADESH	--	--	--	211	1970	123	478	--	127	2	128	--	831	59	3929
	MAHARASHTRA	--	--	--	37	222	43	143	--	36	--	12	--	76	--	569
	ORISSA	--	--	--	187	1116	336	524	--	60	2	5	--	763	64	3057
	RAJASTHAN	--	--	--	302	5412	699	1023	234	406	7	132	8	440	43	8706
	TAMIL NADU	--	--	--	144	913	31	444	--	109	--	46	--	123	--	1810
	UTTARANCHAL	--	--	--	5	24	--	2	--	33	--	--	--	--	--	64
	UTTAR PRADESH	--	--	--	8	38	--	11	--	10	--	--	--	--	--	67
	<b>TOTAL : LIMESTONE</b>	--	--	--	1651	14358	1563	4705	250	1764	19	736	8	3371	196	28621
24.	<b>MAGNESITE</b>															
	JHARKHAND	--	--	--	1	27	19	--	--	6	--	--	--	4	--	57
	KARNATAKA	--	--	--	11	34	29	40	4	10	1	16	--	24	--	169
	TAMIL NADU	--	--	--	31	425	93	554	799	30	3	--	--	--	--	1935
	UTTARANCHAL	--	--	--	13	41	--	77	--	15	--	28	--	7	--	181
	<b>TOTAL : MAGNESITE</b>	--	--	--	56	527	141	671	803	61	4	44	--	35	--	2342
25.	<b>MANGANESE</b>															
	ANDHRA PRADESH	--	--	--	51	447	452	142	17	27	--	--	--	56	7	1199
	GOA	--	--	--	22	152	69	128	35	12	--	--	--	43	14	475
	GUJARAT	--	--	--	3	3	--	3	--	4	--	2	--	8	--	23
	JHARKHAND	--	--	--	4	5	3	37	--	8	--	19	4	5	--	85
	KARNATAKA	--	--	--	72	765	57	460	8	196	13	--	--	616	105	2292
	MADHYA PRADESH	108	1429	426	42	421	165	152	32	207	12	485	68	532	85	4164
	MAHARASHTRA	56	655	192	44	596	183	397	180	87	18	138	50	469	34	3099
	ORISSA	--	--	--	175	1209	1054	273	60	154	16	26	1	1293	212	4473
	<b>TOTAL : MANGANESE</b>	164	2084	618	413	3598	1983	1592	332	695	59	670	123	3022	457	15810
26.	<b>MARBLE</b>															
	GUJARAT	--	--	--	24	212	--	19	--	21	--	30	--	--	--	306
	MADHYA PRADESH	--	--	--	6	50	--	20	--	33	--	--	--	--	--	109
	RAJASTHAN	--	--	--	48	804	--	344	--	262	--	7	--	52	--	1517
	<b>TOTAL : MARBLE</b>	--	--	--	78	1066	--	383	--	316	--	37	--	52	--	1932
27.	<b>MICA</b>															
	ANDHRA PRADESH	37	123	76	12	42	4	16	--	27	2	5	14	40	49	447
	BIHAR	5	21	10	2	15	--	4	--	7	--	--	--	8	--	72
	JHARKHAND	2	11	2	--	--	--	--	--	6	--	--	--	19	--	40
	RAJASTHAN	--	--	--	1	102	--	1	--	--	--	--	--	--	--	104
	<b>TOTAL : MICA</b>	44	155	88	15	159	4	21	--	40	2	5	14	67	49	663

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL					
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Others	Clerical & Supervisory staff	Workers attached to factories	Others	Men	Women	Men	Women	Men	Women		
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>28. OCHRE</b>																		
	GUJARAT	--	--	--	--	16	--	--	--	--	--	--	--	--	--	--	--	16
	MADHYA PRADESH	2	--	12	--	--	--	--	--	--	1	--	4	--	--	--	--	19
<b>TOTAL : OCHRE</b>		2	--	12	--	16	--	--	--	1	--	4	--	--	--	--	35	
<b>29. QUARTZ</b>																		
	ANDHRA PRADESH	--	--	--	11	162	14	54	--	11	--	--	--	4	27	283		
	BIHAR	--	--	--	3	18	--	9	--	7	--	--	--	--	--	--	37	
	CHHATTISGARH	--	--	--	2	114	9	--	--	6	1	--	--	--	--	--	132	
	JHARKHAND	4	14	--	2	46	--	1	--	11	--	3	--	3	1	85		
	ORISSA	--	--	--	8	54	9	31	--	2	--	--	--	--	--	--	104	
	RAJASTHAN	--	--	--	2	60	1	14	--	6	--	--	--	11	--	--	94	
	TAMIL NADU	--	--	--	7	54	133	13	--	2	--	--	--	--	--	--	209	
<b>TOTAL : QUARTZ</b>		4	14	--	35	508	166	122	--	45	1	3	--	18	28	944		
<b>30. SALT</b>																		
	HIMACHAL PRADESH	--	--	--	--	11	--	--	--	--	--	--	--	--	--	--	11	
<b>31. SANDSTONE</b>																		
	ANDHRA PRADESH	--	--	--	5	--	--	97	--	95	--	248	--	--	7	452		
	HARYANA	--	--	--	5	--	11	--	--	--	--	--	--	--	--	16		
	JHARKHAND	--	--	--	3	21	1	12	--	2	--	--	--	5	1	45		
	RAJASTHAN	--	--	--	7	126	--	27	4	12	--	15	--	--	--	191		
	UTTAR PRADESH	--	--	--	3	--	--	33	--	2	--	--	--	--	--	--	38	
<b>TOTAL : SANDSTONE</b>		--	--	--	18	152	1	180	4	111	--	263	--	5	8	742		
<b>32. SELENITE</b>																		
	RAJASTHAN	--	--	--	6	23	--	--	--	2	--	--	--	6	--	--	37	
<b>33. SILICA</b>																		
	ANDHRA PRADESH	--	--	--	3	20	35	6	11	--	--	--	--	--	--	--	75	
	HARYANA	--	--	--	98	1097	--	293	--	182	--	25	--	190	--	--	1885	
	MAHARASHTRA	--	--	--	13	93	62	25	4	65	--	56	--	54	1	373		
	RAJASTHAN	--	--	--	14	69	5	64	10	30	--	107	134	33	--	466		
	TAMIL NADU	--	--	--	3	1	28	--	6	--	--	--	--	9	--	--	47	
<b>TOTAL : SILICA</b>		--	--	--	131	1280	130	388	31	277	--	188	134	286	1	2846		

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL			
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Others	Clerical & Supervisory staff	Workers attached to factories	Others	Men	Women	Men	Women	Men	Women
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>34. SILLIMANITE</b>																
	KERALA	--	--	--	1	17	--	212	--	76	21	719	20	--	--	1066
	MAHARASHTRA	--	--	--	8	287	16	3	2	16	4	--	--	15	--	351
	ORISSA	--	--	--	8	86	--	21	--	53	--	--	--	749	54	971
	TAMIL NADU	--	--	--	7	1102	--	1	--	136	11	--	--	244	--	1501
<b>TOTAL : SILLIMANITE</b>		--	--	--	24	1492	16	237	2	281	36	719	20	1008	54	3889
<b>35. SLATE</b>																
	HARYANA	--	--	--	4	154	--	9	--	12	--	--	--	--	--	179
<b>36. STEATITE</b>																
	ANDHRA PRADESH	3	9	14	7	100	--	7	--	7	5	3	4	11	14	184
	BIHAR	--	--	--	1	12	--	1	--	4	--	--	--	1	--	19
	JHARKHAND	--	--	--	3	8	--	11	--	2	--	--	--	--	--	24
	MADHYA PRADESH	--	--	--	24	119	90	6	--	5	--	15	--	37	24	320
	ORISSA	--	--	--	1	11	7	6	--	1	--	--	--	10	--	36
	RAJASTHAN	7	91	207	115	1000	160	607	33	142	8	13	--	170	113	2666
	UTTARANCHAL	--	--	--	76	983	1	168	49	97	--	17	--	29	--	1420
	UTTAR PRADESH	--	--	--	1	2	--	90	33	7	--	111	--	--	--	244
<b>TOTAL : STEATITE</b>		10	100	221	228	2235	258	896	115	265	13	159	4	258	151	4913
<b>37. STONE</b>																
	ANDHRA PRADESH	--	--	--	26	32	--	16	--	3	--	--	--	1	--	78
	BIHAR	--	--	--	9	34	--	24	--	12	--	4	--	12	--	95
	GOA	--	--	--	9	123	2	109	9	13	1	--	--	27	--	293
	GUJARAT	--	--	--	8	64	4	16	6	52	2	44	--	26	6	228
	HARYANA	--	--	--	201	1821	--	75	--	153	--	--	--	53	--	2303
	JHARKHAND	--	--	--	184	530	--	300	3	269	11	164	92	436	99	2088
	KARNATAKA	--	--	--	1	15	--	--	1	2	--	--	--	--	--	19
	MAHARASHTRA	--	--	--	68	194	9	59	--	57	--	--	--	22	11	420
	ORISSA	--	--	--	5	29	--	3	--	2	--	3	--	--	--	42
	RAJASTHAN	--	--	--	22	88	--	5	--	81	--	--	--	19	--	215
	TAMIL NADU	--	--	--	36	257	86	45	--	29	--	36	--	27	2	518
	WEST BENGAL	--	--	--	49	236	--	121	--	151	--	54	--	123	25	759
<b>TOTAL : STONE</b>		--	--	--	618	3423	101	773	19	824	14	305	92	746	143	7058

**STATEMENT NO. 1.3 (CONTD.)**

SL. NO.	MINERAL/STATE	B E L O W G R O U N D			O P E N C A S T				A B O V E G R O U N D				GRAND TOTAL			
		Foreman & Mining Mate	Face Workers & Loaders	Others	Foreman & Mining Mate	Miners & Loaders	Men	Women	Others	Men	Women	Clerical & Supervisory staff	Workers attached to factories	Others		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
38. VERMICULITE																
ANDHRA PRADESH		--	--	--	1	8	7	--	--	4	--	--	--	--	--	20
TAMIL NADU		--	--	--	1	11	3	3	--	5	--	--	--	--	--	23
TOTAL : VERMICULITE		--	--	--	2	19	10	3	--	9	--	--	--	--	--	43
39. WOLLASTONITE																
RAJASTHAN		--	--	--	25	338	160	222	1	65	1	57	2	71	31	973
40. DUNITE																
KARNATAKA		--	--	--	1	--	--	2	--	--	--	--	--	--	--	3
TOTAL : METALLIFEROUS		771	6520	2492	7083	61040	7691	26929	1922	12597	312	13301	1124	28596	2397	172775

**STATEMENT NO. 1.5**  
**AVERAGE DAILY EMPLOYMENT, OUTPUT AND VALUE IN OIL MINES DURING THE YEAR 2011 : STATE-DISTRICT WISE**

STATE/DISTRICT	MINES SUBMI- TTING RETURNS												A V E R A G E     D A I L Y     E M P L O Y M E N T				
	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	5	667	1324	1319	5	216	27	--	235	39	3	804	2017529	46374285	4668704	17715826	
ARUNACHAL PRADESH Changlang	1	150	191	191	--	12	--	28	12	--	3	136	96465	2498066	28103	84309	
ASSAM																	
Dibrugarh	5	1285	5294	5259	35	222	162	1678	1781	403	--	1048	4006038	57013132	2374000	16445885	
Jorhat	2	2	218	214	4	48	2	21	75	--	8	64	147477	5877400	53516	242530	
Sibsagar	16	655	3814	3804	10	1194	238	354	752	320	65	891	1592539	26481777	541235	1333190	
Cachar	1	--	104	104	--	80	--	14	10	--	--	--	849	24860	22200	57631	
<b>TOTAL:ASSAM</b>	<b>24</b>	<b>1942</b>	<b>9430</b>	<b>9381</b>	<b>49</b>	<b>1544</b>	<b>402</b>	<b>2067</b>	<b>2618</b>	<b>723</b>	<b>73</b>	<b>2003</b>	<b>5746903</b>	<b>89397169</b>	<b>2990951</b>	<b>18079236</b>	
GUJARAT																	
Ahmedabad	5	250	2212	2193	19	921	11	101	155	--	--	1024	1645949	48196679	263058	873877	
Bharuch	1	1781	4747	4688	59	1605	--	--	--	--	--	3142	1504479	17150979	1559480	5180593	
Gandhinagar	4	166	274	274	--	81	--	--	176	--	--	17	31388	658549	10371	31316	
Kheda	2	100	104	103	1	14	--	9	23	--	--	58	60266	1191808	272597	830338	
Mehasana	12	735	3516	3482	34	1154	15	--	709	113	49	1476	2539650	64451242	346809	917484	
Surat	3	891	1125	1124	1	29	--	856	64	--	8	168	541166	13939358	806838	5341923	
Koira	2	61	425	419	6	18	7	78	204	--	8	110	328556	6550957	13248	67250	
Anand	3	30	55	51	4	6	--	--	12	11	4	22	2427	75872	3246	29183	
<b>TOTAL:GUJARAT</b>	<b>32</b>	<b>4014</b>	<b>12458</b>	<b>12334</b>	<b>124</b>	<b>3828</b>	<b>33</b>	<b>1044</b>	<b>1343</b>	<b>124</b>	<b>69</b>	<b>6017</b>	<b>6653881</b>	<b>152215444</b>	<b>3275647</b>	<b>13271964</b>	
JHARKHAND																	
Hazaribagh	1	--	17	17	--	--	1	14	--	--	1	1	--	--	--	--	
Bokaro	3	--	91	91	--	16	3	5	14	--	6	47	31707	95429	3655145	10956353	
<b>TOTAL:JHARKHAND</b>	<b>4</b>	<b>--</b>	<b>108</b>	<b>108</b>	<b>--</b>	<b>16</b>	<b>4</b>	<b>19</b>	<b>14</b>	<b>--</b>	<b>7</b>	<b>48</b>	<b>31707</b>	<b>95429</b>	<b>3655145</b>	<b>10956353</b>	
MADHYA PRADESH																	
Shahdol	2	41	206	204	2	44	8	--	--	104	4	46	--	--	357854	1431416	
RAJASTHAN																	
Barmer	3	--	607	607	--	64	5	61	151	--	102	224	3810290	11467923	189	316	
Jaisalmer	4	81	303	303	--	59	34	111	24	11	18	46	--	278128	582196		
<b>TOTAL:RAJASTHAN</b>	<b>7</b>	<b>81</b>	<b>910</b>	<b>910</b>	<b>--</b>	<b>123</b>	<b>39</b>	<b>172</b>	<b>175</b>	<b>11</b>	<b>120</b>	<b>270</b>	<b>3810290</b>	<b>11467923</b>	<b>278317</b>	<b>582512</b>	

**STATEMENT NO. 1.5 (CONTD.)**

STATE/DISTRICT	MINES SUBMI- TTING RETURNS		A V E R A G E		D A I L Y		E M P L O Y M E N T					OIL		GAS		
	CONTRACT	TOTAL	MEN	WOMEN	SUPER- VISORS	CLERKS	DRILL- ING	PRODU- CTION	WORK- SHOP	FIRE- SERVICE	OTHERS	Output Tonnes	Value '000 Rs.	Output '000 CM	Value '000 Rs.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
<b>TAMIL NADU</b>																
Thanjavur	2	279	531	531	--	4	--	--	220	--	--	307	494481	15727600	2449436	12531830
Cuddalore	1	42	50	50	--	5	1	17	--	--	--	27	--	--	--	--
NAGAPATTINAM	1	--	135	135	--	25	2	--	15	--	2	91	--	--	376	2170643
OFFSHORE	1	124	142	136	6	6	16	--	88	--	--	32	97957	3578977	--	--
<b>TOTAL:TAMIL NADU</b>	<b>5</b>	<b>445</b>	<b>858</b>	<b>852</b>	<b>6</b>	<b>40</b>	<b>19</b>	<b>17</b>	<b>323</b>	<b>--</b>	<b>2</b>	<b>457</b>	<b>592438</b>	<b>19306577</b>	<b>2449812</b>	<b>14702473</b>
<b>TRIPURA</b>																
West Tripura	3	153	1063	1063	--	252	--	273	140	101	32	265	--	--	552579	1179135
<b>WEST BENGAL</b>																
Birbhum	1	--	755	749	6	40	54	161	38	--	--	462	--	--	8740	39074
Midnapore	1	--	44	44	--	1	--	36	--	--	1	6	--	--	--	--
<b>TOTAL:WEST BENGAL</b>	<b>2</b>	<b>--</b>	<b>799</b>	<b>793</b>	<b>6</b>	<b>41</b>	<b>54</b>	<b>197</b>	<b>38</b>	<b>--</b>	<b>1</b>	<b>468</b>	<b>--</b>	<b>--</b>	<b>8740</b>	<b>39074</b>
<b>TOTAL: OIL</b>	<b>85</b>	<b>7493</b>	<b>27347</b>	<b>27155</b>	<b>192</b>	<b>6116</b>	<b>586</b>	<b>3817</b>	<b>4898</b>	<b>1102</b>	<b>314</b>	<b>10514</b>	<b>18949213</b>	<b>321354893</b>	<b>18265852</b>	<b>78042298</b>

**STATEMENT NO. 1.6**  
**CLASSIFICATION OF NON-COAL MINES BY SIZE OF THEIR OVERALL AVERAGE DAILY EMPLOYMENT DURING THE YEAR 2011**

SL. NO.	MINERAL	NUMBER OF MINES EMPLOYING PERSONS											
		UP TO 20	21 TO 50	51 TO 100	100 TO 150	151 TO 250	251 TO 400	401 TO 500	501 TO 800	801 TO 1200	1201 TO 1600	ABOVE 1600	TOTAL
		3	4	5	6	7	8	9	10	11	12	13	14
1. Oil	14	5	11	12	19	8	1	6	4	3	2	85	
2. APATITE & ROCK PHOSPHATE	1	3	2	2	2	--	--	--	1	--	--	11	
3. ASBESTOS	1	2	1	--	--	--	--	--	--	--	--	4	
4. BARYTES	2	2	--	--	--	--	--	1	--	--	--	5	
5. BAUXITE	28	34	17	6	4	3	--	1	1	--	--	94	
6. CALCITE	1	--	--	--	--	1	1	--	--	--	--	3	
7. CHINA CLAY, CLAY, WHITE-	48	25	8	2	1	1	--	--	--	--	--	85	
8. CHROMITE	2	3	4	1	7	3	1	3	1	2	--	27	
9. COPPER	--	--	--	--	--	1	1	1	2	--	--	5	
10. DIAMOND	--	--	1	--	--	--	--	--	--	--	--	1	
11. DOLOMITE	9	10	6	2	2	5	--	--	--	--	--	34	
12. FELSPAR	3	3	1	--	--	--	--	--	--	--	--	7	
13. FIRE-CLAY	18	10	--	--	--	--	--	--	--	--	--	28	
14. FLUORITE	2	--	2	--	--	--	--	--	--	--	--	4	
15. GALENA & SPHALARITE	1	1	--	3	4	1	--	1	--	--	0	12	
16. GARNET	1	5	--	--	--	--	--	--	1	--	--	7	
17. GOLD	--	1	1	2	--	--	--	--	--	--	0	5	
18. GRANITE	62	107	31	13	3	2	--	2	--	--	--	220	
19. GRAPHITE	7	4	1	--	--	--	--	--	--	--	--	12	
20. GYPSUM	25	3	--	--	--	--	--	--	--	--	--	28	
21. IRON	55	104	59	30	37	25	10	11	9	--	0	342	
22. KYANITE	3	3	--	--	--	--	--	--	--	--	--	6	
23. LATERITE	2	1	1	1	--	--	--	--	--	--	--	5	
24. LIMESTONE	139	152	98	34	17	7	3	2	3	--	--	455	
25. MAGNESITE	4	2	3	2	2	1	--	--	1	--	--	15	
26. MANGANESE	38	42	20	4	9	6	1	6	2	--	0	129	
27. MARBLE	5	9	2	--	3	--	--	--	1	--	--	20	
28. MICA	14	14	--	1	--	--	--	--	--	--	--	29	
29. OCHRE	2	--	--	--	--	--	--	--	--	--	--	2	
30. QUARTZ	10	16	5	--	--	--	--	--	--	--	--	31	
31. SALT	1	--	--	--	--	--	--	--	--	--	--	1	
32. SANDSTONE	2	2	--	--	1	--	1	--	--	--	--	6	
33. SELENITE	3	--	--	--	--	--	--	--	--	--	--	3	
34. SILICA	8	12	8	1	4	3	--	--	--	--	--	36	
35. SILLIMANITE	1	2	--	--	--	1	1	--	3	--	--	8	
36. SLATE	--	--	2	--	--	--	--	--	--	--	--	2	
37. STEATITE	31	43	17	1	8	1	--	--	--	--	--	101	
38. STONE	67	66	21	4	5	4	--	--	--	--	--	167	
39. VERMICULITE	1	1	--	--	--	--	--	--	--	--	--	2	
40. WOLLASTONITE	--	--	--	--	--	3	--	--	--	--	--	3	
41. DUNITE	1	--	--	--	--	--	--	--	--	--	--	1	
<b>TOTAL : NON-COAL</b>	<b>612</b>	<b>687</b>	<b>322</b>	<b>121</b>	<b>128</b>	<b>76</b>	<b>20</b>	<b>34</b>	<b>29</b>	<b>5</b>	<b>7</b>	<b>2041</b>	

STATEMENT NO. 1.7  
 CLASSIFICATION OF NON-COAL MINES HAVING WORKING BELOWGROUND BY SIZE OF THEIR OVERALL & BELOWGROUND  
 AVERAGE DAILY EMPLOYMENT DURING THE YEAR 2011

SL. NO.	MINERAL	BELOWGROUND		OVERALL AVERAGE DAILY EMPLOYMENT						
		AVERAGE DAILY EMPLOYMENT	UPTO 150	151 TO 400	401 TO 500	501 TO 800	801 TO 1200	1201 TO 1600	ABOVE 1600	TOTAL
		3	4	5	6	7	8	9	10	11
1.	Apatite & Rock Phospha	Upto 50 51 - 75	2 --	-- 1	-- --	-- --	-- --	-- --	-- --	2 1
2.	Asbestos	Upto 50	3	--	--	--	--	--	--	3
3.	Barytes	Upto 50	2	--	--	--	--	--	--	2
4.	Chromite	51 - 75 76 - 150 151 - 300 301 - 450	1 -- -- --	1 2 1 --	-- -- -- --	-- -- -- 1	-- -- -- 1	-- -- -- --	2 2 1 2	
5.	Copper	301 - 450 Above 600	-- --	-- --	1 --	1 --	1 1	-- --	-- --	3 1
6.	Galena & Sphalarite	Upto 50 76 - 150 151 - 300 451 - 600	1 2 -- --	-- -- 3 --	-- -- -- --	-- -- 1 --	-- -- -- --	-- -- -- --	1 2 3 1	
7.	Gold	Upto 50 51 - 75 Above 600	2 2 --	-- -- --	-- -- --	-- -- --	-- -- --	-- -- 1	-- -- 1	2 2 1
8.	Manganese	Upto 50 51 - 75 76 - 150 151 - 300 301 - 450 Above 600	3 -- 2 -- -- --	-- 1 -- 1 -- --	-- -- -- 1 -- --	-- -- -- 1 -- --	-- -- -- -- -- --	-- -- -- -- -- --	3 1 2 3 1 1	
9.	Mica	Upto 50	19	--	--	--	--	--	--	19
10.	Ochre	Upto 50	1	--	--	--	--	--	--	1
11.	Quartz	Upto 50	1	--	--	--	--	--	--	1
12.	Steatite	Upto 50 151 - 300	6 --	-- 1	-- --	-- 1	-- 2	-- 2	-- 1	6 1
All Mineral		Upto 50 51 - 75 76 - 150 151 - 300 301 - 450 451 - 600 Above 600	40 3 2 6 -- -- --	-- 3 4 1 1 1 --	-- -- -- 1 2 1 --	-- -- -- 1 3 -- 1	-- -- -- -- -- -- --	-- -- -- -- -- -- 2	40 6 6 8 6 1 3	
TOTAL : NON-COAL			45	13	2	4	4	--	2	70

**STATEMENT NO. 1.8**  
**AVERAGE DAILY EMPLOYMENT, EXPLOSIVES AND MACHINERY USED IN NON-COAL MINES DURING THE YEAR**      **2011: DGMS FIELD OFFICEWISE**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
			B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
<b>1. KODERMA</b>											
Oil	3	--	--	--	91	91	--	--	1765	31707	95429
Limestone	3	--	--	116	50	166	205604	3614	915	3655144674 (GS)	10956353
Mica	3	2	36	21	15	72	2041	--	40	603457	224663
Quartz	2	--	--	30	7	37	--	--	--	5011057	13777
Steatite	1	--	--	14	5	19	1910	--	480	67315	21609
Stone	7	--	--	102	52	154	23260	4986	692	2247019	261
<b>TOTAL : KODERMA</b>	<b>19</b>	<b>2</b>	<b>36</b>	<b>283</b>	<b>220</b>	<b>539</b>	<b>232815</b>	<b>8600</b>	<b>3892</b>	<b>--</b>	<b>11972572</b>
<b>2. GUWAHATI</b>											
Oil	28	--	--	--	10684	10684	--	--	351229	5843368	91895235
Dolomite	1	--	--	--	31	31	--	--	--	3571632700 (GS)	19342679
Limestone	17	--	--	622	151	773	641394	26207	1846	Nil	Nil
<b>TOTAL : GUWAHATI</b>	<b>46</b>	<b>--</b>	<b>--</b>	<b>622</b>	<b>10866</b>	<b>11488</b>	<b>641394</b>	<b>26207</b>	<b>353075</b>	<b>--</b>	<b>112414175</b>
<b>3. SITARAMPUR I</b>											
Stone	1	--	--	9	15	24	1750	--	50	9714	1066
<b>4. SITARAMPUR II</b>											
Oil	2	--	--	--	799	799	--	--	10201	8739847 (GS)	39074
Apatite & Rock Phospha	1	--	--	102	26	128	99	390	80	1350	980
China Clay,clay,white-	6	--	--	174	187	361	--	1390	70	22957	3784
										24289 (PR)	7440
Felspar	1	--	--	15	2	17	--	--	--	668	207
Fire-clay	1	--	--	32	2	34	--	--	--	2708 (LM)	1312
Limestone	1	--	--	58	--	58	7526	--	23	Nil	Nil
Stone	15	--	--	397	338	735	118710	6363	2425	1289215	90898
<b>TOTAL : SITARAMPUR II</b>	<b>27</b>	<b>--</b>	<b>--</b>	<b>778</b>	<b>1354</b>	<b>2132</b>	<b>126335</b>	<b>8143</b>	<b>12799</b>	<b>--</b>	<b>144344</b>
<b>5. SITARAMPUR III</b>											
China Clay,clay,white-	3	--	--	98	330	428	--	--	552	75165	7742
										52776 (PR)	9915
Sandstone	2	--	--	37	8	45	--	--	62	11254	2251
Stearite	1	--	--	22	1	23	930	--	40	Nil	Nil
Stone	81	--	--	959	1045	2004	179513	3346	3871	11741961	666259
										401575 (PR)	17083
<b>TOTAL : SITARAMPUR III</b>	<b>87</b>	<b>--</b>	<b>--</b>	<b>1116</b>	<b>1384</b>	<b>2500</b>	<b>180443</b>	<b>3346</b>	<b>4525</b>	<b>--</b>	<b>703250</b>

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	RETURNS	B/G MINES	B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
<b>6. AHMEDABAD</b>											
Oil	26	--	--	--	6161	6161	--	--	129342	4279680 896079985 (GS)	114574150 2682199
Bauxite	27	--	--	678	33	711	56859	3248	457	1318366 129187 (PR)	747521 92514
China Clay,clay,white-	15	--	--	241	3	244	--	943	38	92857 6030 (FN)	34251 6332
Fire-clay	2	--	--	36	--	36	--	--	--	7550	755
Limestone	34	--	--	1158	370	1528	1346745	53008	337	17732771 27450 (PR)	1657998 1799
Marble	Employment, Explosives and Machinery with Limestone						555586			439826	
Stone	1	--	--	28	29	57	11770	--	250	101719	10172
<b>TOTAL : AHMEDABAD</b>	<b>105</b>	<b>--</b>	<b>--</b>	<b>2141</b>	<b>6596</b>	<b>8737</b>	<b>1415374</b>	<b>57199</b>	<b>130424</b>	<b>--</b>	<b>120247517</b>
<b>7. SURAT</b>											
Oil	4	--	--	--	5872	5872	--	--	101785	2045645 2366318330 (GS)	31090337 10522516
Apatite & Rock Phosphorus	1	--	--	167	2	169	11675	--	--	70656	77624
China Clay,clay,white-	5	--	--	90	--	90	--	--	--	82320	9435
Fluorite	1	--	--	57	6	63	39763	2759	--	69016	41212
Manganese	1	--	--	9	14	23	--	--	--	228207	622953
Ochre	1	--	--	16	--	16	--	--	--	592	59
Stone	1	--	--	20	78	98	48179	1474	390	55788	7197
<b>TOTAL : SURAT</b>	<b>14</b>	<b>--</b>	<b>--</b>	<b>359</b>	<b>5972</b>	<b>6331</b>	<b>99617</b>	<b>4233</b>	<b>102175</b>	<b>--</b>	<b>42371332</b>
<b>8. UDAIPUR</b>											
Oil	2	--	--	--	425	425	--	--	9000	328556 13248000 (GS)	6550957 67250
Apatite & Rock Phosphorus	4	--	--	940	451	1391	3905833	16462	2207	1994950	6358239
Barytes	1	--	--	11	6	17	555	250	--	5820	2619
Calcite	2	--	--	346	117	463	62129	1078	198	143946	74171
China Clay,clay,white-	6	--	--	48	23	71	--	--	100	226093 4435 (FN) 5534 (PR)	75058 7848 9131
Dolomite	Employment, Explosives and Machinery with Wollastonite and Steatite									89924	12403
Felspar	Employment, Explosives and Machinery with Wollastonite and Steatite									229	46
Fluorite	2	--	--	8	--	8	180	--	--	386	1024
Galena & Sphalerite	9	6	1306	--	925	2231	1655715	11434	46430	7375611	7702299
Gypsum	1	--	--	3	1	4	--	--	--	43746	17936
Iron	Employment, Explosives and Machinery with Wollastonite and Steatite									47620 (LM) 181932 (PR)	36005 185365
Limestone	19	--	--	902	419	1321	5713969	121130	28226	40470367	4867512
Manganese	1	--	--	195	71	266	--	--	--	84047	50429

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF MINES	B/G	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.				
	2	3	4	5	6	7	8	9	10	11	12				
1	2	3	4	5	6	7	8	9	10	11	12				
Marble	12	--	--	1348	330	1678	51721	33535	16761	3014750	2674796				
Silica				Employment, Explosives and Machinery with Wollastonite and Steatite											
Steatite	33	4	305	1162	366	1833	788930	13608	2627	392780	428951				
Stone	2	--	--	50	23	73	1808	--	260	149225	18489				
Wollastonite	3	--	--	746	227	973	181968	7067	348	221195	172194				
TOTAL : UDAIPUR	97	10	1611	5759	3384	10754	12362808	204564	106157	--	29318342				
9. AJMER															
Oil	7	--	--	--	910	910	--	--	50912	3810290	11467923				
										278317281	(GS) 582512				
Calcite	1	--	--	297	98	395	61384	1128	148	93695	58317				
China Clay, clay, white-	17	--	--	279	99	378	888	4406	8	637949	274844				
Copper	2	2	721	--	628	1349	731682	270	24554	1016651	1267012				
Felspar				Employment, Explosives and Machinery with Fire-clay and Quartz											
Fire-clay	11	--	--	152	12	164	--	--	--	588901	63315				
Galena & Sphalerite	2	--	--	708	1016	1724	385874	18275	93155	6121861	6264629				
Gypsum	25	--	--	130	53	183	--	24221	1200	16081391	8891352				
Iron	2	--	--	177	114	291	90210	12350	895	485738	146693				
Limestone	23	--	--	1229	300	1529	4788859	61565	6631	18551429	1469803				
Marble	5	--	--	103	42	145	1782	150	55	110279	83293				
Mica	1	--	--	104	--	104	--	--	--	13016170	36545				
Quartz	3	--	--	77	17	94	5365	--	--	12333	2457				
										527	(PR) 37				
Sandstone	1	--	--	164	27	191	36590	4251	130	55743	70000				
Selenite	3	--	--	29	8	37	--	160	16	11005	13921				
Silica	5	--	--	128	294	422	33884	2528	875	106240	17826				
Steatite	14	--	--	592	72	664	227001	16219	2617	391032	159503				
Stone	3	--	--	115	100	215	26400	550	--	34815	(LM) 4454				
										252519	53961				
TOTAL : AJMER	125	2	721	4284	3790	8795	6389919	146073	181196	--	31324740				
10. GWALIOR															
Apatite & Rock Phosphorus	1	--	--	39	3	42	4775	--	--	11004	21556				
Bauxite	5	--	--	246	21	267	2312	--	--	2029	81				
										16597	(PR) 4171				
Granite	3	--	--	267	107	374	9426	9038	360	7606	85460				
Laterite	1	--	--	112	21	133	152575	6680	1062	1720177	276782				
Limestone	49	--	--	5807	469	6276	957352	58092	13953	12348827	3537099				
										92307	(PR) 5201				
Steatite	6	--	--	395	199	594	17837	50	--	61712	44870				
Stone				Employment, Explosives and Machinery with Limestone											
										9234	2382				

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES		H.E.M.M.	ELECTRICAL	OUTPUT *	VALUE
	SUBMITTING	B/G	MINES	B/G	O/C	A/G	TOTAL	USED (Kg)	H.P. USED	H.P. USED	IN TONNES
1	2	3	4	5	6	7	8	9	10	11	12
TOTAL : GWALIOR	65	--	--	6866	820	7686	1144277	73860	15375	--	3977603
<b>11. GHAZIABAD</b>											
Apatite & Rock Phospha	3	2	67	--	229	296	580	--	2317	Nil	Nil
Barytes	1	1	16	--	16	16	103	--	--	588	882
China Clay, clay, white-	2	--	--	50	16	66	--	--	--	86592	4661
Gold	1	1	7	--	15	22	45	--	3	Nil	Nil
Granite	1	--	--	9	4	13	--	558	--	42281	398983
Gypsum	2	--	--	79	5	84	3732	--	--	34166	28600
Limestone	34	--	--	1043	177	1220	1967836	56740	3907	15103083	2133015
Magnesite	1	--	--	131	50	181	32620	770	255	120231	98800
Salt	1	--	--	11	--	11	92	--	--	64	392
Sandstone	1	--	--	16	--	16	--	400	--	226986	8371
Silica	15	--	--	1522	407	1929	501772	1607	1003	9417552	1628433
Slate	2	--	--	167	12	179	--	1071	20	150164	142392
Steatite	31	--	--	1277	143	1420	--	--	--	3094790	1615066
Stone	22	--	--	2097	206	2303	1218780	19976	1620	11190372	805065
										6639167 (PR)	464322
TOTAL : GHAZIABAD	117	4	90	6402	1264	7756	3725560	81122	9125	--	7386137
<b>12. VARANASI</b>											
Dolomite				Employment, Explosives and Machinery with Steatite						15000	4991
Limestone	3	--	--	126	25	151	819389	15888	125	4879113	682609
Sandstone	1	--	--	36	2	38	19443	1632	--	404715	96753
Steatite	3	--	--	131	8	139	39467	770	203	112006	86927
										42979 (PR)	26809
TOTAL : VARANASI	7	--	--	293	35	328	878299	18290	328	--	910848
<b>13. GOA</b>											
Bauxite	16	--	--	639	44	683	135262	7042	949	2471329	491696
Dolomite	2	--	--	37	10	47	247	--	--	28840	12067
Granite	6	--	--	631	115	746	50504	5435	--	65152	2061580
Iron	93	--	--	5406	2386	7792	731495	412112	47228	31892002	32680212
										10053617 (FN)	2973412
										3226529 (LM)	3494742
										5155882 (PR)	7550789
Laterite	1	--	--	65	9	74	--	--	284	107815	20754
Limestone	7	--	--	86	24	110	18441	2089	100	220953	32552

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF MINES SUBMITTING	NO.OF MINES B/G	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	RETURNS	B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	12
Manganese	14	--	--	462	86	548	40	11290	1200	1845112 247612 (FN) 66061 (LM) 43367 (PR)
Silica	8	--	--	197	176	373	894	--	846	216590 82635 (PR)
Stone	18	--	--	578	98	676	371514	20814	1526	1302146
<b>TOTAL : GOA</b>	<b>165</b>	<b>--</b>	<b>--</b>	<b>8101</b>	<b>2948</b>	<b>11049</b>	<b>1308397</b>	<b>458782</b>	<b>52133</b>	<b>--</b>
<b>14. HYDERABAD I</b>										<b>51840904</b>
Oil	5	--	--	--	1324	1324	--	--	53011	2017529 4668703230 (GS)
Apatite & Rock Phospha	1	1	27	--	12	39	2158	--	60	3765
Barytes	1	--	--	29	3	32	100	--	--	5325
China Clay, clay, white-	5	--	--	50	4	54	--	--	12	109020 36910 (PR) 34
Dolomite	1	--	--	62	145	207	226600	5688	1942	543320 (PR)
Felspar	3	--	--	83	9	92	42883	--	150	461826
Fire-clay	2	--	--	28	--	28	--	--	--	3430 23820 (PR) 40613
Garnet	2	--	--	38	38	76	--	--	--	156329
Granite	11	--	--	426	54	480	423349	1385	88	28703 8511 (PR) 14344
Limestone	9	--	--	345	223	568	2179264	40542	6288	9822005
Manganese	26	--	--	1109	90	1199	23116	4423	919	404792 2529 (PR) 12643
Mica	21	16	236	74	137	447	27358	220	2598	6332444 34600 (LM) 104
Quartz	5	--	--	88	32	120	4407	--	10	29684 4940 (PR) 933
Sandstone	1	--	--	102	350	452	--	--	7993	1388364
Silica	5	--	--	75	--	75	--	--	--	474762
Stone	1	--	--	48	2	50	--	--	--	6301
Vermiculite	1	--	--	16	4	20	--	--	--	6353
<b>TOTAL : HYDERABAD I</b>	<b>100</b>	<b>17</b>	<b>263</b>	<b>2573</b>	<b>2427</b>	<b>5263</b>	<b>2929235</b>	<b>52258</b>	<b>73071</b>	<b>--</b>
<b>15. HYDERABAD II</b>										<b>67716091</b>
Felspar	2	--	--	41	3	44	4039	--	--	118508
Galena & Sphalerite	1	1	10	--	30	40	--	--	215	1079
Granite	10	--	--	231	61	292	13399	1543	143	4683
Limestone	49	--	--	1512	283	1795	8853377	111460	18358	52707972
Quartz	6	--	--	153	10	163	8170	947	10	158379
Stone	1	--	--	26	2	28	--	--	--	Nil
<b>TOTAL : HYDERABAD II</b>	<b>72</b>	<b>1</b>	<b>10</b>	<b>2040</b>	<b>394</b>	<b>2444</b>	<b>8882975</b>	<b>113950</b>	<b>18726</b>	<b>--</b>
										<b>9594004</b>

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	RETURNS	B/G MINES	B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
<b>16. NELLORE SUB-</b>											
Asbestos	4	3	63	60	16	139	8639	--	598	15703 117 (PR)	122457 516
Barytes	2	1	9	316	205	530	3255391	32916	4193	23826 1992735 (LM)	72740 3305289
China Clay,clay,white-	2	--	--	73	8	81	--	--	--	93239	9966
Dolomite	1	--	--	7	--	7	--	--	--	490	63
Granite	71	--	--	3233	1417	4650	747408	84878	14550	840644 55581 (PR)	8130221 514175
Iron	1	--	--	14	--	14	--	--	--	75000 9029 (FN) 46130 (LM)	82223 6790 30250
Limestone	6	--	--	143	68	211	577623	19969	545	8369369	116525 1214578
<b>TOTAL : NELLORE SUB-</b>	<b>87</b>	<b>4</b>	<b>72</b>	<b>3846</b>	<b>1714</b>	<b>5632</b>	<b>4589061</b>	<b>137763</b>	<b>19886</b>	<b>--</b>	<b>13605792</b>
<b>17. BHUBANESWAR</b>											
Bauxite	2	--	--	362	351	713	796433	50757	6668	5058299	2379038
Chromite	19	3	590	3403	3404	7397	1097054	133275	13158	3423300 171212 (FN) 133223 (LM) 324256 (PR)	12536507 241609 640269 614349
Fire-clay	7	--	--	147	27	174	959	795	10	69904	14921
Garnet				Employment, Explosives and Machinery with Sillimanite						20474 (PR)	78760
Granite	1	--	--	26	4	30	496	1290	235	6002	31361
Graphite	9	--	--	212	11	223	--	200	30	24353	13387
Iron	15	--	--	1855	1226	3081	277364	27148	21443	9671904 5185722 (FN) 2252059 (LM) 1455 (PR)	9020043 4514887 2702304 5093
Limestone	6	--	--	516	70	586	563444	20682	3075	2516608	812927
Manganese	4	--	--	217	29	246	150	--	--	14662	22253
Quartz	4	--	--	84	2	86	1200	--	--	12974 1454 (PR)	2673 144
Sillimanite	1	--	--	115	856	971	--	670	--	238093 (PR)	2797633
Stone	1	--	--	10	5	15	185	--	--	24106	10788
<b>TOTAL : BHUBANESWAR</b>	<b>69</b>	<b>3</b>	<b>590</b>	<b>6947</b>	<b>5985</b>	<b>13522</b>	<b>2737285</b>	<b>234817</b>	<b>44619</b>	<b>--</b>	<b>36438944</b>
<b>18. CHAIBASA</b>											
Bauxite	1	--	--	2	2	4	--	--	--	8217	3311
China Clay,clay,white-	7	--	--	107	156	263	--	139	237	70349 23503 (PR)	27333 19326
Chromite	4	3	703	5	560	1268	155292	5742	4253	107078	273005

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	RETURNS	B/G MINES	B/G	O/C	A/G					
1	2	3	4	5	6	7	8	9	10	12
Copper	2	2	1104	--	429	1533	237170	--	10227	410481 451246
Dolomite	3	--	--	184	226	410	184547	4942	998	1463865 704149
Fire-clay	1	--	--	20	--	20	--	--	--	6360 1049
Gold	1	1	36	--	16	52	8700	--	69	5052 22367
Graphite	1	--	--	17	--	17	--	--	--	2645 714
Iron	109	--	--	12840	15096	27936	7934133	327913	169279	69251746 47510399
										20000869 (FN) 13192922
										16653518 (LM) 20733966
										6313404 (PR) 6435467
Kyanite	1	--	--	31	4	35	181	--	--	3491 3998
Limestone	19	--	--	2140	954	3094	1297457	33718	7850	6036346 1318667
Magnesite	1	--	--	47	10	57	29	--	--	18551 12986
Manganese	41	--	--	2603	1709	4312	821635	30609	251	785789 1760481
										332085 (PR) 222905
Quartz	4	1	18	67	18	103	8050	45	69	15613 40442
Steatite	2	--	--	25	12	37	2617	195	3	11787 177
Stone	1	--	--	27	--	27	6703	500	--	116946 (PR) 39096
<b>TOTAL : CHAIBASA</b>	<b>198</b>	<b>7</b>	<b>1861</b>	<b>18115</b>	<b>19192</b>	<b>39168</b>	<b>10656514</b>	<b>403803</b>	<b>193236</b>	<b>--</b> 92774007
<b>19. RAIGARH</b>										
Bauxite	4	--	--	1201	98	1299	42900	9097	--	975970 475773
Limestone	2	--	--	116	4	120	345788	9370	608	2160971 337171
Quartz	2	--	--	125	7	132	7066	--	--	29912 4677
<b>TOTAL : RAIGARH</b>	<b>8</b>	<b>--</b>	<b>--</b>	<b>1442</b>	<b>109</b>	<b>1551</b>	<b>395754</b>	<b>18467</b>	<b>608</b>	<b>--</b> 817621
<b>20. RANCHI</b>										
Bauxite	8	--	--	342	219	561	273900	5770	397	817968 294218
Dolomite	1	--	--	254	47	301	70025	410	--	238257 168067
Graphite	1	--	--	47	--	47	--	--	15	14731 8360
Limestone	5	--	--	251	322	573	33846	17730	1158	128430 27902
										38767 (PR) 60586
Mica	1	1	15	--	4	19	246	--	20	19354 71
Stone	1	--	--	15	1	16	493	--	--	1080 54
<b>TOTAL : RANCHI</b>	<b>17</b>	<b>1</b>	<b>15</b>	<b>909</b>	<b>593</b>	<b>1517</b>	<b>378510</b>	<b>23910</b>	<b>1590</b>	<b>--</b> 559259
<b>21. RAMGARH SUB-</b>										
Oil	1	--	--	--	17	17	--	--	--	Nil Nil
Bauxite	14	--	--	969	88	1057	203378	9194	28	1118295 369803
Limestone	4	--	--	36	45	81	3528	210	--	80284 23664
Mica	3	--	--	--	21	21	--	--	--	Nil Nil
Stone	1	--	--	8	1	9	--	--	15	11102 700
<b>TOTAL : RAMGARH SUB-</b>	<b>23</b>	<b>--</b>	<b>--</b>	<b>1013</b>	<b>172</b>	<b>1185</b>	<b>206906</b>	<b>9404</b>	<b>43</b>	<b>--</b> 394167

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF MINES B/G	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	2	3	4	5	6						
1	2	3	4	5	6	7	8	9	10	11	12
22. BANGALURU											
Bauxite	3	--	--	48	23	71	2054	125	--	334845	80867
China Clay,clay,white-	14	--	--	250	407	657	--	37	408	670613	89692
										4855 (FN)	12626
										35806 (PR)	9967
Chromite	4	1	66	105	136	307	1363	779	365	9732	21991
Dolomite										3510	2476
Felspar	1	--	--	10	7	17	--	--	--	265	56
										2460 (PR)	5424
Granite	41	--	--	944	186	1130	38570	8156	788	363008	816320
										74241 (PR)	237835
Iron	23	--	--	1301	164	1465	28816	37459	2929	7373626	3777181
										1013637 (FN)	1193561
										396547 (LM)	546741
										152948 (PR)	174830
Laterite	2	--	--	21	6	27	7050	--	2	47463	8257
Limestone	17	--	--	527	343	870	1940509	36678	11154	6904521	1036792
										598661 (PR)	59866
Magnesite	13	--	--	2020	84	2104	332809	11774	804	487707	863955
Manganese	8	--	--	155	29	184	1225	1540	109	75046 (PR)	21137
Quartz	1	--	--	33	--	33	568	--	--	274291	175707
Sillimanite	1	--	--	230	836	1066	--	2862	5598	3570 (PR)	491
Dunite	1	--	--	3	--	3	--	--	--	1749	3856
										295007	1186472
										36166	8326
TOTAL : BANGALURU	129	1	66	5647	2221	7934	2352964	99410	22157	--	10334427
23. BELLARY											
China Clay,clay,white-	1	--	--	20	--	20	955	--	--	19533	878
Dolomite	10	--	--	328	18	346	8785	--	199	909416	136372
										997 (PR)	249
Gold	3	3	1542	--	1493	3035	453877	300	5936	691948	3114848
Granite	9	--	--	249	96	345	18266	7904	1046	54339	855057
Iron	78	--	--	4497	1742	6239	2417838	195080	20695	12458917	9193416
										9621245 (FN)	15275074
										5304507 (LM)	12097429
										817110 (PR)	1082609
Limestone	37	--	--	610	241	851	1604128	41620	9884	14998644	1628405
										718525 (PR)	55855
Manganese	6	--	--	1151	884	2035	76426	--	1258	9266	7597
										12000 (LM)	2640
										142012 (PR)	318125
Steatite	10	3	26	114	44	184	8130	373	416	79270	22746
										389 (PR)	545
TOTAL : BELLARY	154	6	1568	6969	4518	13055	4588405	245277	39434	--	43791843

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
	RETURNS	B/G MINES	B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
<b>24. CHENNAI</b>											
Oil	5	--	--	--	858	858	--	--	4724	592438 2449812000 (GS)	19306577 14702474
Felspar			Employment, Explosives and Machinery with Quartz								
Fire-clay	1	--	--	43	--	43	--	--	--	31689	4376
Garnet	5	--	--	1102	20	1122	--	--	--	702102 12309 (PR)	649722 61548
Granite	67	--	--	2046	292	2338	644463	22773	1872	226032 8933 (PR)	2039948 48939
Graphite	1	--	--	36	3	39	80861	--	--	51069	57573
Limestone	49	--	--	1360	172	1532	4851646	75353	9462	22853600	3801721
Quartz	4	--	--	174	2	176	3964	--	--	7430	2450
Silica	3	--	--	38	9	47	--	--	--	2215	661
Sillimanite	2	--	--	1110	391	1501	--	--	3277	138775 35793 (PR)	43714 996342
Stone	9	--	--	424	94	518	151184	3943	80	1522964	89073
Vermiculite	1	--	--	18	5	23	--	--	--	1706	2777
<b>TOTAL : CHENNAI</b>	<b>148</b>	<b>--</b>	<b>--</b>	<b>6363</b>	<b>1848</b>	<b>8211</b>	<b>5732118</b>	<b>102069</b>	<b>19420</b>	<b>--</b>	<b>41807903</b>
<b>25. BILASPUR</b>											
Bauxite	3	--	--	610	40	650	420895	4818	--	780200 113515 (PR)	504009 13668
Dolomite	9	--	--	658	658	1316	1155525	14065	4119	2817113	884901
Iron	12	--	--	2446	3025	5471	6447588	137952	38986	6606847 14164222 (FN)	2882918 33367111
										7972515 (LM) 4561531 (PR)	24126889 2721227
Limestone	14	--	--	764	188	952	4209889	76750	13832	26209278 1817837 (PR)	2836425 292799
<b>TOTAL : BILASPUR</b>	<b>38</b>	<b>--</b>	<b>--</b>	<b>4478</b>	<b>3911</b>	<b>8389</b>	<b>12233897</b>	<b>233585</b>	<b>56937</b>	<b>--</b>	<b>67629947</b>
<b>26. JABALPUR</b>											
Oil	2	--	--	--	206	206	--	--	798	357854083 (GS)	1431416
Bauxite	11	--	--	708	35	743	18587	1231	--	552362	169640
Diamond	1	--	--	31	68	99	70475	4822	2188	12281	131314
Dolomite	2	--	--	43	5	48	3743	--	95	16500	52573
Fire-clay	3	--	--	58	4	62	--	--	--	35318	2029
Iron	5	--	--	74	--	74	729	838	--	34142 553100 (FN)	17071 52577
										47200 (LM) 209167 (PR)	4370 42879
Laterite	1	--	--	40	1	41	--	--	--	23460	714
Limestone	33	--	--	2504	976	3480	6893511	100056	19473	32696625	4859723
Marble	3	--	--	76	33	109	9239	3835	1696	40469	9123
Ochre	1	1	14	--	5	19	--	--	--	1440	119
Stone			Employment, Explosives and Machinery with Iron								

**STATEMENT NO. 1.8 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	RETURNS	B/G MINES	B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
TOTAL : JABALPUR	62	1	14	3534	1333	4881	6996284	110782	24250	--	6781854
27. NAGPUR I											
Copper	1	--	--	250	146	396	3453639	38380	1873	2227919	2041086
Dolomite	3	--	--	262	13	275	2383	--	100	21154	6977
Iron	1	--	--	37	12	49	--	--	--	21034 (FN) 4598 (LM)	18314 6732
Kyanite	5	--	--	82	22	104	35	--	--	9148	2839
Manganese	28	11	2866	2017	2114	6997	571697	31796	17941	1403720 184654 (PR)	7498805 1572084
Quartz			Employment, Explosives and Machinery with Dolomite							217	77
Sillimanite	4	--	--	316	35	351	2600	3080	1695	6929 1588 (LM) 48386 (PR)	2134 6882 358072
Steatite			Employment, Explosives and Machinery with Dolomite and Sillimanite							681	218
Stone	1	--	--	21	35	56	1021	--	30	16578	1409
TOTAL : NAGPUR I	43	11	2866	2985	2377	8228	4031375	73256	21639	--	11515629
28. PARASIA SUB-											
Dolomite			Employment, Explosives and Machinery with Limestone							781753	217280
Limestone	3	--	--	111	96	207	579029	8418	1528	875972	462196
TOTAL : PARASIA SUB-	3	--	--	111	96	207	579029	8418	1528	--	679476
29. NAGPUR II											
Dolomite	1	--	--	9	2	11	875	--	82	30008	8612
Fluorite	1	--	--	47	5	52	418	--	--	2940	587
Iron	1	--	--	179	5	184	17151	390	--	250609	56387
Limestone	12	--	--	445	124	569	1900684	41256	6158	10591221	1386532
TOTAL : NAGPUR II	15	--	--	680	136	816	1919128	41646	6240	--	1452118
TOTAL : ALL INDIA	2041	70	9783	104665	85674	200122	97716428	2999234	1514638	--	818505911

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

**STATEMENT NO. 1.9**  
**AVERAGE DAILY EMPLOYMENT, EXPLOSIVES AND MACHINERY USED IN NON-COAL MINES DURING THE YEAR**

2011: OWNERWISE

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
			B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
<b>1. ANDHRA PRADESH MINERAL DEV. CORPN. LTD.</b>											
Asbestos	1	--	--	60	--	60	--	--	--	13649	121186
Barytes	1	--	--	316	187	503	3254964	32916	4148	22489	72272
Granite	1	--	--	14	1	15	--	--	--	386	3583
Limestone	1	--	--	62	8	70	152927	3060	--	3856744	466550
OWNER TOTAL :	4	--	--	452	196	648	3407891	35976	4148	--	3968880
<b>2. ASSOCIATED CEMENT COMPANIES LTD.</b>											
Limestone	17	--	--	785	302	1087	3058923	71583	18552	5143195	934061
<b>3. ASSOCIATED SOAPSTONE DIST. CO. PVT. LTD.</b>											
Steatite	11	--	--	537	101	638	642361	7058	1617	14554	8058
<b>4. BHARAT ALUMINIUM CO. LTD.</b>											
Bauxite	2	--	--	399	31	430	360721	4778	--	876997	562184
<b>5. BHILAI STEEL PLANT {SAIL}</b>											
Dolomite	1	--	--	78	247	325	385980	7455	1568	861783	264527
Iron	6	--	--	1202	1611	2813	1980813	62282	24648	53413	8693
OWNER TOTAL :	7	--	--	1280	1858	3138	2366793	69737	26216	--	273219
<b>6. BIRLA CORPORATION LTD. (BIRLA CEMENT WORKS)</b>											
Limestone	2	--	--	137	237	374	1019171	25196	14345	6486572	809731
<b>7. THE BISRA STONE LIME CO. LTD.</b>											
Limestone	2	--	--	1304	571	1875	226860	--	5009	729472	166320
<b>8. BURN STANDARD CO. LTD.</b>											
Magnesite	3	--	--	1344	6	1350	--	--	100	231095	416116
<b>9. CAIRN ENERGY INDIA PVT.LTD.</b>											
Oil	5	--	--	--	1861	1861	--	--	49060	5462993 1135124672 (GS)	47257859 5552100
<b>10. CANORO RESOURCES LTD</b>											
Oil	1	--	--	--	--	34	34	--	--	86 14735 50827000 (GS)	281228 119952

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF MINES B/G	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
11. CEMENT CORPN. OF INDIA LTD.											
Limestone	4	--	--	80	74	154	174695	13406	1022	Nil	Nil
12. CHOWGULE & CO. (P) LTD.											
Iron	8	--	--	420	682	1102	88043	32875	8741	811864 773360 (FN) 133452 (LM) 1065	148713 73083 22420 1174
Manganese	1	--	--	20	--	20	--	--	--		
OWNER TOTAL :	9	--	--	440	682	1122	88043	32875	8741	--	245390
13. D. B. BANDODKAR & SONS (P) LTD.											
Iron	1	--	--	28	5	33	--	860	--	229686 (PR)	116459
14. DALMIA (BHARAT) CEMENT LTD.											
Limestone	5	--	--	178	11	189	860233	12048	2360	2294700	213412
Magnesite	1	--	--	264	4	268	103647	5814	17	57217	89024
OWNER TOTAL :	6	--	--	442	15	457	963880	17862	2377	--	302436
15. DEMPO MINING CORPN. LTD.											
Iron	1	--	--	239	357	596	--	14441	2038	1415843 (FN) 183962 (LM)	466407 75002
16. ESEL MINING & INDUSTRIES LTD.											
Iron	4	--	--	959	344	1303	202597	29538	9595	119733 1050450 (PR)	93639 2517585
17. HINDUSTAN OIL EXPLORATION COMPANY LIMITED											
Oil	1	--	--	--	135	135	--	--	146	5 375940 (GS)	137 2170643
18. ALMORA MAGNISITE LTD.											
Magnesite	1	--	--	131	50	181	32620	770	255	120231	98800
Steatite	1	--	--	62	1	63	--	--	--	5300	19038
OWNER TOTAL :	2	--	--	193	51	244	32620	770	255	--	117838
19. HINDUSTAN OIL EXPLORATION COMPANY LIMITED											
20. FERRO ALLOYS CORPN. LTD.											
Chromite	3	2	337	247	288	872	106482	13320	5637	208388 71301 (PR)	1140883 121649
Manganese	1	--	--	18	--	18	--	--	--	2256	4174
Quartz	1	--	--	27	--	27	--	--	--	7918	1162
OWNER TOTAL :	5	2	337	292	288	917	106482	13320	5637	--	1267867

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF MINES B/G	AVERAGE DAILY EMPLOYMENT				EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G	TOTAL					
1	2	3	4	5	6	7	8	9	10	11	12
21. GEO ENPRO PETROLEUM LTD.											
Oil	1	--	--	--	--	191	191	--	--	487	96465 28103000 (GS) 2498066 84309
22. GREAT EASTERN ENERGY CORPORATION LTD.											
Oil		Employment, Explosives and Machinery with Oil								8739847 (GS)	39074
23. AMBUJA CEMENT											
Limestone	6	--	--	333	22	355	1401060	47683	196	10879496	1053141
24. GUJARAT MINERAL DEV. CORPN. LTD.											
Bauxite	13	--	--	325	13	338	40869	2137	270	770059	600829
Fluorite	1	--	--	57	6	63	39763	2759	--	69016	41212
Manganese	1	--	--	9	14	23	--	--	--	228207	622953
OWNER TOTAL :	15	--	--	391	33	424	80632	4896	270	--	1264995
25. GUJARAT STATE PETROLEUM CORPORATION LTD.											
Oil	2	--	--	--	20	20	--	--	35	4487450 296690222 (GS) 980820 1093882	
26. HARYANA MINERALS LTD.											
Slate	1	--	--	72	9	81	--	1071	20	139513	134711
Stone	14	--	--	1395	112	1507	1149705	18606	1620	9149328 6639167 (PR) 664332 464322	
OWNER TOTAL :	15	--	--	1467	121	1588	1149705	19677	1640	--	1263364
27. HINDUSTAN ALUMINIUM CORPN. LTD.											
Bauxite	5	--	--	469	48	517	121829	6112	28	591462	217900
28. HINDUSTAN COPPER LTD.											
Copper	5	4	1825	250	1203	3278	4422491	38650	36654	3655051	3759344
29. HINDUSTAN SALT LTD.											
Salt	1	--	--	11	--	11	92	--	--	64	392
30. HINDUSTAN ZINC LTD.											
Apatite & Rock Phosphorus	1	--	--	111	22	133	570936	6608	50	184160	392168
Galena & Sphalerite	12	7	1316	708	1971	3995	2041589	29709	139800	13498551	13967740
OWNER TOTAL :	13	7	1316	819	1993	4128	2612525	36317	139850	--	14359907

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT			TOTAL	EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.
			B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
31. HUTTI GOLD MINES CO. LTD. Gold	2	2	1485	--	1429	2914	438452	300	5407	663059	2944702
32. INDIA CEMENTS LTD. Limestone	17	--	--	337	89	426	1252806	31593	2703	1764273	607124
33. INDIAN ALUMINIUM CO. LTD. Bauxite	3	--	--	68	110	178	231866	3651	915	370607	61531
34. INDIAN RARE EARTHS LTD. Garnet Sillimanite	1 4	-- --	-- --	1002 1455	-- 2083	1002 3538	-- --	-- 3532	-- 8875	417427 138775	284038 43714
OWNER TOTAL :	5	--	--	2457	2083	4540	--	3532	8875	--	327752
35. INDUSTRIAL DEV. CORPN. OF ODISHA LTD. Chromite Limestone	1 3	-- --	-- --	372 289	234 30	606 319	1250 523733	4900 10997	243 95	161244 945626	273440 362265
OWNER TOTAL :	4	--	--	661	264	925	524983	15897	338	--	635705
36. J. K. CEMENT LTD. Limestone	5	--	--	204	25	229	639114	19657	625	2309727	1079147
37. JHARKHAND STATE MINERAL DEV.CORPN.LTD. Kyanite Limestone	1 3	-- --	-- --	31 110	4 68	35 178	181 8910	-- --	-- --	3491 32595 38767 (PR)	3998 6236 60586
Mica Stone	3 1	-- --	-- --	-- 6	21 45	21 51	-- --	-- --	-- --	Nil Nil Nil	Nil Nil Nil
OWNER TOTAL :	8	--	--	147	138	285	9091	--	--	--	70819
38. JAIPRAKASH ASSOCIATES LTD(JAYPEE CEMENT) Limestone	4	--	--	299	36	335	1663999	20724	1461	1249600	169146
39. KARANPURA DEV. CO. LTD. Limestone	1	--	--	17	--	17	2236	210	--	50359	13090
40. LARSEN & TOUBRO LTD. Oil Limestone Stone	2 3 2	-- -- --	-- -- --	-- 248 20	115 170 28	115 418 48	-- 1862536 505	-- 39421 --	124 11444 80	42627 Nil 79386	854719 43275 12861
OWNER TOTAL :	7	--	--	268	313	581	1863041	39421	11648	--	910855

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (in Kg)	H.E.M.M. H.P.	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	RETURNS	B/G MINES	B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
<b>41. M. P. STATE MINING CORPN. LTD.</b>											
Apatite & Rock Phospha	2	--	--	206	5	211	16450	--	--	11004	21556
Bauxite	4	--	--	319	21	340	12381	1231	--	36794	5231
Steatite	2	--	--	111	15	126	3537	50	--	14551	17332
OWNER TOTAL :	8	--	--	636	41	677	32368	1281	--	--	44120
<b>42. MADRAS CEMENT LTD. (RAMCO CEMENT)</b>											
Limestone	13	--	--	381	108	489	1910205	29557	4616	2982014	473809
<b>43. MAHARASTRA STATE MINING CORPN. LTD.</b>											
Dolomite	1	--	--	12	4	16	835	--	61	5927	3199
Fluorite	1	--	--	47	5	52	418	--	--	2940	587
Iron	1	--	--	37	12	49	--	--	--	21034 (FN) 4598 (LM)	18314 6732
Kyanite	2	--	--	32	3	35	35	--	--	2290	814
Limestone	1	--	--	18	--	18	48	--	--	1474	251
Silica	1	--	--	6	31	37	312	--	347	43041	9684
Sillimanite	2	--	--	33	18	51	--	--	29	414	412
Steatite	Employment, Explosives and Machinery with Sillimanite										507 (LM) 681 218
OWNER TOTAL :	9	--	--	185	73	258	1648	--	437	--	40607
<b>44. MALABAR CEMENT LTD.</b>											
Limestone	1	--	--	64	133	197	242310	3762	1690	598661 (PR)	59866
<b>45. MANGANESE ORE [INDIA] LTD.</b>											
Manganese	10	7	2660	1706	1839	6205	453698	17838	16805	378534 151089 (PR)	2700816 1444646
<b>46. MINERAL ORIENTAL LTD.</b>											
Marble	2	--	--	133	51	184	--	2725	1655	146298	137431
<b>47. MAWMLUH CHERRA CEMENTS LTD.</b>											
Limestone	1	--	--	22	11	33	15171	475	--	65563	13113
<b>48. MYSORE MINERALS LTD.</b>											
Bauxite	1	--	--	26	11	37	2010	125	--	66029	7715
China Clay, clay, white-	2	--	--	41	46	87	--	21	18	20487	8882
Chromite	4	1	66	105	136	307	1363	779	365	4704	15053
Dolomite	3	--	--	101	21	122	2478	--	--	88872	26309
Granite	14	--	--	357	75	432	4975	1862	573	30547	545049
Iron	3	--	--	224	17	241	51066	5946	--	Nil	Nil
Limestone	6	--	--	96	36	132	45124	929	5	167210	22400
Magnesite	2	--	--	64	23	87	2964	903	206	Nil	Nil
Manganese	1	--	--	20	--	20	--	--	--	1904	1466
OWNER TOTAL :	36	1	66	1034	365	1465	109980	10565	1167	--	626873

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING	NO.OF	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	RETURNS	B/G MINES	B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
49. NATIONAL ALUMINIUM CO.											
Bauxite	1	--	--	353	349	702	796433	46052	6668	5052969	2376916
50. NATIONAL MINERAL DEV. CORPN. LTD.											
Diamond	1	--	--	31	68	99	70475	4822	2188	12281	131314
Iron	5	--	--	1332	1862	3194	6523083	104942	27810	16521008 (FN)	40464169
Limestone	1	--	--	25	--	25	1	--	355	Nil	31876292
										714277 (PR)	55218
OWNER TOTAL :	7	--	--	1388	1930	3318	6593559	109764	30353	--	72526994
51. NORTH BENGAL DOLOMITE CO.											
Dolomite	1	--	--	--	31	31	--	--	--	Nil	Nil
52. OIL & NATURAL GAS CORPORATION LTD.											
Oil	47	--	--	--	17705	17705	--	--	559959	8947382	202565521
										13514738284 (GS)	48661569
53. OIL INDIA LTD.											
Oil	7	--	--	--	5444	5444	--	--	83688	4006038	57013132
										2621582000 (GS)	16946713
54. ORISSA MINERAL DEVELOPMENT CO. LTD.											
Iron	4	--	--	507	587	1094	7627	6300	2191	1204298	1065911
55. ORISSA MINING CORPN. LTD.											
Chromite	7	1	84	1569	855	2508	49337	24900	175	Nil	Nil
										11042 (PR)	6640
Fire-clay	1	--	--	20	--	20	--	--	--	6360	1049
Iron	9	--	--	1054	1119	2173	254468	38312	5208	1593246	3050041
Limestone	1	--	--	7	11	18	--	--	--	9435	708
Manganese	4	--	--	571	251	822	150	850	37	Nil	Nil
										12714 (PR)	10432
OWNER TOTAL :	22	1	84	3221	2236	5541	303955	64062	5420	--	3068871
56. PATELNAGAR MINERALS & INDUSTRIES PVT. LTD.											
China Clay,clay,white-	1	--	--	16	183	199	--	1390	--	77	22
Fire-clay				Employment, Explosives and Machinery with China Clay,clay,white-clay						6074 (PR)	5710
										7663	498
OWNER TOTAL :	1	--	--	16	183	199	--	1390	--	--	6229

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF MINES SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
	2	3	B/G	O/C	A/G	7	8	9	10	11	12
57. PYRITES PHOSPHATES & CHEMICALS LTD.											
Apatite & Rock Phospha	3	2	67	--	229	296	580	--	2317	Nil	Nil
58. RAJASTHAN STATE MINERAL DEV. CORPN. LTD.											
Apatite & Rock Phospha	2	--	--	54	10	64	4275	410	--	29915	6071
Limestone	2	--	--	135	110	245	246521	7243	1882	1097998	142207
OWNER TOTAL :	4	--	--	189	120	309	250796	7653	1882	--	148279
59.											
Limestone	1	--	--	48	24	72	543123	3782	840	705357	91696
60. RELIANCE INDUSSTRIES LIMITED											
Oil	3	--	--	--	243	243	--	--	1798	Nil	Nil
										357854083 (GS)	1431416
61. S. K. SARAWAGI & CO. PVT. LTD.											
Manganese	10	--	--	564	37	601	23116	864	555	106345	161867
62. S. N. SUNDERSON & CO.											
Limestone	2	--	--	35	3	38	--	--	40	13184	923
63. SANDUR MANGANESE & IRON ORE LTD.											
Iron	1	--	--	126	--	126	26885	1968	368	621569 (LM)	779041
64. SELAN EXPLORATION TECHNOLOGY LTD.											
Oil	3	--	--	--	25	25	--	--	--	33054	702266
										10353055 (GS)	31266
65. SESAME STERLITE LTD.											
Iron	6	--	--	834	108	942	289875	59782	9431	97600 (PR)	152176
66. SHANKARLAL GANGARAM THAKKAR											
China Clay, clay, white-	10	--	--	172	--	172	--	--	--	106157	11819
67. KUNDA R. GHARSE											
Iron	2	--	--	341	93	434	--	26567	4032	991561 (FN)	334739
										241048 (LM)	341480
Manganese	1	--	--	32	4	36	--	--	--	855	619
OWNER TOTAL :	3	--	--	373	97	470	--	26567	4032	--	676838

**STATEMENT NO. 1.9 (CONTD.)**

REGION / MINERAL	NO.OF SUBMITTING RETURNS	NO.OF B/G MINES	AVERAGE DAILY EMPLOYMENT			EXPLOSIVES USED (in Kg)	H.E.M.M. H.P. USED	ELECTRICAL H.P. USED	OUTPUT * IN TONNES	VALUE IN '000 RS.	
			B/G	O/C	A/G						
1	2	3	4	5	6	7	8	9	10	11	12
68. TAMIL NADU CEMENT CORPN. LTD. Limestone	3	--	--	81	22	103	250889	3013	304	686542	123795
69. TATA CHEMICALS LTD. Limestone	6	--	--	37	321	358	337370	3770	--	598540	1184304
70. TRAVANCORE CEMENT LTD. Limestone	1	--	--	57	--	57	--	--	101	8923734	3106928
71. U. P. STATE MINERAL DEV. CORPN. LTD. Bauxite	1	--	--	48	7	55	921	--	--	6420 (PR)	1520
72. WEST BENGAL MINERAL DEV. & TRADING CORPN. Apatite & Rock Phosphorus Fire-clay Stone	1	--	--	102	26	128	99	390	80	1350	980
	1	--	--	32	2	34	--	--	--	760	151
	1	--	--	61	84	145	23650	3829	1462	Nil	Nil
OWNER TOTAL :	3	--	--	195	112	307	23749	4219	1542	--	1131
73. WEST BENGAL PROJECTS LTD. China Clay, clay, white-	1	--	--	77	1	78	--	--	--	4951	1089
74. WOLKEM INDUSTRIES LTD. Calcite	2	--	--	346	117	463	62129	1078	198	125674	66406
TOTAL : ORGANISED SECTOR	568	26	7840	40534	57774	106148	53799527	1356189	1185390	--	519604072
TOTAL : UNORGANISED SECTOR	1473	44	1943	64131	27900	93974	43916901	1643045	329248	--	298901840
TOTAL : ALL OWNERS	2041	70	9783	104665	85674	200122	97716428	2999234	1514638	--	818505911

\* Output of all minerals are shown in tonnes except corundum, diamond, emerald, mica and garnet. Diamond and emerald are in carats and grams respectively. Corundum, mica and garnet are in kilograms. Output of Gas is given in '000 CuM.

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

**SECTION – II**

**MACHINERY**

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

Year	No. of Mines using HEMM	Electrical shovel		Diesel shovel		Dumper		Dozer		Loader		Tractor		Other		Total	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)
1984	220	96	32,663	349	78,318	1,355	310,921	314	85,150	157	25,695	104	4,881	166	26,114	2,541	563,750
1985	236	168	32,343	329	78,840	1,434	322,352	334	92,689	163	27,800	118	5,556	252	52,171	2,798	611,751
1986	274	161	30,015	358	85,817	1,590	386,148	355	98,059	189	35,340	138	6,339	305	61,166	3,096	702,884
1987	293	165	32,404	418	104,061	1,784	424,519	391	109,539	240	40,593	141	6,623	224	35,805	3,363	753,544
1988	255	164	32,735	364	91,665	1,748	412,219	336	98,218	234	41,577	116	5,331	338	44,592	3,300	726,337
1989	286	88	32,186	455	112,802	2,391	505,373	374	110,229	214	39,605	108	4,850	396	61,873	4,026	866,918
1990	300	80	28,199	474	116,391	2,263	482,969	359	101,662	205	37,793	108	5,447	581	61,319	4,070	833,780
1991	368	92	31,065	553	134,544	2,744	565,143	433	125,304	279	50,619	134	6,018	511	66,383	4,746	979,076
1992	397	99	34,149	566	140,675	3,067	621,173	425	128,986	393	63,343	144	6,512	495	66,059	5,189	1,060,897
1993	438	92	32,336	697	157,735	3,221	655,247	432	134,858	384	59,323	145	6,757	544	64,773	5,515	1,111,029
1994	479	103	32,054	720	167,153	3,416	714,497	428	134,685	424	65,807	166	7,925	579	63,286	5,836	1,185,407
1995	448	97	29,741	753	173,094	2,814	575,745	425	129,651	399	67,842	146	6,525	384	52,052	5,018	1,034,650
1996	457	68	25,456	841	199,241	3,409	721,196	448	137,723	446	73,975	150	8,557	217	31,681	5,579	1,197,829
1997	470	60	14,909	851	195,589	3,704	666,934	505	134,558	411	68,092	153	14,918	373	47,679	6,057	1,142,679
1998	534	44	16,602	939	209,905	4,286	718,731	505	137,138	476	81,167	137	7,853	263	34,778	6,702	1,215,459
1999	539	63	22,242	965	220,785	3,662	721,443	437	130,834	529	84,961	154	8,676	431	37,895	6,203	1,232,870
2000	588	76	21,245	1,057	243,953	4,050	849,609	456	140,070	583	99,652	127	7,280	358	42,487	6,768	1,415,037
2001	542	86	27,727	1,026	238,131	3,696	769,327	449	132,149	538	91,650	127	8,336	592	59,136	6,571	1,337,737
2002	577	95	30,794	1,107	247,275	3,928	780,702	496	132,744	559	89,645	109	6,314	577	63,855	6,871	1,351,329
2003	589	76	18,304	1,246	291,426	4,364	847,385	522	151,572	597	98,502	110	5,638	463	47,820	7,439	1,471,559
2004	613	68	16,810	1,313	301,366	5,174	971,812	573	159,621	670	108,327	108	7,068	517	64,820	8,502	1,644,411
2005	653	52	19,637	1,452	341,936	5,509	1,053,348	599	176,052	752	128,051	153	8,932	241	43,425	8,832	1,784,635
2006	591	58	26,833	1,577	355,012	5,543	956,079	673	180,693	740	129,002	126	9,931	785	113,845	9,426	1,789,531
2007	614	92	22,677	1,626	364,696	4,926	1,019,791	612	179,403	798	148,087	102	6,040	545	94,144	8,701	1,834,838
2008	705	67	14,344	1,885	415,686	6,514	1,238,077	645	170,986	881	143,205	86	4,985	848	122,335	10,926	2,109,638
2009	773	93	25,421	2,164	493,416	7,549	1,579,620	592	182,521	971	165,252	133	6,839	664	101,507	12,166	2,554,576
2010	812	88	20,782	2,258	511,401	8,370	1,684,690	620	186,712	1079	186,865	109	5,842	622	97,219	13,146	2,693,511
2011	883	71	17,733	2,369	549,562	9,104	1,7835,96	627	201,335	1197	214,198	108	5,644	1192	22,7116	14,668	2,999,234

STATEMENT NO. 2.2  
USAGE OF MACHINERY IN ABOVE GROUND IN METALLIFEROUS MINES DURING THE YEAR 2011 : 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.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	
<b>1. APATITE &amp; ROCK PHOSPHATE</b>													
	ANDHRA PRADESH	1	--	--	1	20	2	20	4	20	--	--	--
	RAJASTHAN	2	--	--	--	--	--	--	17	770	--	--	--
	UTTARANCHAL	2	--	--	2	75	6	250	3	53	4	1400	
	WEST BENGAL	1	--	--	--	--	--	--	3	80	--	--	--
<b>TOTAL : APATITE &amp; ROCK PHOSPHA</b>		6	--	--	3	95	8	270	27	923	4	1400	
<b>2. ASBESTOS</b>													
	ANDHRA PRADESH	3	--	--	7	150	4	90	4	58	1	68	
<b>3. BARYTES</b>													
	ANDHRA PRADESH	2	--	--	--	--	--	1	20	14	3830	2	308
<b>4. BAUXITE</b>													
	GUJARAT	7	--	--	--	--	--	--	5	37	--	--	--
	JHARKHAND	3	--	--	--	--	6	85	7	138	10	166	
	MAHARASHTRA	2	--	--	--	--	--	--	10	48	13	227	
	ORISSA	1	--	--	--	--	--	--	23	1320	4	920	
<b>TOTAL : BAUXITE</b>		13	--	--	--	--	6	85	45	1543	27	1313	
<b>5. CALCITE</b>													
	RAJASTHAN	2	--	--	--	--	--	--	--	12	66	25	210
<b>6. CHINA CLAY,CLAY,WHITE-CLAY</b>													
	ANDHRA PRADESH	1	--	--	--	--	--	--	2	12	--	--	--
	GUJARAT	4	--	--	--	--	--	--	9	88	7	50	
	JHARKHAND	9	--	--	--	--	--	--	25	400	52	354	
	KARNATAKA	1	--	--	--	--	--	--	3	13	1	5	
	KERALA	8	--	--	--	--	--	--	61	295	3	30	
	ORISSA	1	--	--	--	--	--	--	2	20	--	--	--
	RAJASTHAN	1	--	--	--	--	--	--	1	8	--	--	--
	TAMIL NADU	1	--	--	--	--	--	--	1	5	--	--	--
	WEST BENGAL	2	--	--	--	--	--	--	3	20	2	50	
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>		28	--	--	--	--	--	--	--	107	861	65	489

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>1. APATITE &amp; ROCK PHOSPHATE</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	7	60
RAJASTHAN	3	162	--	--	--	--	--	2	1275	22	2207
UTTARANCHAL	3	9	4	20	--	--	--	--	--	22	1807
WEST BENGAL	--	--	--	--	--	--	--	--	--	3	80
<b>TOTAL : APATITE &amp; ROCK PHOSPHATE</b>	<b>6</b>	<b>171</b>	<b>4</b>	<b>20</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>2</b>	<b>1275</b>	<b>54</b>	<b>4154</b>
<b>2. ASBESTOS</b>											
ANDHRA PRADESH	--	--	2	145	--	--	--	--	--	18	511
<b>3. BARYTES</b>											
ANDHRA PRADESH	1	10	--	--	--	--	--	--	--	18	4168
<b>4. BAUXITE</b>											
GUJARAT	2	150	3	270	--	--	--	--	--	10	457
JHARKHAND	2	6	--	--	--	--	--	4	30	29	425
MAHARASHTRA	10	600	--	--	--	--	--	6	74	39	949
ORISSA	1	200	3	100	--	--	--	9	4128	40	6668
<b>TOTAL : BAUXITE</b>	<b>15</b>	<b>956</b>	<b>6</b>	<b>370</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>19</b>	<b>4232</b>	<b>118</b>	<b>8499</b>
<b>5. CALCITE</b>											
RAJASTHAN	4	70	--	--	--	--	--	--	--	41	346
<b>6. CHINA CLAY,CLAY,WHITE-CLAY</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	--	--	2	12
GUJARAT	--	--	--	--	--	--	--	--	--	16	138
JHARKHAND	--	--	--	--	--	--	--	--	--	77	754
KARNATAKA	--	--	--	--	--	--	--	--	--	4	18
KERALA	7	50	--	--	--	--	--	2	15	73	390
ORISSA	--	--	--	--	--	--	--	1	15	3	35
RAJASTHAN	--	--	--	--	--	--	--	--	--	1	8
TAMIL NADU	--	--	--	--	--	--	--	--	--	1	5
WEST BENGAL	--	--	--	--	--	--	--	--	--	5	70
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>	<b>7</b>	<b>50</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>3</b>	<b>30</b>	<b>182</b>	<b>1430</b>

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO. OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13		
<b>7. CHROMITE</b>														
KARNATAKA		2	2	75	2	10	--	--	3	53	--	--		
ORISSA		15	7	825	11	389	3	220	67	4650	178	5569		
<b>TOTAL : CHROMITE</b>		<b>17</b>	<b>9</b>	<b>900</b>	<b>13</b>	<b>399</b>	<b>3</b>	<b>220</b>	<b>70</b>	<b>4703</b>	<b>178</b>	<b>5569</b>		
<b>8. COPPER</b>														
JHARKHAND		2	2	832	3	810	2	330	5	380	3	120		
MADHYA PRADESH		1	--	--	--	--	--	--	4	1130	--	--		
RAJASTHAN		2	2	5700	4	931	2	240	5	150	--	--		
<b>TOTAL : COPPER</b>		<b>5</b>	<b>4</b>	<b>6532</b>	<b>7</b>	<b>1741</b>	<b>4</b>	<b>570</b>	<b>14</b>	<b>1660</b>	<b>3</b>	<b>120</b>		
<b>9. DIAMOND</b>														
MADHYA PRADESH		1	--	--	--	--	--	--	3	268	57	1684		
<b>10. DOLOMITE</b>														
ANDHRA PRADESH		2	--	--	4	10	1	100	5	370	16	189		
CHHATTISGARH		8	--	--	--	--	--	--	30	872	32	1893		
MADHYA PRADESH		1	--	--	--	--	--	--	--	--	--	--		
MAHARASHTRA		3	--	--	--	--	--	--	5	100	7	82		
ORISSA		2	--	--	--	--	2	73	2	235	--	--		
<b>TOTAL : DOLOMITE</b>		<b>16</b>	<b>--</b>	<b>--</b>	<b>4</b>	<b>10</b>	<b>3</b>	<b>173</b>	<b>42</b>	<b>1577</b>	<b>55</b>	<b>2164</b>		
<b>11. FELSPAR</b>														
ANDHRA PRADESH		1	--	--	--	--	--	--	2	150	--	--		
<b>12. FIRE-CLAY</b>														
ORISSA		2	--	--	--	--	--	--	2	10	--	--		
<b>13. GALENA &amp; SPHALARITE</b>														
ANDHRA PRADESH		1	--	--	--	--	--	--	1	30	--	--		
RAJASTHAN		10	7	2660	8	2327	5	47	31	1768	1622	116919		
<b>TOTAL : GALENA &amp; SPHALARITE</b>		<b>11</b>	<b>7</b>	<b>2660</b>	<b>8</b>	<b>2327</b>	<b>5</b>	<b>47</b>	<b>32</b>	<b>1798</b>	<b>1622</b>	<b>116919</b>		
<b>14. GOLD</b>														
JHARKHAND		1	--	--	1	10	1	10	1	3	--	--		
KARNATAKA		3	5	340	9	5267	--	--	1	5	--	--		
<b>TOTAL : GOLD</b>		<b>4</b>	<b>5</b>	<b>340</b>	<b>10</b>	<b>5277</b>	<b>1</b>	<b>10</b>	<b>2</b>	<b>8</b>	<b>--</b>	<b>--</b>		

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>7. CHROMITE</b>											
KARNATAKA		4	6	--	--	--	--	1	125	12	269
ORISSA		33	211	10	1830	--	--	27	1620	336	15314
<b>TOTAL : CHROMITE</b>		<b>37</b>	<b>217</b>	<b>10</b>	<b>1830</b>	<b>--</b>	<b>--</b>	<b>28</b>	<b>1745</b>	<b>348</b>	<b>15583</b>
<b>8. COPPER</b>											
JHARKHAND		28	410	12	3870	--	--	--	--	55	6752
MADHYA PRADESH		47	743	--	--	--	--	--	--	51	1873
RAJASTHAN		21	397	14	9666	8	195	15	455	71	17734
<b>TOTAL : COPPER</b>		<b>96</b>	<b>1550</b>	<b>26</b>	<b>13536</b>	<b>8</b>	<b>195</b>	<b>15</b>	<b>455</b>	<b>177</b>	<b>26359</b>
<b>9. DIAMOND</b>											
MADHYA PRADESH		9	146	--	--	--	--	2	90	71	2188
<b>10. DOLOMITE</b>											
ANDHRA PRADESH		12	80	5	652	--	--	28	740	71	2141
CHHATTISHGARH		5	1311	--	--	--	--	1	43	68	4119
MADHYA PRADESH		--	--	--	--	--	--	1	95	1	95
MAHARASHTRA		--	--	--	--	--	--	--	--	12	182
ORISSA		6	40	--	--	--	--	18	650	28	998
<b>TOTAL : DOLOMITE</b>		<b>23</b>	<b>1431</b>	<b>5</b>	<b>652</b>	<b>--</b>	<b>--</b>	<b>48</b>	<b>1528</b>	<b>180</b>	<b>7535</b>
<b>11. FELSPAR</b>											
ANDHRA PRADESH		--	--	--	--	--	--	--	--	2	150
<b>12. FIRE-CLAY</b>											
ORISSA		--	--	--	--	--	--	--	--	2	10
<b>13. GALENA &amp; SPHALARITE</b>											
ANDHRA PRADESH		--	--	--	--	--	--	--	--	1	30
RAJASTHAN		33	334	25	7505	4	124	5	164	1740	131848
<b>TOTAL : GALENA &amp; SPHALARITE</b>		<b>33</b>	<b>334</b>	<b>25</b>	<b>7505</b>	<b>4</b>	<b>124</b>	<b>5</b>	<b>164</b>	<b>1741</b>	<b>131878</b>
<b>14. GOLD</b>											
JHARKHAND		1	1	--	--	--	--	--	--	4	24
KARNATAKA		4	104	--	--	--	--	--	--	19	5716
<b>TOTAL : GOLD</b>		<b>5</b>	<b>105</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>23</b>	<b>5740</b>

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO. OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13		
<b>15. GRANITE</b>														
	ANDHRA PRADESH	53	--	--	1	125	1	20	110	1826	29	4042		
	KARNATAKA	5	2	133	1	20	2	50	7	150	--	--		
	KERALA	5	--	--	--	--	6	34	13	355	18	813		
	ORISSA	1	--	--	--	--	--	--	2	60	--	--		
	TAMIL NADU	12	2	220	--	--	--	--	12	131	--	--		
	UTTAR PRADESH	2	--	--	--	--	--	--	--	--	--	--		
<b>TOTAL : GRANITE</b>		78	4	353	2	145	9	104	144	2522	47	4855		
<b>16. GRAPHITE</b>														
	JHARKHAND	1	--	--	--	--	--	--	3	15	--	--		
	ORISSA	3	--	--	--	--	--	--	5	30	--	--		
<b>TOTAL : GRAPHITE</b>		4	--	--	--	--	--	--	8	45	--	--		
<b>17. GYPSUM</b>														
	RAJASTHAN	2	--	--	--	--	--	--	--	--	--	--		
<b>18. IRON</b>														
	CHHATTISHGARH	7	--	--	15	780	--	--	85	12953	223	17717		
	GOA	42	--	--	--	--	--	--	118	12820	350	30849		
	JHARKHAND	9	--	--	--	--	--	--	72	11567	601	41099		
	KARNATAKA	28	7	1263	--	--	64	560	22	4229	165	16228		
	MAHARASHTRA	1	--	--	--	--	--	--	4	1180	--	--		
	ORISSA	45	2	66	37	185	--	--	253	10405	820	45170		
	RAJASTHAN	1	--	--	--	--	--	--	3	205	24	690		
<b>TOTAL : IRON</b>		133	9	1329	52	965	64	560	557	53359	2183	151753		
<b>19. LATERITE</b>														
	KARNATAKA	1	--	--	--	--	--	--	4	142	12	142		
	KERALA	1	--	--	--	--	--	--	1	2	--	--		
	RAJASTHAN	1	--	--	--	--	--	--	3	210	--	--		
<b>TOTAL : LATERITE</b>		3	--	--	--	--	--	--	8	354	12	142		

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>15. GRANITE</b>											
ANDHRA PRADESH		63	1014	13	2198	--	--	153	5403	370	14628
KARNATAKA		7	38	6	360	--	--	2	430	27	1181
KERALA		5	6	1	60	--	--	3	115	46	1383
ORISSA		--	--	--	--	--	--	3	175	5	235
TAMIL NADU		--	--	7	590	--	--	6	354	27	1295
UTTAR PRADESH		2	360	--	--	--	--	--	--	2	360
<b>TOTAL : GRANITE</b>		<b>77</b>	<b>1418</b>	<b>27</b>	<b>3208</b>	<b>--</b>	<b>--</b>	<b>167</b>	<b>6477</b>	<b>477</b>	<b>19082</b>
<b>16. GRAPHITE</b>											
JHARKHAND		--	--	--	--	--	--	--	--	3	15
ORISSA		--	--	--	--	--	--	--	--	5	30
<b>TOTAL : GRAPHITE</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>8</b>	<b>45</b>
<b>17. GYPSUM</b>											
RAJASTHAN		--	--	--	--	--	--	2	1200	2	1200
<b>18. IRON</b>											
CHHATTISGARH		111	2272	--	--	--	--	88	5264	522	38986
GOA		97	922	--	--	--	--	64	726	629	45317
JHARKHAND		189	2223	11	440	--	--	8	30	881	55359
KARNATAKA		24	100	2	230	--	--	24	1737	308	24347
MAHARASHTRA		1	8	--	--	--	--	--	--	5	1188
ORISSA		109	1056	26	3658	--	--	1199	74823	2446	135363
RAJASTHAN		--	--	--	--	--	--	--	--	27	895
<b>TOTAL : IRON</b>		<b>531</b>	<b>6581</b>	<b>39</b>	<b>4328</b>	<b>--</b>	<b>--</b>	<b>1383</b>	<b>82580</b>	<b>4818</b>	<b>301455</b>
<b>19. LATERITE</b>											
KARNATAKA		--	--	--	--	--	--	--	--	16	284
KERALA		--	--	--	--	--	--	--	--	1	2
RAJASTHAN		--	--	--	--	--	--	5	852	8	1062
<b>TOTAL : LATERITE</b>		<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>5</b>	<b>852</b>	<b>25</b>	<b>1348</b>

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO. OF MINES USING ELECT. POWER		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	
<b>20. LIMESTONE</b>													
ANDAMAN & NICOBAR IS		1	--	--	--	--	--	--	1	23	--	--	--
ANDHRA PRADESH		45	--	--	24	416	5	285	135	5477	68	3504	
ASSAM		1	--	--	--	--	--	--	--	--	--	--	--
BIHAR		2	--	--	--	--	--	--	7	915	--	--	--
CHHATTISHGARH		14	--	--	--	--	--	--	61	4966	1	1632	
GUJARAT		4	--	--	--	--	--	--	5	130	--	--	--
HIMACHAL PRADESH		5	--	--	--	--	1	37	11	504	3	2438	
JHARKHAND		4	--	--	1	60	1	120	31	1305	29	268	
JAMMU & KASHMIR		1	--	--	--	--	--	--	--	--	--	--	--
KARNATAKA		8	--	--	--	--	--	--	28	2078	21	12192	
KERALA		2	1	10	1	1	--	--	6	15	21	1672	
MEGHALAYA		2	--	--	--	--	--	--	2	20	--	--	--
MADHYA PRADESH		20	--	--	9	33	9	1222	75	4152	49	11237	
MAHARASHTRA		5	--	--	--	--	3	75	17	1488	22	4283	
ORISSA		12	--	--	--	--	--	--	32	625	22	3001	
RAJASTHAN		51	--	--	3	17	33	899	101	3247	178	10632	
TAMIL NADU		37	--	--	--	--	17	2280	91	4727	179	2683	
<b>TOTAL : LIMESTONE</b>		<b>214</b>	<b>1</b>	<b>10</b>	<b>38</b>	<b>527</b>	<b>69</b>	<b>4918</b>	<b>603</b>	<b>29672</b>	<b>593</b>	<b>53542</b>	
<b>21. MAGNESITE</b>													
KARNATAKA		2	--	--	--	--	--	--	4	81	9	273	
TAMIL NADU		5	--	--	--	--	--	--	6	140	--	--	--
UTTARANCHAL		1	--	--	--	--	--	--	--	--	8	255	
<b>TOTAL : MAGNESITE</b>		<b>8</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10</b>	<b>221</b>	<b>17</b>	<b>528</b>	
<b>22. MANGANESE</b>													
ANDHRA PRADESH		18	--	--	--	--	--	--	46	919	--	--	--
GOA		5	--	--	--	--	4	300	28	810	2	10	
KARNATAKA		4	--	--	--	--	--	--	27	316	10	96	
MADHYA PRADESH		13	6	940	9	520	4	180	60	2150	63	181	
MAHARASHTRA		6	2	350	8	510	4	180	15	1269	27	457	
ORISSA		6	--	--	--	--	3	3	11	220	2	20	
<b>TOTAL : MANGANESE</b>		<b>52</b>	<b>8</b>	<b>1290</b>	<b>17</b>	<b>1030</b>	<b>15</b>	<b>663</b>	<b>187</b>	<b>5684</b>	<b>104</b>	<b>764</b>	
<b>23. MARBLE</b>													
GUJARAT		4	--	--	--	--	--	--	69	197	63	2285	
MADHYA PRADESH		3	--	--	--	--	--	--	11	290	1	360	
RAJASTHAN		8	--	--	--	--	--	--	118	723	91	3468	
<b>TOTAL : MARBLE</b>		<b>15</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>198</b>	<b>1210</b>	<b>155</b>	<b>6113</b>	

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>20. LIMESTONE</b>											
ANDAMAN & NICOBAR IS	--	--	--	--	--	--	--	--	--	1	23
ANDHRA PRADESH	39	456	19	1032	--	--	179	13836	469	25006	
ASSAM	4	17	--	--	--	--	--	--	4	17	
BIHAR	--	--	--	--	--	--	--	--	7	915	
CHHATTISGARH	44	381	--	--	--	--	69	7461	175	14440	
GUJARAT	1	10	4	195	--	--	1	2	11	337	
HIMACHAL PRADESH	13	71	--	--	--	--	15	849	43	3899	
JHARKHAND	7	45	3	569	--	--	5	33	77	2400	
JAMMU & KASHMIR	--	--	1	3	--	--	1	5	2	8	
KARNATAKA	13	272	2	20	--	--	26	4138	90	18700	
KERALA	7	63	--	--	--	--	1	30	37	1791	
MEGHALAYA	3	965	--	--	--	--	1	844	6	1829	
MADHYA PRADESH	43	426	3	35	--	--	91	12354	279	29459	
MAHARASHTRA	26	157	--	--	--	--	2	155	70	6158	
ORISSA	5	35	--	--	--	--	101	5274	160	8935	
RAJASTHAN	68	1009	5	182	--	--	425	24491	813	40477	
TAMIL NADU	7	210	3	117	--	--	32	277	329	10294	
<b>TOTAL : LIMESTONE</b>	<b>280</b>	<b>4117</b>	<b>40</b>	<b>2153</b>	<b>--</b>	<b>--</b>	<b>949</b>	<b>69749</b>	<b>2573</b>	<b>164688</b>	
<b>21. MAGNESITE</b>											
KARNATAKA	3	27	1	169	--	--	--	--	17	550	
TAMIL NADU	17	88	--	--	--	--	3	26	26	254	
UTTARANCHAL	--	--	--	--	--	--	--	--	8	255	
<b>TOTAL : MAGNESITE</b>	<b>20</b>	<b>115</b>	<b>1</b>	<b>169</b>	<b>--</b>	<b>--</b>	<b>3</b>	<b>26</b>	<b>51</b>	<b>1059</b>	
<b>22. MANGANESE</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	--	46	919	
GOA	--	--	--	--	--	--	3	80	37	1200	
KARNATAKA	41	305	13	650	--	--	--	--	91	1367	
MADHYA PRADESH	31	194	11	3108	--	--	5	55	189	7328	
MAHARASHTRA	27	159	5	1180	--	--	15	105	103	4210	
ORISSA	1	3	--	--	--	--	1	5	18	251	
<b>TOTAL : MANGANESE</b>	<b>100</b>	<b>661</b>	<b>29</b>	<b>4938</b>	<b>--</b>	<b>--</b>	<b>24</b>	<b>245</b>	<b>484</b>	<b>15275</b>	
<b>23. MARBLE</b>											
GUJARAT	19	92	34	1079	--	--	58	2476	243	6129	
MADHYA PRADESH	--	--	2	120	--	--	20	926	34	1696	
RAJASTHAN	19	252	64	4205	--	--	68	2039	360	10687	
<b>TOTAL : MARBLE</b>	<b>38</b>	<b>344</b>	<b>100</b>	<b>5404</b>	<b>--</b>	<b>--</b>	<b>146</b>	<b>5441</b>	<b>637</b>	<b>18512</b>	

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO. OF MINES USING ELECT.		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT		
		POWER	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13		
<b>24. MICA</b>														
	ANDHRA PRADESH	19	9	135	16	193	12	148	17	178	11	73		
	BIHAR	1	--	--	1	10	--	--	1	10	--	--		
	JHARKHAND	1	1	10	--	--	--	--	--	--	--	--		
<b>TOTAL : MICA</b>		21	10	145	17	203	12	148	18	188	11	73		
<b>25. QUARTZ</b>														
	ANDHRA PRADESH	2	--	--	--	--	--	--	2	20	--	--		
	JHARKHAND	1	--	--	1	10	1	10	1	3	--	--		
<b>TOTAL : QUARTZ</b>		3	--	--	1	10	1	10	3	23	--	--		
<b>26. SANDSTONE</b>														
	ANDHRA PRADESH	1	--	--	--	--	--	--	117	3631	284	3809		
	JHARKHAND	2	--	--	--	--	--	--	2	42	1	20		
	RAJASTHAN	1	--	--	--	--	--	--	--	--	1	59		
<b>TOTAL : SANDSTONE</b>		4	--	--	--	--	--	--	119	3673	286	3888		
<b>27. SELENITE</b>														
	RAJASTHAN	1	--	--	--	--	--	--	2	16	--	--		
<b>28. SILICA</b>														
	HARYANA	4	--	--	--	--	--	--	64	408	4	470		
	MAHARASHTRA	4	--	--	--	--	--	--	2	10	40	674		
	RAJASTHAN	3	--	--	--	--	--	--	--	--	12	980		
<b>TOTAL : SILICA</b>		11	--	--	--	--	--	--	66	418	56	2124		
<b>29. SILLIMANITE</b>														
	KERALA	1	--	--	--	--	--	--	86	2660	375	2938		
	MAHARASHTRA	2	--	--	--	--	--	--	2	27	277	1617		
	TAMIL NADU	1	--	--	--	--	--	--	--	--	--	--		
<b>TOTAL : SILLIMANITE</b>		4	--	--	--	--	--	--	88	2687	652	4555		

STATEMENT NO. 2.2 (CONT.)

SL. NO.	MINERAL / STATE	WORK SHOP		COMPRESSOR		CONVEYORS		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>24. MICA</b>											
	ANDHRA PRADESH	9	20	14	763	--	--	11	241	99	1751
	BIHAR	--	--	--	--	--	--	--	--	2	20
	JHARKHAND	--	--	--	--	--	--	--	--	1	10
<b>TOTAL : MICA</b>		9	20	14	763	--	--	11	241	102	1781
<b>25. QUARTZ</b>											
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	2	20
	JHARKHAND	1	1	--	--	--	--	--	--	4	24
<b>TOTAL : QUARTZ</b>		1	1	--	--	--	--	--	--	6	44
<b>26. SANDSTONE</b>											
	ANDHRA PRADESH	20	228	--	--	--	--	12	325	433	7993
	JHARKHAND	--	--	--	--	--	--	--	--	3	62
	RAJASTHAN	3	41	--	--	--	--	2	30	6	130
<b>TOTAL : SANDSTONE</b>		23	269	--	--	--	--	14	355	442	8185
<b>27. SELENITE</b>											
	RAJASTHAN	--	--	--	--	--	--	--	--	2	16
<b>28. SILICA</b>											
	HARYANA	6	10	--	--	--	--	1	10	75	898
	MAHARASHTRA	12	30	--	--	--	--	2	132	56	846
	RAJASTHAN	--	--	--	--	--	--	--	--	12	980
<b>TOTAL : SILICA</b>		18	40	--	--	--	--	3	142	143	2724
<b>29. SILLIMANITE</b>											
	KERALA	--	--	--	--	--	--	--	--	461	5598
	MAHARASHTRA	10	22	--	--	--	--	8	29	297	1695
	TAMIL NADU	--	--	--	--	--	--	640	3277	640	3277
<b>TOTAL : SILLIMANITE</b>		10	22	--	--	--	--	648	3306	1398	10570

STATEMENT NO. 2.2 (CONTD.)

SL. NO.	MINERAL / STATE	NO.OF MINES USING ELECT. POWER		WINDING		VENTILATION		HAULAGE		PUMPING		MINERAL PLANT	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	
<b>30. SLATE</b>													
	HARYANA	1	--	--	--	--	--	--	--	2	20	--	--
<b>31. STEATITE</b>													
	ANDHRA PRADESH	3	--	--	--	--	--	--	3	28	--	--	
	BIHAR	1	--	--	--	--	--	--	6	60	--	--	
	JHARKHAND	1	--	--	--	--	--	--	1	40	--	--	
	ORISSA	1	--	--	--	--	--	--	2	3	--	--	
	RAJASTHAN	20	--	--	1	10	7	105	45	3169	4	138	
<b>TOTAL : STEATITE</b>		26	--	--	1	10	7	105	57	3300	4	138	
<b>32. STONE</b>													
	BIHAR	3	--	--	--	--	--	--	9	135	27	237	
	GOA	3	--	--	--	--	--	--	--	--	--	--	
	GUJARAT	3	--	--	--	--	1	8	6	155	19	327	
	HARYANA	1	--	--	--	--	--	--	--	--	--	--	
	JHARKHAND	39	--	--	--	--	--	--	26	423	15	2275	
	KARNATAKA	1	--	--	--	--	--	--	--	--	--	--	
	MAHARASHTRA	2	--	--	--	--	--	--	--	--	--	--	
	TAMIL NADU	1	--	--	--	--	--	--	--	--	2	80	
	WEST BENGAL	11	--	--	--	--	2	30	11	81	16	1778	
<b>TOTAL : STONE</b>		64	--	--	--	--	3	38	52	794	79	4697	
<b>33. WOLLASTONITE</b>													
	RAJASTHAN	3	--	--	--	--	--	--	7	62	24	100	
<b>TOTAL : METALLIFEROUS</b>		758	57	13559	180	12889	215	8031	2505	121703	6262	363516	

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
30.	SLATE										
	HARYANA	--	--	--	--	--	--	--	--	2	20
31.	STEATITE										
	ANDHRA PRADESH	--	--	--	--	--	--	4	388	7	416
	BIHAR	--	--	2	420	--	--	--	--	8	480
	JHARKHAND	--	--	--	--	--	--	--	--	1	40
	ORISSA	--	--	--	--	--	--	--	--	2	3
	RAJASTHAN	5	256	6	1110	--	--	7	488	75	5276
	TOTAL : STEATITE	5	256	8	1530	--	--	11	876	93	6215
32.	STONE										
	BIHAR	--	--	3	260	--	--	--	--	39	632
	GOA	--	--	--	--	--	--	3	1407	3	1407
	GUJARAT	3	18	2	130	--	--	24	262	55	900
	HARYANA	--	--	--	--	--	--	9	1620	9	1620
	JHARKHAND	12	372	4	306	--	--	14	570	71	3946
	KARNATAKA	--	--	--	--	--	--	6	99	6	99
	MAHARASHTRA	10	20	--	--	--	--	1	30	11	50
	TAMIL NADU	--	--	--	--	--	--	--	--	2	80
	WEST BENGAL	4	130	5	140	--	--	6	316	44	2475
	TOTAL : STONE	29	540	14	836	--	--	63	4304	240	11209
33.	WOLLASTONITE										
	RAJASTHAN	7	42	--	--	--	--	7	144	45	348
	TOTAL : METALLIFEROUS	1384	19466	350	47387	12	319	3558	185457	14523	772327

**STATEMENT NO. 2.3**  
**USAGE OF MACHINERY IN BELOW GROUND IN METALLIFEROUS MINES DURING THE YEAR 2011**

SL. NO.	MINERAL / STATE	NO. OF MINES USING BG MACHINERY		WINDING		HAULAGE		VENTILATION		PUMPING		CONVEYOR		ELECT. TRACT.		OTHERS		TOTAL	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
1.	APATITE & ROCK PHOSPHATE UTTARANCHAL	2	1	120	1	50	1	50	3	240	3	50	--	--	--	--	9	510	
2.	ASBESTOS ANDHRA PRADESH	2	2	34	--	--	3	43	1	10	--	--	--	--	--	--	6	87	
3.	BARYTES ANDHRA PRADESH	1	--	--	--	--	1	15	1	10	--	--	--	--	--	--	2	25	
4.	CHROMITE KARNATAKA ORISSA	1	--	--	--	--	4	96	--	--	--	--	--	--	--	--	4	96	
		5	1	30	4	205	20	370	27	1391	--	2	30	5	71	59	2097		
TOTAL : CHROMITE		6	1	30	4	205	24	466	27	1391	--	2	30	5	71	63	2193		
5.	COPPER JHARKHAND RAJASTHAN	2	2	60	3	275	6	90	16	1290	--	--	6	96	35	1664	68	3475	
		2	5	1515	--	--	36	940	13	2000	7	235	19	475	24	1655	104	6820	
TOTAL : COPPER		4	7	1575	3	275	42	1030	29	3290	7	235	25	571	59	3319	172	10295	
6.	GALENA & SPHALARITE ANDHRA PRADESH RAJASTHAN	1	--	--	1	75	1	50	2	60	--	--	--	--	--	--	4	185	
		6	4	1324	1	90	32	630	26	2855	10	652	2	180	27	2006	102	7737	
TOTAL : GALENA & SPHALARITE		7	4	1324	2	165	33	680	28	2915	10	652	2	180	27	2006	106	7922	
7.	GOLD JHARKHAND KARNATAKA UTTARANCHAL	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	4	45	
		1	--	--	--	1	10	8	210	--	--	--	--	--	--	--	9	220	
		1	--	--	--	1	3	--	--	--	--	--	--	--	--	--	1	3	
TOTAL : GOLD		3	--	--	1	10	3	23	10	235	--	--	--	--	--	--	14	268	
8.	LIMESTONE JHARKHAND	1	--	--	--	--	--	--	9	748	--	--	--	--	--	--	9	748	
9.	MANGANESE MADHYA PRADESH MAHARASHTRA	4	1	120	8	200	7	20	44	3004	--	--	12	240	--	--	72	3584	
		5	--	--	1	50	3	30	28	2690	--	--	1	49	--	--	33	2819	
TOTAL : MANGANESE		9	1	120	9	250	10	50	72	5694	--	--	13	289	--	--	105	6403	

**STATEMENT NO. 2.3**  
**USAGE OF MACHINERY IN BELOW GROUND IN METALLIFEROUS MINES DURING THE YEAR 2011**

SL. NO.	MINERAL / STATE	NO.OF MINES		WINDING		HAULAGE		VENTILATION		PUMPING		CONVEYOR		ELECT. TRACT.		OTHERS		TOTAL	
		USING BG MACHINERY	NO.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
10. MICA																			
	ANDHRA PRADESH	12	5	70	5	50	10	54	49	509	--	--	--	--	15	164	84	847	
	BIHAR	1	--	--	--	--	--	2	20	--	--	--	--	--	--	--	2	20	
	JHARKHAND	1	--	--	--	--	--	2	10	--	--	--	--	--	--	--	2	10	
TOTAL : MICA		14	5	70	5	50	10	54	53	539	--	--	--	--	15	164	88	877	
11. QUARTZ																			
	JHARKHAND	1	--	--	1	10	1	10	2	25	--	--	--	--	--	--	--	4	45
12. STEATITE																			
	RAJASTHAN	2	--	--	--	--	--	13	171	--	--	--	--	--	--	--	13	171	
TOTAL : METALLIFEROUS		52	21	3273	26	1015	128	2421	248	15268	20	937	42	1070	106	5560	591	29544	

**STATEMENT NO. 2.4**  
**USAGE OF HEAVY EARTH MOVING MACHINERY IN METALLIFEROUS MINES DURING THE YEAR 2011**

SL. NO.	MINERAL/STATE	NO. OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>1. APATITE &amp; ROCK PHOSPHATE</b>												
RAJASTHAN		3	--	--	18	3210	101	11270	3	564	2	330
WEST BENGAL		1	--	--	1	72	3	268	--	--	--	--
<b>TOTAL : APATITE &amp; ROCK PHOSPHATE</b>		<b>4</b>	--	--	<b>19</b>	<b>3282</b>	<b>104</b>	<b>11538</b>	<b>3</b>	<b>564</b>	<b>2</b>	<b>330</b>
<b>2. BARYTES</b>												
ANDHRA PRADESH		1	--	--	11	3308	70	28000	3	1200	1	108
RAJASTHAN		1	--	--	1	250	--	--	--	--	--	--
<b>TOTAL : BARYTES</b>		<b>2</b>	--	--	<b>12</b>	<b>3558</b>	<b>70</b>	<b>28000</b>	<b>3</b>	<b>1200</b>	<b>1</b>	<b>108</b>
<b>3. BAUXITE</b>												
CHHATTISHGARH		5	--	--	24	3942	59	8569	2	360	4	492
GUJARAT		15	--	--	2	255	9	1096	--	--	14	1052
JHARKHAND		9	--	--	18	2502	71	10798	--	--	9	925
KARNATAKA		1	--	--	--	--	2	90	--	--	--	--
MADHYA PRADESH		2	--	--	1	246	4	720	--	--	1	95
MAHARASHTRA		6	--	--	6	1253	24	2890	1	410	8	894
ORISSA		2	--	--	9	3293	49	31929	10	5690	18	7670
<b>TOTAL : BAUXITE</b>		<b>40</b>	--	--	<b>60</b>	<b>11491</b>	<b>218</b>	<b>56092</b>	<b>13</b>	<b>6460</b>	<b>54</b>	<b>11128</b>
<b>4. CALCITE</b>												
RAJASTHAN		3	--	--	3	325	7	745	2	360	8	776
<b>5. CHINA CLAY,CLAY,WHITE-CLAY</b>												
GUJARAT		1	--	--	1	68	7	875	--	--	--	--
JHARKHAND		1	--	--	--	--	2	67	--	--	1	72
KARNATAKA		1	--	--	--	--	--	--	--	--	--	--
KERALA		1	--	--	--	--	--	--	--	--	--	--
RAJASTHAN		4	2	250	2	250	29	3716	--	--	2	110
WEST BENGAL		1	--	--	--	--	--	--	--	--	4	297
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>		<b>9</b>	<b>2</b>	<b>250</b>	<b>3</b>	<b>318</b>	<b>38</b>	<b>4658</b>	<b>--</b>	<b>--</b>	<b>7</b>	<b>479</b>
<b>6. CHROMITE</b>												
KARNATAKA		2	--	--	--	--	11	593	--	--	1	76
ORISSA		17	--	--	57	13810	401	98630	38	9039	27	3944
<b>TOTAL : CHROMITE</b>		<b>19</b>	--	--	<b>57</b>	<b>13810</b>	<b>412</b>	<b>99223</b>	<b>38</b>	<b>9039</b>	<b>28</b>	<b>4020</b>

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>1. APATITE &amp; ROCK PHOSPHATE</b>											
RAJASTHAN	--	--	--	--	--	--	--	10	1088	134	16462
WEST BENGAL	1	50	--	--	--	--	--	--	--	5	390
<b>TOTAL : APATITE &amp; ROCK PHOSPHATE</b>	<b>1</b>	<b>50</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>10</b>	<b>1088</b>	<b>139</b>	<b>16852</b>
<b>2. BARYTES</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	6	300	91	32916
RAJASTHAN	--	--	--	--	--	--	--	--	--	1	250
<b>TOTAL : BARYTES</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>6</b>	<b>300</b>	<b>92</b>	<b>33166</b>
<b>3. BAUXITE</b>											
CHHATTISHGARH	--	--	--	--	--	--	--	5	552	94	13915
GUJARAT	18	845	--	--	--	--	--	--	--	43	3248
JHARKHAND	6	254	--	--	--	--	--	6	485	110	14964
KARNATAKA	1	35	--	--	--	--	--	--	--	3	125
MADHYA PRADESH	2	70	--	--	--	--	--	1	100	9	1231
MAHARASHTRA	--	--	--	--	--	--	--	9	1595	48	7042
ORISSA	--	--	--	--	--	2	560	5	1615	93	50757
<b>TOTAL : BAUXITE</b>	<b>27</b>	<b>1204</b>	<b>--</b>	<b>--</b>	<b>2</b>	<b>560</b>	<b>26</b>	<b>4347</b>	<b>400</b>	<b>91282</b>	
<b>4. CALCITE</b>											
RAJASTHAN	--	--	--	--	--	--	--	--	--	20	2206
<b>5. CHINA CLAY,CLAY,WHITE-CLAY</b>											
GUJARAT	--	--	--	--	--	--	--	--	--	8	943
JHARKHAND	--	--	--	--	--	--	--	--	--	3	139
KARNATAKA	--	--	--	--	--	--	--	3	21	3	21
KERALA	--	--	--	--	--	--	--	2	16	2	16
RAJASTHAN	4	80	--	--	--	--	--	--	--	39	4406
WEST BENGAL	--	--	--	--	--	--	--	21	1093	25	1390
<b>TOTAL : CHINA CLAY,CLAY,WHITE-</b>	<b>4</b>	<b>80</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>26</b>	<b>1130</b>	<b>80</b>	<b>6915</b>
<b>6. CHROMITE</b>											
KARNATAKA	--	--	--	--	--	--	--	2	110	14	779
ORISSA	2	90	--	--	5	757	92	12747	622	139017	
<b>TOTAL : CHROMITE</b>	<b>2</b>	<b>90</b>	<b>--</b>	<b>--</b>	<b>5</b>	<b>757</b>	<b>94</b>	<b>12857</b>	<b>636</b>	<b>139796</b>	

**STATEMENT NO. 2.4 (CONTD.)**

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>7. COPPER</b>												
MADHYA PRADESH	1	5	2799	--	--	--	--	--	--	--	--	--
RAJASTHAN	2	--	--	--	--	2	220	--	--	--	--	--
<b>TOTAL : COPPER</b>	<b>3</b>	<b>5</b>	<b>2799</b>	--	--	<b>2</b>	<b>220</b>	--	--	--	--	--
<b>8. DIAMOND</b>												
MADHYA PRADESH	1	--	--	3	755	4	1801	3	960	2	432	
<b>9. DOLOMITE</b>												
ANDHRA PRADESH	1	--	--	4	1046	8	3040	2	552	2	860	
CHHATTISHGARH	3	--	--	2	640	45	8813	1	410	15	3300	
JHARKHAND	1	--	--	--	--	--	--	1	410	--	--	
ORISSA	2	--	--	5	680	23	3622	--	--	4	640	
<b>TOTAL : DOLOMITE</b>	<b>7</b>	<b>--</b>	<b>--</b>	<b>11</b>	<b>2366</b>	<b>76</b>	<b>15475</b>	<b>4</b>	<b>1372</b>	<b>21</b>	<b>4800</b>	
<b>10. FIRE-CLAY</b>												
ORISSA	1	--	--	1	220	5	575	--	--	--	--	--
<b>11. FLUORITE</b>												
GUJARAT	1	--	--	5	829	6	1390	2	540	--	--	--
<b>12. GALENA &amp; SPHALARITE</b>												
RAJASTHAN	5	--	--	10	6867	73	10961	12	1759	18	7506	
<b>13. GOLD</b>												
KARNATAKA	1	--	--	2	300	--	--	--	--	--	--	--
<b>14. GRANITE</b>												
ANDHRA PRADESH	66	--	--	170	38556	170	41350	5	1307	9	2331	
GOA	1	--	--	2	268	--	--	--	--	--	--	
KARNATAKA	12	--	--	31	5266	43	6438	1	220	8	1350	
KERALA	6	--	--	9	1305	12	892	--	--	1	72	
MADHYA PRADESH	2	--	--	10	2386	17	2550	1	160	2	535	
ORISSA	1	--	--	3	555	5	735	--	--	--	--	
TAMIL NADU	53	--	--	63	11342	107	9832	--	--	--	--	
UTTAR PRADESH	2	--	--	5	1480	5	1025	--	--	--	--	
<b>TOTAL : GRANITE</b>	<b>143</b>	<b>--</b>	<b>--</b>	<b>293</b>	<b>61158</b>	<b>359</b>	<b>62822</b>	<b>7</b>	<b>1687</b>	<b>20</b>	<b>4288</b>	

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>7. COPPER</b>											
	MADHYA PRADESH	--	--	--	--	--	--	54	35581	59	38380
	RAJASTHAN	1	50	--	--	--	--	--	--	3	270
<b>TOTAL : COPPER</b>		1	50	--	--	--	--	54	35581	62	38650
<b>8. DIAMOND</b>											
	MADHYA PRADESH	--	--	--	--	1	145	4	729	17	4822
<b>9. DOLOMITE</b>											
	ANDHRA PRADESH	1	50	--	--	1	140	--	--	18	5688
	CHHATTISHGARH	--	--	--	--	--	--	4	902	67	14065
	JHARKHAND	--	--	--	--	--	--	--	--	1	410
	ORISSA	--	--	--	--	--	--	--	--	32	4942
<b>TOTAL : DOLOMITE</b>		1	50	--	--	1	140	4	902	118	25105
<b>10. FIRE-CLAY</b>											
	ORISSA	--	--	--	--	--	--	--	--	6	795
<b>11. FLUORITE</b>											
	GUJARAT	--	--	--	--	--	--	--	--	13	2759
<b>12. GALENA &amp; SPHALARITE</b>											
	RAJASTHAN	--	--	--	--	5	819	13	1797	131	29709
<b>13. GOLD</b>											
	KARNATAKA	--	--	--	--	--	--	--	--	2	300
<b>14. GRANITE</b>											
	ANDHRA PRADESH	2	350	--	--	--	--	53	3329	409	87223
	GOA	--	--	--	--	--	--	--	--	2	268
	KARNATAKA	--	--	--	--	--	--	9	777	92	14051
	KERALA	1	35	--	--	--	--	1	50	24	2354
	MADHYA PRADESH	--	--	--	--	--	--	3	330	33	5961
	ORISSA	--	--	--	--	--	--	--	--	8	1290
	TAMIL NADU	--	--	--	--	--	--	57	7004	227	28178
	UTTAR PRADESH	--	--	--	--	--	--	7	1130	17	3635
<b>TOTAL : GRANITE</b>		3	385	--	--	--	--	130	12620	812	142960

**STATEMENT NO. 2.4 (CONTD.)**

SL. NO.	MINERAL/STATE	NO. OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
15.	GRAPHITE											
	ORISSA	1	--	--	--	--	2	200	--	--	--	--
16.	GYPSUM											
	RAJASTHAN	13	--	--	14	2175	235	21600	--	--	--	--
17.	IRON											
	CHHATTISHGARH	9	26	11784	31	10676	311	82474	37	16173	14	4276
	GOA	68	--	--	230	54023	1630	224944	94	33513	189	36999
	JHARKHAND	11	3	800	37	13261	98	43674	29	11600	26	7205
	KARNATAKA	71	--	--	294	54706	983	141542	26	7297	243	30270
	MADHYA PRADESH	1	--	--	1	148	4	440	--	--	--	--
	MAHARASHTRA	9	--	--	39	8069	181	25610	20	6886	19	3268
	ORISSA	54	30	1063	253	48298	776	157672	68	20280	213	30772
	RAJASTHAN	2	--	--	8	1902	55	7879	7	2107	3	372
TOTAL :	IRON	225	59	13647	893	191083	4038	684235	281	97856	707	113162
18.	LATERITE											
	RAJASTHAN	1	--	--	7	1040	26	4920	2	720	--	--
19.	LIMESTONE											
	ANDHRA PRADESH	56	2	405	129	37086	428	118768	32	9658	10	3338
	ASSAM	5	--	--	8	1115	33	3400	2	285	--	--
	BIHAR	2	--	--	4	838	28	2590	1	186	--	--
	CHHATTISHGARH	13	--	--	40	14330	142	54352	18	6672	15	3474
	GUJARAT	15	1	180	33	6915	183	30696	10	3267	20	3753
	HIMACHAL PRADESH	11	--	--	37	13908	86	36657	15	3954	5	669
	JHARKHAND	4	--	--	10	2783	14	7540	3	945	1	220
	JAMMU & KASHMIR	1	--	--	2	232	8	320	1	320	--	--
	KARNATAKA	14	--	--	38	12182	131	37003	12	4691	8	2223
	KERALA	1	--	--	4	1492	16	2270	--	--	--	--
	MEGHALAYA	9	--	--	24	5746	77	13410	5	1138	1	331
	MADHYA PRADESH	24	--	--	82	25782	321	88635	41	14334	14	3668
	MAHARASHTRA	7	1	302	22	7014	83	23641	16	5611	4	1200
	ORISSA	8	--	--	35	9162	92	29995	3	942	3	348
	RAJASTHAN	58	--	--	132	31217	650	134948	35	10811	65	14015
	TAMIL NADU	43	--	--	92	20051	284	47691	23	7207	24	3215
	UTTAR PRADESH	1	--	--	4	1405	23	6335	1	308	--	--
TOTAL :	LIMESTONE	272	4	887	696	191258	2599	638251	218	70329	170	36454

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>15. GRAPHITE</b>											
	ORISSA	--	--	--	--	--	--	--	--	2	200
<b>16. GYPSUM</b>											
	RAJASTHAN	9	360	--	--	--	--	4	86	262	24221
<b>17. IRON</b>											
	CHHATTISHGARH	3	190	--	--	13	2729	32	9650	467	137952
	GOA	--	--	--	--	11	1652	64	8056	2218	359187
	JHARKHAND	--	--	--	--	11	2614	20	3083	224	82237
	KARNATAKA	1	50	--	--	6	1630	41	4268	1594	239763
	MADHYA PRADESH	--	--	--	--	--	--	3	250	8	838
	MAHARASHTRA	--	--	--	--	2	530	6	1728	267	46091
	ORISSA	7	430	--	--	15	2954	54	11355	1416	272824
	RAJASTHAN	--	--	--	--	--	--	2	90	75	12350
<b>TOTAL : IRON</b>		11	670	--	--	58	12109	222	38480	6269	1151242
<b>18. LATERITE</b>											
	RAJASTHAN	--	--	--	--	--	--	--	--	35	6680
<b>19. LIMESTONE</b>											
	ANDHRA PRADESH	6	354	--	--	2	265	68	8657	677	178531
	ASSAM	--	--	--	--	--	--	--	--	43	4800
	BIHAR	--	--	--	--	--	--	--	--	33	3614
	CHHATTISHGARH	--	--	--	--	3	574	25	6718	243	86120
	GUJARAT	2	93	--	--	1	155	20	8725	270	53784
	HIMACHAL PRADESH	--	--	--	--	2	358	5	322	150	55868
	JHARKHAND	2	100	--	--	--	--	82	19395	112	30983
	JAMMU & KASHMIR	--	--	--	--	--	--	--	--	11	872
	KARNATAKA	4	177	--	--	--	--	12	1043	205	57319
	KERALA	--	--	--	--	--	--	--	--	20	3762
	MEGHALAYA	--	--	--	--	--	--	6	782	113	21407
	MADHYA PRADESH	1	50	--	--	12	2700	39	3636	510	138805
	MAHARASHTRA	1	60	--	--	2	305	20	3123	149	41256
	ORISSA	--	--	--	--	1	145	8	765	142	41357
	RAJASTHAN	9	423	--	--	--	--	87	26106	978	217520
	TAMIL NADU	3	105	--	--	--	--	41	9830	467	88099
	UTTAR PRADESH	--	--	--	--	--	--	--	--	28	8048
<b>TOTAL : LIMESTONE</b>		28	1362	--	--	23	4502	413	89102	4151	1032145

**STATEMENT NO. 2.4 (CONTD.)**

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>20. MAGNESITE</b>												
KARNATAKA		2	--	--	2	390	8	964	--	--	2	230
TAMIL NADU		4	--	--	12	1713	24	6391	3	820	3	540
UTTARANCHAL		1	--	--	3	420	4	200	--	--	1	150
<b>TOTAL : MAGNESITE</b>		<b>7</b>	--	--	<b>17</b>	<b>2523</b>	<b>36</b>	<b>7555</b>	<b>3</b>	<b>820</b>	<b>6</b>	<b>920</b>
<b>21. MANGANESE</b>												
ANDHRA PRADESH		6	--	--	6	904	27	2404	2	420	5	640
GOA		3	--	--	12	1418	92	8714	2	918	2	240
KARNATAKA		2	--	--	2	240	10	630	1	200	4	470
MADHYA PRADESH		9	--	--	13	2626	54	12021	5	1107	23	6890
MAHARASHTRA		2	--	--	19	5727	8	2020	3	820	3	367
ORISSA		12	--	--	37	6620	102	15359	8	1522	27	6306
<b>TOTAL : MANGANESE</b>		<b>34</b>	--	--	<b>89</b>	<b>17535</b>	<b>293</b>	<b>41148</b>	<b>21</b>	<b>4987</b>	<b>64</b>	<b>14913</b>
<b>22. MARBLE</b>												
GUJARAT		4	--	--	28	3304	24	3002	--	--	7	672
MADHYA PRADESH		3	--	--	2	485	11	2375	--	--	5	925
RAJASTHAN		5	1	150	32	8502	40	11950	--	--	15	4458
<b>TOTAL : MARBLE</b>		<b>12</b>	<b>1</b>	<b>150</b>	<b>62</b>	<b>12291</b>	<b>75</b>	<b>17327</b>	--	--	<b>27</b>	<b>6055</b>
<b>23. MICA</b>												
ANDHRA PRADESH		2	--	--	--	--	--	--	--	--	--	--
<b>24. QUARTZ</b>												
ANDHRA PRADESH		2	--	--	2	307	7	640	--	--	--	--
JHARKHAND		1	--	--	--	--	--	--	--	--	--	--
<b>TOTAL : QUARTZ</b>		<b>3</b>	--	--	<b>2</b>	<b>307</b>	<b>7</b>	<b>640</b>	--	--	--	--
<b>25. SANDSTONE</b>												
HARYANA		1	--	--	2	400	--	--	--	--	--	--
RAJASTHAN		1	--	--	1	131	43	4120	--	--	--	--
UTTAR PRADESH		1	--	--	--	--	10	1082	--	--	1	110
<b>TOTAL : SANDSTONE</b>		<b>3</b>	--	--	<b>3</b>	<b>531</b>	<b>53</b>	<b>5202</b>	--	--	<b>1</b>	<b>110</b>

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
<b>20. MAGNESITE</b>											
KARNATAKA	--	--	--	--	--	--	--	--	--	12	1584
TAMIL NADU	2	116	--	--	1	280	3	330	48	10190	
UTTARANCHAL	--	--	--	--	--	--	--	--	8	770	
<b>TOTAL : MAGNESITE</b>	<b>2</b>	<b>116</b>	<b>--</b>	<b>--</b>	<b>1</b>	<b>280</b>	<b>3</b>	<b>330</b>	<b>68</b>	<b>12544</b>	
<b>21. MANGANESE</b>											
ANDHRA PRADESH	1	55	--	--	--	--	--	--	41	4423	
GOA	--	--	--	--	--	--	--	--	108	11290	
KARNATAKA	--	--	--	--	--	--	--	--	17	1540	
MADHYA PRADESH	2	76	--	--	--	--	4	107	101	22827	
MAHARASHTRA	--	--	--	--	--	--	1	35	34	8969	
ORISSA	--	--	--	--	--	--	17	802	191	30609	
<b>TOTAL : MANGANESE</b>	<b>3</b>	<b>131</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>22</b>	<b>944</b>	<b>492</b>	<b>79658</b>	
<b>22. MARBLE</b>											
GUJARAT	4	262	--	--	4	160	1	20	68	7420	
MADHYA PRADESH	--	--	--	--	--	--	1	50	19	3835	
RAJASTHAN	--	--	--	--	--	--	14	1205	102	26265	
<b>TOTAL : MARBLE</b>	<b>4</b>	<b>262</b>	<b>--</b>	<b>--</b>	<b>4</b>	<b>160</b>	<b>16</b>	<b>1275</b>	<b>189</b>	<b>37520</b>	
<b>23. MICA</b>											
ANDHRA PRADESH	--	--	--	--	--	--	3	220	3	220	
<b>24. QUARTZ</b>											
ANDHRA PRADESH	--	--	--	--	--	--	--	--	9	947	
JHARKHAND	--	--	--	--	--	--	2	45	2	45	
<b>TOTAL : QUARTZ</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>2</b>	<b>45</b>	<b>11</b>	<b>992</b>	
<b>25. SANDSTONE</b>											
HARYANA	--	--	--	--	--	--	--	--	2	400	
RAJASTHAN	--	--	--	--	--	--	--	--	44	4251	
UTTAR PRADESH	--	--	--	--	--	--	4	440	15	1632	
<b>TOTAL : SANDSTONE</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>4</b>	<b>440</b>	<b>61</b>	<b>6283</b>	

**STATEMENT NO. 2.4 (CONTD.)**

SL. NO.	MINERAL/STATE	NO.OF MINES USING HEMM	ELECT. SHOVEL		DIESEL SHOVEL		DUMPERS		DOZERS		LOADERS	
			NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
26.	SELENITE											
	RAJASTHAN	1	--	--	1	65	--	--	--	--	--	--
27.	SILICA											
	HARYANA	3	--	--	2	180	12	900	--	--	1	140
	RAJASTHAN	2	--	--	2	220	17	1870	--	--	6	438
<b>TOTAL : SILICA</b>		<b>5</b>	--	--	<b>4</b>	<b>400</b>	<b>29</b>	<b>2770</b>	--	--	<b>7</b>	<b>578</b>
28.	SILLIMANITE											
	KERALA	1	--	--	--	--	--	--	--	--	--	--
	MAHARASHTRA	1	--	--	--	--	10	2200	--	--	8	880
	ORISSA	1	--	--	--	--	--	--	--	--	--	--
<b>TOTAL : SILLIMANITE</b>		<b>3</b>	--	--	--	--	<b>10</b>	<b>2200</b>	--	--	<b>8</b>	<b>880</b>
29.	SLATE											
	HARYANA	1	--	--	2	241	6	750	--	--	--	--
30.	STEATITE											
	ANDHRA PRADESH	2	--	--	1	350	3	23	--	--	--	--
	MADHYA PRADESH	1	--	--	--	--	1	50	--	--	--	--
	ORISSA	1	--	--	1	115	2	80	--	--	--	--
	RAJASTHAN	12	--	--	21	5967	91	22007	5	632	13	1259
<b>TOTAL : STEATITE</b>		<b>16</b>	--	--	<b>23</b>	<b>6432</b>	<b>97</b>	<b>22160</b>	<b>5</b>	<b>632</b>	<b>13</b>	<b>1259</b>
31.	STONE											
	BIHAR	1	--	--	--	--	23	4986	--	--	--	--
	GOA	3	--	--	7	881	--	--	--	--	--	--
	GUJARAT	1	--	--	2	250	9	1112	--	--	1	112
	HARYANA	4	--	--	24	7532	38	10855	4	815	4	496
	JHARKHAND	20	--	--	3	775	21	1800	--	--	2	235
	MAHARASHTRA	4	--	--	17	5068	38	10400	2	610	12	3715
	ORISSA	1	--	--	2	500	--	--	--	--	--	--
	RAJASTHAN	1	--	--	--	--	--	--	1	100	--	--
	TAMIL NADU	4	--	--	6	1093	20	2720	--	--	1	130
	WEST BENGAL	3	--	--	9	1373	41	4635	--	--	3	330
<b>TOTAL : STONE</b>		<b>42</b>	--	--	<b>70</b>	<b>17472</b>	<b>190</b>	<b>36508</b>	<b>7</b>	<b>1525</b>	<b>23</b>	<b>5018</b>
32.	WOLLASTONITE											
	RAJASTHAN	3	--	--	7	930	34	4630	3	525	10	982
<b>TOTAL : METALLIFEROUS</b>		<b>883</b>	<b>71</b>	<b>17733</b>	<b>2369</b>	<b>549562</b>	<b>9104</b>	<b>1783596</b>	<b>627</b>	<b>201335</b>	<b>1197</b>	<b>214198</b>

STATEMENT NO. 2.4 (CONTD.)

SL. NO.	MINERAL/STATE	TRACTOR		DRAG-LINE		GRADER		OTHERS		TOTAL HEMM	
		NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	14	15	16	17	18	19	20	21	22	23
26.	SELENITE										
	RAJASTHAN	2	64	--	--	--	--	4	31	7	160
27.	SILICA										
	HARYANA	--	--	--	--	--	--	7	387	22	1607
	RAJASTHAN	--	--	--	--	--	--	--	--	25	2528
TOTAL : SILICA		--	--	--	--	--	--	7	387	47	4135
28.	SILLIMANITE										
	KERALA	--	--	--	--	--	--	3	2862	3	2862
	MAHARASHTRA	--	--	--	--	--	--	--	--	18	3080
	ORISSA	--	--	--	--	--	--	2	670	2	670
TOTAL : SILLIMANITE		--	--	--	--	--	--	5	3532	23	6612
29.	SLATE										
	HARYANA	--	--	--	--	--	--	1	80	9	1071
30.	STEATITE										
	ANDHRA PRADESH	--	--	--	--	--	--	--	--	4	373
	MADHYA PRADESH	--	--	--	--	--	--	--	--	1	50
	ORISSA	--	--	--	--	--	--	--	--	3	195
	RAJASTHAN	4	175	--	--	--	--	9	557	143	30597
TOTAL : STEATITE		4	175	--	--	--	--	9	557	151	31215
31.	STONE										
	BIHAR	--	--	--	--	--	--	--	--	23	4986
	GOA	--	--	--	--	--	--	--	--	7	881
	GUJARAT	--	--	--	--	--	--	--	--	12	1474
	HARYANA	--	--	--	--	1	160	1	118	72	19976
	JHARKHAND	2	120	--	--	--	--	7	416	35	3346
	MAHARASHTRA	--	--	--	--	1	140	--	--	70	19933
	ORISSA	--	--	--	--	--	--	--	--	2	500
	RAJASTHAN	3	450	--	--	--	--	--	--	4	550
	TAMIL NADU	--	--	--	--	--	--	--	--	27	3943
	WEST BENGAL	1	25	--	--	--	--	--	--	54	6363
TOTAL : STONE		6	595	--	--	2	300	8	534	306	61952
32.	WOLLASTONITE										
	RAJASTHAN	--	--	--	--	--	--	--	--	54	7067
TOTAL : METALLIFEROUS		108	5644	--	--	102	19772	--	207394	14668	2999234

**STATEMENT NO. 2.5**  
**USAGE OF ELECTRICAL MACHINERIES AND DIESEL COMPRESSORS IN OIL MINES DURING THE YEAR 2011**

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.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
ANDHRA PRADESH	5	14	12200	1	5	472	29184	25	1	2	6	448	11615	962	53011	11	1000	
ARUNACHAL PRADESH	1	--	--	--	--	48	477	1	3	2	2	1	5	52	487	--	--	
ASSAM	24	70	59620	22	249	1270	163761	57	6949	284	2744	1843	100679	3546	334002	205	19292	
GUJARAT	25	26	21800	102	1716	2008	148939	87	968	11	171	2528	66533	4762	240127	330	198326	
JHARKHAND	4	--	--	--	--	55	1750	3	15	--	--	--	--	58	1765	1	143	
MADHYA PRADESH	2	1	145	--	--	18	580	4	5	1	2	42	66	66	798	2	1505	
RAJASTHAN	7	16	8181	3	3020	612	37407	14	192	2	7	43	2105	690	50912	3	658	
TAMIL NADU	4	--	--	--	--	266	3281	12	10	12	100	74	1333	364	4724	1	74	
TRIPURA	4	1	2000	3	4200	59	10750	4	20	11	201	10	723	88	17894	12	1050	
WEST BENGAL	2	1	1000	1	1000	30	3130	--	--	--	--	27	5071	59	10201	3	532	
<b>TOTAL : OIL</b>	<b>78</b>	<b>129</b>	<b>104946</b>	<b>132</b>	<b>10190</b>	<b>4838</b>	<b>399259</b>	<b>207</b>	<b>8163</b>	<b>325</b>	<b>3233</b>	<b>5016</b>	<b>188130</b>	<b>10647</b>	<b>713921</b>	<b>568</b>	<b>222580</b>	

STATEMENT NO. 2.6  
USAGE OF DRILLS AND DIESEL COMPRESSORS IN METALLIFEROUS MINES DURING THE YEAR 2011

MINERAL	NO. OF MINES		NUMBER OF DRILLS			NO. OF MINES		COMPRESSORS	
	USING DRILLS		SMALL	HEAVY	TOTAL	USING COMPRESSORS		NO.	H.P.
1	2	3	4	5	6	7	8		
APATITE & ROCK PHOSPHATE	9	23	17	40	7	19	958		
ASBESTOS	3	--	10	10	2	2	245		
BARYTES	5	5	2	7	4	5	262		
BAUXITE	62	92	36	128	30	50	8176		
CALCITE	3	7	5	12	3	7	1025		
CHINA CLAY, CLAY, WHITE-	5	7	--	7	4	9	244		
CHROMITE	21	81	54	135	8	13	1820		
COPPER	5	133	53	186	3	19	5955		
DIAMOND	1	--	3	3	--	--	--		
DOLOMITE	26	46	4	50	12	22	2228		
FELSPAR	3	9	--	9	--	--	--		
FIRE-CLAY	1	1	--	1	--	--	--		
FLUORITE	3	3	4	7	2	4	570		
GALENA & SPHALARITE	7	47	45	92	2	4	1248		
GOLD	5	149	44	193	1	1	60		
GRANITE	203	1239	250	1489	159	450	55870		
GRAPHITE	1	2	1	3	--	--	--		
GYPSUM	2	3	--	3	--	--	--		
IRON	172	116	313	429	84	174	28113		
KYANITE	2	4	--	4	1	1	210		
LATERITE	2	8	1	9	3	6	387		
LIMESTONE	376	415	487	902	219	355	48512		
MAGNESITE	10	20	10	30	7	16	1790		
MANGANESE	57	276	35	311	25	70	6998		
MARBLE	17	343	63	406	15	70	6789		
MICA	21	29	11	40	6	7	360		
QUARTZ	15	28	3	31	4	4	565		
SALT	1	2	--	2	1	1	50		
SANDSTONE	2	1	5	6	1	5	680		
SILICA	20	51	13	64	13	21	4010		
SILLIMANITE	2	3	1	4	4	26	2608		
STEATITE	41	66	19	85	23	43	4239		
STONE	141	198	57	255	70	108	10719		
WOLLASTONITE	3	21	8	29	2	11	1140		
<b>TOTAL : METALLIFEROUS</b>	<b>1247</b>	<b>3428</b>	<b>1554</b>	<b>4982</b>	<b>715</b>	<b>1523</b>	<b>195831</b>		

**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	34249	268	54621	7,220	369	106	97,272	12,657	4,289
2011	1133	917	32657	626	57942	6200	370	634	98213	11425	4606

\*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 2011 : 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
<b>1. APATITE &amp; ROCK PHOSPHATE</b>													
	ANDHRA PRADESH	1	--	2158	--	--	--	--	--	--	2158	4820	--
	MADHYA PRADESH	2	--	4775	8250	3425	--	--	--	--	16450	1183	10054
	RAJASTHAN	3	--	--	122480	3694768	68635	19950	--	--	3905833	37068	1424
	UTTARANCHAL	2	--	580	--	--	--	--	--	--	580	--	--
	WEST BENGAL	1	--	--	--	--	99	--	--	--	99	870	981
<b>TOTAL : APATITE &amp; ROCK PHOSPHATE</b>		9	--	7513	130730	3698193	68734	19950	--	--	3925120	43941	12459
<b>2. ASBESTOS</b>													
	ANDHRA PRADESH	3	--	--	--	8639	--	--	--	--	8639	--	39263
<b>3. BARYTES</b>													
	ANDHRA PRADESH	3	--	100	261950	2993014	427	--	--	--	3255491	74337	590
	HIMACHAL PRADESH	1	--	103	--	--	--	--	--	--	103	--	820
	RAJASTHAN	1	--	--	--	--	555	--	--	--	555	--	4440
<b>TOTAL : BARYTES</b>		5	--	203	261950	2993014	982	--	--	--	3256149	74337	5850
<b>4. BAUXITE</b>													
	CHHATTISHGARH	5	--	--	343865	--	119930	--	--	--	463795	--	17243
	GUJARAT	19	--	793	12196	--	43870	--	--	--	56859	81813	38273
	JHARKHAND	15	--	200	452157	20949	3972	--	--	--	477278	1354	43917
	KARNATAKA	1	--	--	--	--	2010	--	--	--	2010	16040	--
	MADHYA PRADESH	5	--	735	--	--	17852	--	--	--	18587	41137	80975
	MAHARASHTRA	7	--	16732	23440	88850	6240	--	--	--	135262	30265	900
	ORISSA	1	--	--	431918	364515	--	--	--	--	796433	--	--
	TAMIL NADU	1	--	44	--	--	--	--	--	--	44	34	--
	UTTAR PRADESH	3	--	--	1391	--	921	--	--	--	2312	--	17943
<b>TOTAL : BAUXITE</b>		57	--	18504	1264967	474314	194795	--	--	--	1952580	170643	199251
<b>5. CALCITE</b>													
	RAJASTHAN	3	--	3297	116390	--	3826	--	--	--	123513	110937	21248
<b>6. CHINA CLAY, CLAY, WHITE-CLAY</b>													
	ANDHRA PRADESH	2	--	--	--	--	965	--	--	--	965	2195	4228
	RAJASTHAN	2	--	456	--	--	432	--	--	--	888	--	5300
<b>TOTAL : CHINA CLAY, CLAY, WHITE-</b>		4	--	456	--	--	1397	--	--	--	1853	2195	9528

## STATEMENT NO. 3.2 (CONTD.)

(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
<b>7. CHROMITE</b>													
KARNATAKA		3	--	--	35	508	820	--	--	--	1363	5619	154
ORISSA		17	--	--	8580	1184902	56814	2050	--	--	1252346	343194	24386
<b>TOTAL : CHROMITE</b>		<b>20</b>	--	--	<b>8615</b>	<b>1185410</b>	<b>57634</b>	<b>2050</b>	--	--	<b>1253709</b>	<b>348813</b>	<b>24540</b>
<b>8. COPPER</b>													
JHARKHAND		2	--	7150	--	16030	213990	--	--	--	237170	440913	30186
MADHYA PRADESH		1	--	--	--	3453639	--	--	--	--	3453639	--	11850
RAJASTHAN		2	--	--	274300	140252	317130	--	--	--	731682	261338	--
<b>TOTAL : COPPER</b>		<b>5</b>	--	<b>7150</b>	<b>274300</b>	<b>3609921</b>	<b>531120</b>	--	--	--	<b>4422491</b>	<b>702251</b>	<b>42036</b>
<b>9. DIAMOND</b>													
MADHYA PRADESH		1	--	--	--	70475	--	--	--	--	70475	--	1479
<b>10. DOLOMITE</b>													
ANDHRA PRADESH		3	--	--	--	226600	5983	--	--	--	232583	6920	2361
CHHATTISGARH		8	--	--	334708	624342	196475	--	--	--	1155525	83046	85064
JHARKHAND		1	--	--	--	--	70025	--	--	--	70025	6745	--
KARNATAKA		5	--	1692	--	--	1297	--	--	--	60	3049	17627
MADHYA PRADESH		2	--	--	--	--	4473	--	--	--	4473	16400	--
MAHARASHTRA		3	--	--	--	--	2528	--	--	--	2528	12192	--
ORISSA		3	--	--	29039	147225	8283	--	--	--	184547	44623	499
<b>TOTAL : DOLOMITE</b>		<b>25</b>	--	<b>1692</b>	<b>363747</b>	<b>998167</b>	<b>289064</b>	--	--	<b>60</b>	<b>1652730</b>	<b>187553</b>	<b>104240</b>
<b>11. FELSPAR</b>													
ANDHRA PRADESH		3	--	1839	30400	--	14683	--	--	--	46922	16672	8941
<b>12. FIRE-CLAY</b>													
ORISSA		1	--	--	--	--	959	--	--	--	959	--	5503
<b>13. FLUORITE</b>													
GUJARAT		1	--	--	245	39518	--	--	--	--	39763	992	--
MAHARASHTRA		1	--	--	--	--	418	--	--	--	418	3118	--
RAJASTHAN		1	--	--	180	--	--	--	--	--	180	--	350
<b>TOTAL : FLUORITE</b>		<b>3</b>	--	--	<b>425</b>	<b>39518</b>	<b>418</b>	--	--	--	<b>40361</b>	<b>4110</b>	<b>350</b>

STATEMENT NO. 3.2 (CONTD.)

(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
14.	GALENA & SPHALARITE												
	RAJASTHAN	7	--	--	353710	920763	767116	--	--	--	2041589	698212	130067
15.	GOLD												
	JHARKHAND	1	--	--	--	--	8700	--	--	--	8700	22920	--
	KARNATAKA	3	--	--	--	150216	303661	--	--	--	453877	393069	--
	UTTARANCHAL	1	--	--	--	--	45	--	--	--	45	--	--
	TOTAL : GOLD	5	--	--	--	150216	312406	--	--	--	462622	415989	--
16.	GRANITE												
	ANDHRA PRADESH	59	--	15468	397410	579817	183422	--	--	--	1176117	359385	2105
	GOA	2	--	--	16800	7475	3190	--	--	--	27465	58469	645
	KARNATAKA	16	--	1016	--	620	34232	--	--	11495	47363	283373	10719
	KERALA	11	--	--	7949	243	10511	--	--	400	19103	99644	33183
	MADHYA PRADESH	1	--	--	--	--	2600	--	--	--	2600	30800	--
	ORISSA	1	--	--	--	--	496	--	--	--	496	2128	--
	TAMIL NADU	66	--	23535	--	397693	231255	--	--	13428	665911	173581	31429
	UTTAR PRADESH	2	--	--	--	6826	--	--	--	--	6826	48742	--
	TOTAL : GRANITE	158	--	40019	422159	992674	465706	--	--	25323	1945881	1056122	78081
17.	GRAPHITE												
	TAMIL NADU	1	--	--	55175	25686	--	--	--	--	80861	1003	--
18.	GYPSUM												
	JAMMU & KASHMIR	2	--	3732	--	--	--	--	--	--	3732	--	10578
19.	IRON												
	ANDHRA PRADESH	1	--	--	--	3980	--	--	--	--	3980	--	42947
	CHHATTISGARH	9	4121	121495	--	6305461	3182	13329	--	--	6447588	--	5019
	GOA	12	--	2220	--	542166	2652	--	--	--	547038	3876	2996
	JHARKHAND	16	--	--	59701	1921531	8011	55900	--	--	2045143	24251	30704
	KARNATAKA	43	409503	189	179015	1814483	52846	2160	12240	--	2470436	4933	38807
	MADHYA PRADESH	2	--	729	--	--	--	--	--	--	729	28150	3015
	MAHARASHTRA	2	--	--	--	112280	65546	--	--	--	177826	--	34564
	ORISSA	67	68660	6823	810666	5155695	62131	62379	--	--	6166354	135981	309728
	RAJASTHAN	1	--	--	--	85350	4860	--	--	--	90210	4718	--
	TOTAL : IRON	153	482284	131456	1049382	15940946	199228	133768	12240	--	17949304	201909	467780

## STATEMENT NO. 3.2 (CONTD.)

(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
<b>20. KYANITE</b>													
	JHARKHAND	1	--	--	--	--	181	--	--	--	181	--	1109
	MAHARASHTRA	1	--	--	--	--	35	--	--	--	35	226	--
<b>TOTAL : KYANITE</b>		2	--	--	--	--	216	--	--	--	216	226	1109
<b>21. LATERITE</b>													
	KERALA	1	--	--	--	--	7050	--	--	--	7050	38000	--
	RAJASTHAN	1	--	--	91950	60625	--	--	--	--	152575	7561	--
<b>TOTAL : LATERITE</b>		2	--	--	91950	60625	7050	--	--	--	159625	45561	--
<b>22. LIMESTONE</b>													
	ANDAMAN & NICOBAR IS	1	--	7526	--	--	--	--	--	--	7526	9727	84
	ANDHRA PRADESH	64	--	6644	5416566	5102057	240402	50925	--	21600	10838194	506430	269976
	ASSAM	6	--	--	6120	32619	9920	--	--	--	48659	44811	1689
	BIHAR	2	--	--	11130	189705	4769	--	--	--	205604	2960	11983
	CHHATTISGARH	15	--	--	1298347	3576644	141633	35752	--	--	5052376	115209	48220
	GUJARAT	27	--	--	881866	673078	16866	--	--	--	1571810	103732	154554
	HIMACHAL PRADESH	25	3938	5555	1660335	143295	120831	--	--	--	1933954	16705	170959
	JHARKHAND	13	--	196	345152	150922	19008	--	--	--	515278	86467	83659
	JAMMU & KASHMIR	1	--	--	--	30000	--	--	--	--	30000	--	100
	KARNATAKA	30	--	355	2060142	1471263	116801	174	--	11792	3660527	115317	58872
	KERALA	1	--	--	101200	58850	82260	--	--	--	242310	18732	--
	MEGHALAYA	10	--	--	348360	236192	7739	444	--	--	592735	138345	34588
	MADHYA PRADESH	34	--	370	3493531	4550741	73833	20384	--	1580	8140439	810363	387300
	MAHARASHTRA	10	20	--	805350	794474	297182	--	--	3658	1900684	42583	15992
	ORISSA	13	--	--	605140	549677	228180	--	--	--	1382997	586795	2439
	RAJASTHAN	54	--	10222	5652076	4918706	84326	93656	--	--	10758986	251784	278085
	TAMIL NADU	43	--	2033	2356548	2261703	663148	525	--	--	5283957	740084	161352
	UTTARANCHAL	2	--	385	--	3070	427	--	--	--	3882	--	14934
	UTTAR PRADESH	1	--	--	--	627125	494	--	--	--	627619	2665	41033
<b>TOTAL : LIMESTONE</b>		352	3958	33286	25041863	25370121	2107819	201860	--	38630	52797537	3592709	1735819
<b>23. MAGNESITE</b>													
	JHARKHAND	1	--	--	--	--	29	--	--	--	29	--	240
	KARNATAKA	2	--	--	2350	9642	1450	--	--	--	13442	4574	11001
	TAMIL NADU	5	--	708	196247	120133	2279	--	--	--	319367	48294	28917
	UTTARANCHAL	1	--	--	1790	16683	14147	--	--	--	32620	19530	83099
<b>TOTAL : MAGNESITE</b>		9	--	708	200387	146458	17905	--	--	--	365458	72398	123257

## STATEMENT NO. 3.2 (CONTD.)

(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
<b>24. MANGANESE</b>													
	ANDHRA PRADESH	8	--	14	--	12475	10627	--	--	--	23116	--	31672
	GOA	1	--	--	--	--	40	--	--	--	40	--	282
	KARNATAKA	6	--	--	--	1492	25759	--	50400	--	77651	--	186874
	MADHYA PRADESH	12	--	80608	--	44318	157229	--	--	--	282155	462324	35742
	MAHARASHTRA	7	--	--	--	28487	261055	--	--	--	289542	286294	60985
	ORISSA	18	--	872	187618	457965	175330	--	--	--	821785	274	26847
TOTAL : MANGANESE		52	--	81494	187618	544737	630040	--	50400	--	1494289	748892	342402
<b>25. MARBLE</b>													
	GUJARAT	2	--	--	--	1542	3177	--	--	--	4719	1600	27830
	MADHYA PRADESH	3	--	--	--	--	9239	--	--	--	9239	--	1646
	RAJASTHAN	5	--	--	--	37025	8504	3255	--	--	48784	--	4480
TOTAL : MARBLE		10	--	--	--	38567	20920	3255	--	--	62742	1600	33956
<b>26. MICA</b>													
	ANDHRA PRADESH	17	--	25	--	8132	19201	--	--	--	27358	67902	94669
	BIHAR	2	--	301	--	--	1740	--	--	--	2041	--	15165
	JHARKHAND	1	--	246	--	--	--	--	--	--	246	--	1980
TOTAL : MICA		20	--	572	--	8132	20941	--	--	--	29645	67902	111814
<b>27. QUARTZ</b>													
	ANDHRA PRADESH	7	--	--	--	--	12549	--	--	28	12577	20413	500
	CHHATTISGARH	2	--	--	--	--	7066	--	--	--	7066	29773	--
	JHARKHAND	1	--	--	--	--	8050	--	--	--	8050	20140	--
	ORISSA	1	--	--	--	--	1200	--	--	--	1200	6447	--
	RAJASTHAN	1	--	--	--	--	5365	--	--	--	5365	--	7260
	TAMIL NADU	3	--	740	2575	--	918	--	--	299	4532	3335	1683
TOTAL : QUARTZ		15	--	740	2575	--	35148	--	--	327	38790	80108	9443
<b>28. SALT</b>													
	HIMACHAL PRADESH	1	--	--	--	--	92	--	--	--	92	--	447
<b>29. SANDSTONE</b>													
	RAJASTHAN	1	--	--	29115	7475	--	--	--	--	36590	412	109112
	UTTAR PRADESH	1	--	--	--	19443	--	--	--	--	19443	3602	--
TOTAL : SANDSTONE		2	--	--	29115	26918	--	--	--	--	56033	4014	109112

## STATEMENT NO. 3.2 (CONTD.)

(IN KILOGRAMS)

Sl. No.	Mineral / State	No. of Mines Using Explosives	N. G. Based		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
<b>30. SILICA</b>													
	HARYANA	14	2652	12669	462782	7975	11514	--	--	--	497592	36523	304546
	MAHARASHTRA	2	--	582	--	--	312	--	--	--	894	7118	--
	RAJASTHAN	4	--	--	28732	4180	5152	--	--	--	38064	114	6565
	<b>TOTAL : SILICA</b>	20	2652	13251	491514	12155	16978	--	--	--	536550	43755	311111
<b>31. SILLIMANITE</b>													
	MAHARASHTRA	1	--	--	--	--	2600	--	--	--	2600	20800	--
<b>32. STEATITE</b>													
	ANDHRA PRADESH	5	--	1885	3445	--	2800	--	--	--	8130	22600	7200
	BIHAR	1	--	--	--	--	1910	--	--	--	1910	14480	20
	JHARKHAND	1	--	930	--	--	--	--	--	--	930	4640	--
	MADHYA PRADESH	3	--	3537	--	--	6006	--	--	--	9543	41933	9435
	ORISSA	1	--	--	2617	--	--	--	--	--	2617	17450	--
	RAJASTHAN	26	--	3231	798264	171654	80846	1403	--	--	1055398	25641	307617
	UTTAR PRADESH	1	--	--	--	--	8294	--	--	--	8294	39769	640
	<b>TOTAL : STEATITE</b>	38	--	9583	804326	171654	99856	1403	--	--	1086822	166513	324912
<b>33. STONE</b>													
	BIHAR	4	--	965	--	14700	3820	--	--	--	19485	37133	--
	GOA	6	--	100	22900	73550	4292	--	--	--	100842	75203	--
	GUJARAT	4	--	1725	34480	11770	13782	--	--	--	61757	31155	20076
	HARYANA	12	22368	3657	1134107	11825	39216	7607	--	--	1218780	1207695	227889
	JHARKHAND	78	--	21304	1148	9608	151721	--	--	--	183781	529297	26026
	KARNATAKA	1	--	--	--	--	110	--	--	--	110	2102	--
	MAHARASHTRA	11	--	100	9325	216674	45484	--	--	--	271583	92474	30203
	ORISSA	2	--	6703	--	--	185	--	--	--	6888	40957	--
	RAJASTHAN	2	8400	--	6000	12000	--	--	--	--	26400	--	14700
	TAMIL NADU	7	--	4004	42700	66150	38330	--	--	--	151184	148824	156
	WEST BENGAL	14	--	3542	57009	31482	28427	--	--	--	120460	254306	13830
	<b>TOTAL : STONE</b>	141	30768	42100	1307669	447759	325367	7607	--	--	2161270	2419146	332880
<b>34. WOLLASTONITE</b>													
	RAJASTHAN	3	--	--	167949	7276	6743	--	--	--	181968	127124	8964
	<b>TOTAL : METALLIFEROUS</b>	1133	519662	397595	32656916	57942338	6199743	369893	62640	64340	98213127	11425435	4606420

**SECTION – IV**

**ACCIDENT**

## STATEMENT NO. 4.0

### Codes for classification of accidents by cause and place of occurrence

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

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

## STATEMENT NO. 4.1

### Trend in accidents, resultant casualties and rates

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	No. of persons		No. of Accidents	No. of persons S/Injured	Death	Serious
1	2	3	4	5	6	7	8	9
COPPER	2001	1	1	2	8	8	0.25	2.50
	2002	1	1	-	5	6	0.30	1.79
	2003	-	-	-	4	4	-	1.58
	2004	-	-	-	1	1	-	0.49
	2005	-	-	-	4	4	-	2.07
	2006	-	-	-	-	-	-	-
	2007	-	-	-	1	1	-	0.41
	2008	1	1	2	3	3	0.38	1.91
	2009	1	1	-	5	8	0.33	2.61
	2010	-	-	-	3	3	-	1.03
	2011	1	1	0	8	8	0.31	2.44
GALENA	2001	-	-	-	44	44	-	8.44
	2002	1	1	-	23	23	0.22	5.12
	2003	-	-	-	22	22	-	6.24
	2004	3	3	-	30	30	0.79	7.94
	2005	1	1	-	24	24	0.31	7.43
	2006	1	1	-	12	12	0.31	3.66
	2007	1	1	-	14	14	0.30	4.24
	2008	2	4	1	21	22	1.22	7.03
	2009	-	-	-	24	28	-	8.33
	2010	1	1	-	7	7	0.29	2.01
	2011	3	4	4	15	16	1.00	5.01
GOLD	2001	1	1	-	32	32	0.28	8.44
	2002	-	-	-	40	40	-	11.97
	2003	-	-	-	45	45	-	16.38
	2004	-	-	-	35	35	-	12.83
	2005	-	-	-	10	10	-	3.21
	2006	1	1	1	9	9	0.32	3.19
	2007	1	1	-	6	17	0.33	5.55
	2008	-	-	-	9	9	-	2.94
	2009	1	1	-	15	15	0.49	7.40
	2010	-	-	-	11	11	-	3.62
	2011	-	-	-	-	-	-	-
IRON	2001	11	12	-	54	55	0.37	1.7
	2002	10	10	-	60	60	0.3	1.78
	2003	13	14	5	37	37	0.39	1.17
	2004	12	13	1	45	47	0.34	1.24
	2005	15	16	2	34	34	0.43	0.96
	2006	15	21	1	21	21	0.51	0.53

**Statement 4.1(Coninued...)**

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	Killed	No. of persons S/Injured	No. of Accidents	No. of persons S/Injured	Death	Serious
1	2	3	4	5	6	7	8	9
IRON(Contd.....)	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
	2011	4	4	0	19	19	0.08	0.36
LIMESTONE	2001	11	11	-	14	14	0.45	0.58
	2002	10	13	-	8	8	0.52	0.32
	2003	6	8	-	13	13	0.33	0.54
	2004	12	13	1	14	14	0.56	0.65
	2005	7	7	-	9	9	0.27	0.35
	2006	12	15	1	6	6	0.59	0.27
	2007	9	13	2	7	7	0.47	0.32
	2008	9	9	-	3	3	0.32	0.11
	2009	2	2	-	4	4	0.07	0.14
	2010	4	5	-	3	4	0.18	0.14
	2011	4	4	0	5	5	0.14	0.17
MANGANESE	2001	1	1	-	6	6	0.07	0.44
	2002	4	4	-	14	14	0.29	1.02
	2003	1	1	-	11	11	0.08	0.83
	2004	3	3	-	9	9	0.21	0.62
	2005	-	-	-	5	5	-	0.34
	2006	2	2	3	7	8	0.15	0.84
	2007	1	1	-	5	5	0.07	0.37
	2008	3	4	-	2	2	0.30	0.15
	2009	-	-	-	2	2	-	0.15
	2010	2	2	-	-	-	0.14	-
	2011	3	3	1	2	2	0.19	0.19
TOTAL :	2001	62	72	7	178	179	0.53	1.36
METALLIFEROUS	2002	50	62	3	174	175	0.45	1.3
	2003	51	61	16	147	147	0.45	1.19
	2004	55	62	8	150	155	0.43	1.14
	2005	47	51	4	93	94	0.36	0.7
	2006	54	67	9	63	64	0.47	0.51
	2007	53	61	13	63	76	0.42	0.69
	2008	49	67	33	63	65	0.43	0.63
	2009	33	41	3	76	83	0.26	0.54
	2010	50	87	4	45	47	0.53	0.31
	2011	41	47	9	65	67	0.27	0.44

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

Mineral	Year	Fatal Accidents			Serious Accidents		Rates per 1000 persons employed	
		No. of Accidents	Killed	No. of persons S/Injured	No. of Accidents	No. of persons S/Injured	Death	Serious
1	2	3	4	5	6	7	8	9
OIL	2001	9	9	1	21	21	0.37	0.9
	2002	2	2	-	31	31	0.09	1.39
	2003	1	1	-	21	22	0.05	1.13
	2004	2	2	1	38	39	0.10	2.09
	2005	1	1	0	15	15	0.05	0.78
	2006	4	4	0	15	15	0.29	1.08
	2007	3	3	0	16	16	0.16	0.83
	2008	5	6	2	20	20	0.25	0.93
	2009	3	3	0	18	18	0.12	0.72
	2010	4	4	1	16	16	0.14	0.58
	2011	3	3	0	17	17	0.11	0.62
TOTAL : NON-COAL	2001	71	81	8	199	200	0.50	1.29
	2002	52	64	3	205	206	0.40	1.31
	2003	52	62	16	168	169	0.40	1.18
	2004	57	64	9	188	194	0.41	1.25
	2005	48	52	4	108	109	0.32	0.71
	2006	58	71	9	78	79	0.45	0.56
	2007	56	64	13	79	92	0.37	0.61
	2008	54	73	35	83	85	0.41	0.67
	2009	36	44	3	94	101	0.24	0.56
	2010	54	91	5	61	63	0.47	0.35
	2011	44	50	9	82	84	0.25	0.46

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	2001	0.2	2	0.38	-	-	0.25	1.15	7.63	4.45	2.5
	2002	0.3	1.5	0.46	-	-	0.3	0.92	11.9	1.09	1.79
	2003	-	1.58	-	-	-	-	-	8.4	1.77	1.58
	2004	-	0.49	-	-	-	-	-	-	1.5	0.49
	2005	-	2.07	-	-	-	-	-	12.9	-	2.07
	2006	-	-	-	-	-	-	-	-	-	-
	2007	-	0.41	-	-	-	-	0.62	-	-	0.41
	2008	0.38	1.15	-	-	1.36	0.38	0.61	-	5.42	1.91
	2009	0.33	1.63	0.53	-	-	0.33	2.11	15.69	-	2.61
	2010	-	1.03	-	-	-	-	1.77	-	-	1.03
GALENA	2011	0.27	2.15	-	-	0.83	0.31	3.84	-	0.83	2.44
	2001	-	8.44	-	-	-	-	11.55	3.24	6.41	8.44
	2002	0.22	5.12	0.5	-	-	0.22	4.46	7.07	5.46	5.12
	2003	-	6.23	-	-	-	-	8.16	1.66	6.34	6.24
	2004	0.79	7.94	1.79	-	0.49	0.79	18.85	3.26	3.42	7.94
	2005	0.31	7.43	-	-	0.68	0.31	13.46	-	6.75	7.43
	2006	0.31	3.66	0.85	-	-	0.31	5.92	8.77	1.14	3.66
	2007	0.30	4.25	0.87	-	-	0.30	6.10	-	3.95	4.24
	2008	0.61	6.42	0.83	-	1.86	1.22	6.66	-	9.32	7.03
	2009	-	7.14	-	-	-	-	14.14	2.07	5.60	8.33
GOLD	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
	2001	0.28	8.84	0.54	-	-	0.28	13.57	-	4.16	8.84
	2002	-	11.97	-	-	-	-	15.63	-	8.52	11.97
	2003	-	16.38	-	-	-	-	26.67	-	7.79	16.38
	2004	-	12.83	-	-	-	-	16.73	-	9.57	12.83
	2005	-	3.21	-	-	-	-	5.83	-	0.64	3.21
	2006	0.32	2.87	0.63	-	-	0.32	4.39	-	1.3	3.19
	2007	0.33	1.96	0.66	-	-	0.33	9.91	-	1.29	5.55
	2008	-	2.94	-	-	-	-	3.43	-	2.49	2.94
	2009	0.49	7.40	-	-	0.65	0.49	22.04	-	2.62	7.40
	2010	-	3.62	-	-	-	-	3.91	-	3.33	3.62
	2011	-	-	-	-	-	-	-	-	-	-

**Statement 4.2(Continued...)**

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
IRON	2001	0.34	1.67	-	0.38	0.36	0.37	-	1.51	1.96	1.7
	2002	0.03	1.78	-	0.24	0.38	0.3	-	1.17	2.73	1.78
	2003	0.32	0.92	-	0.25	0.57	0.39	-	0.84	1.59	1.17
	2004	0.31	1.17	-	0.22	0.5	0.34	-	1.02	1.55	1.24
	2005	0.04	0.91	-	0.36	0.53	0.43	-	0.54	1.58	0.96
	2006	0.36	0.51	-	0.68	0.28	0.51	-	0.42	0.67	0.53
	2007	0.34	0.53	-	0.29	0.35	0.30	-	0.25	1.04	0.46
	2008	0.25	0.42	-	0.27	0.21	0.25	-	0.39	0.58	0.47
	2009	0.17	0.42	-	0.22	0.10	0.17	-	0.25	0.67	0.42
	2010	0.19	0.19	-	0.34	0.10	0.23	-	0.15	0.24	0.19
	2011	0.08	0.36	-	0.10	0.04	0.08	-	0.48	0.21	0.36
LIMESTONE	2001	0.45	0.58	-	0.44	0.5	0.45	-	0.33	1.34	0.58
	2002	0.4	0.32	-	0.58	0.32	0.52	-	0.21	0.64	0.32
	2003	0.13	0.29	-	0.43	-	0.33	-	0.27	1.38	0.54
	2004	0.52	0.56	-	0.63	0.34	0.57	-	0.37	1.55	0.65
	2005	0.27	0.35	-	0.3	0.17	0.27	-	0.25	0.69	0.35
	2006	0.47	0.23	-	0.65	0.35	0.59	-	0.1	0.88	0.27
	2007	0.32	0.25	-	0.51	0.32	0.47	-	0.23	0.65	0.32
	2008	0.32	0.11	-	0.32	0.31	0.32	-	0.09	0.16	0.11
	2009	0.07	0.14	-	0.09	-	0.07	-	0.14	0.15	0.14
	2010	0.14	0.11	-	0.23	-	0.18	-	0.14	0.16	0.14
	2011	0.14	0.17	-	0.13	0.16	0.14	-	0.18	0.16	0.17
MANGANESE	2001	0.07	0.44	0.4	-	-	0.07	0.8	-	1	0.44
	2002	0.29	1.02	0.39	0.13	0.54	0.29	1.96	0.27	1.88	1.02
	2003	0.05	0.61	0.41	-	-	0.08	1.63	0.14	1.75	0.83
	2004	0.21	0.62	0.33	0.13	0.26	0.21	1.99	-	0.77	0.62
	2005	-	0.34	-	-	-	-	0.71	0.13	0.5	0.34
	2006	0.15	0.53	-	0.29	-	0.15	2.75	0.44	0.27	0.84
	2007	0.07	0.37	-	-	0.25	0.07	1.51	-	0.25	0.37
	2008	0.22	0.15	0.77	0.14	0.26	0.30	-	-	0.52	0.15
	2009	-	0.15	-	-	-	-	0.44	-	0.27	0.15
	2010	0.14	-	0.92	-	-	0.14	-	-	-	-
	2011	0.19	0.13	0.70	0.13	-	0.19	1.05	-	-	0.19

**Statement 4.2(Continued...)**

Mineral	Year	Accident rate per thousand persons employed		Death rate per thousand persons employed				Serious injury rate per thousand persons employed			
		Fatal	Serious	Below-ground	Open-cast	Above-ground	Overall	Below-ground	Open-cast	Above-ground	Overall
1	2	3	4	5	6	7	8	9	10	11	12
TOTAL :	2001	0.46	0.36	0.46	0.63	0.36	0.53	5.57	0.53	1.82	1.36
METALLIFEROUS	2002	0.49	0.29	0.49	0.54	0.28	0.45	5.06	0.53	1.89	1.3
	2003	0.52	0.07	0.52	0.45	0.42	0.45	7.36	0.43	1.56	1.19
	2004	0.62	0.15	0.62	0.47	0.32	0.43	6.7	0.52	1.36	1.14
	2005	0.38	0.68	0.38	0.43	0.23	0.36	3.41	0.3	0.99	0.7
	2006	0.38	0.44	0.38	0.62	0.19	0.47	3.2	0.25	0.55	0.51
	2007	0.35	0.42	0.35	0.48	0.31	0.42	3.51	0.29	0.97	0.69
	2008	0.31	0.40	0.44	0.43	0.42	0.43	1.65	0.24	1.21	0.63
	2009	0.21	0.47	0.61	0.32	0.08	0.26	4.00	0.24	0.91	0.54
	2010	0.31	0.28	0.44	0.71	0.21	0.53	1.44	0.21	0.32	0.31
	2011	0.24	0.38	0.20	0.34	0.15	0.27	2.15	0.32	0.36	0.44
OIL	2001	0.37	0.86	-	-	0.37	0.37	-	-	0.9	0.9
	2002	0.09	1.39	-	-	0.09	0.09	-	-	1.39	1.39
	2003	0.05	1.12	-	-	0.05	0.05	-	-	1.13	1.13
	2004	0.1	1.98	-	-	0.1	0.1	-	-	2.09	2.09
	2005	0.05	0.78	-	-	0.05	0.05	-	-	0.78	0.78
	2006	0.29	1.08	-	-	0.29	0.29	-	-	1.08	1.08
	2007	0.16	0.83	-	-	0.16	0.16	-	-	0.83	0.83
	2008	0.21	0.85	-	-	0.25	0.25	-	-	0.93	0.93
	2009	0.12	0.72	-	-	0.12	0.12	-	-	0.72	0.72
	2010	0.14	0.55	-	-	0.14	0.14	-	-	0.58	0.58
	2011	0.11	0.62	-	-	0.11	0.11	-	-	0.62	0.62
TOTAL :	2001	0.48	1.36	0.52	0.72	0.38	0.55	6.28	0.61	1.57	1.42
NON-COAL	2002	0.33	1.29	0.49	0.54	0.21	0.4	5.06	0.53	1.72	1.31
	2003	0.33	1.07	0.39	0.46	0.31	0.4	7.36	0.43	1.43	1.18
	2004	0.36	1.15	0.62	0.48	0.27	0.41	6.7	0.52	1.59	1.25
	2005	0.29	0.68	0.38	0.43	0.17	0.32	3.41	0.3	0.93	0.71
	2006	0.37	0.50	0.38	0.62	0.21	0.45	3.2	0.25	0.67	0.56
	2007	0.33	0.46	0.35	0.48	0.22	0.37	3.51	0.29	0.70	0.61
	2008	0.30	0.46	0.44	0.43	0.37	0.41	1.65	0.24	1.12	0.67
	2009	0.19	0.51	0.60	0.32	0.09	0.24	4.34	0.19	0.64	0.56
	2010	0.28	0.32	0.44	0.71	0.18	0.47	1.44	0.21	0.41	0.35
	2011	0.22	0.41	0.20	0.34	0.14	0.25	2.15	0.32	0.44	0.46

## STATEMENT NO. 4.3

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

Cause / Year	2006	2007	2008	2009	2010	2011
<b>1. GROUND MOVEMENT</b>						
Fall of Roof	--	1 (1)	2 (3)	4 (5)	--	--
Fall of Side	9 (17)	8 (15)	11 (17)	10 (15)	14 (48)	7 (9)
Other Ground Movement	--	--	--	--	--	--
<b>2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)</b>	--	--	--	--	--	1 (1)
<b>3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)</b>						
Rope Haulage	--	--	--	--	--	--
Wheeled Trackless Transp.	17 (18)	19 (19)	13 (13)	8 (8)	9 (10)	11 (12)
Other Transp. Machinery	2 (2)	6 (6)	2 (2)	1 (1)	3 (3)	--
<b>4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY</b>	5 (5)	7 (7)	4 (6)	3 (3)	5 (5)	10 (10)
<b>5. EXPLOSIVES</b>	3 (3)	2 (2)	2 (10)	1 (3)	3 (3)	4 (7)
<b>6. ELECTRICITY</b>	--	--	2 (3)	--	1 (1)	--
<b>7. GAS, DUST &amp; OTHER COMBUSTIBLE MATERIAL</b>	--	--	2 (3)	1 (1)	--	--
<b>8. FALL (OTHER THAN FALLS OF GROUND)</b>						
Fall of Persons	15 (15)	8 (9)	10 (10)	3 (3)	6 (8)	5 (5)
Fall of Objects	7 (11)	3 (3)	1 (1)	5 (5)	8 (8)	5 (5)
Other Falls	--	--	--	--	1 (1)	--
<b>9. OTHER CAUSES</b>						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	--	--	--	--	1 (1)	1 (1)
Miscellaneous	--	2 (2)	5 (5)	--	3 (3)	--
<b>T O T A L</b>	58 (71)	56 (64)	54 (73)	36 (44)	54 (91)	44 (50)
BELOW GROUND :	3 (3)	3 (3)	3 (4)	4 (5)	4 (4)	2 (2)
OPENCAST :	42 (55)	38 (46)	35 (42)	25 (32)	35 (72)	32 (36)
ABOVE GROUND :	13 (13)	15 (15)	16 (27)	7 (7)	15 (15)	10 (12)

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	2006	2007	2008	2009	2010	2011
<b>1. GROUND MOVEMENT</b>						
Fall of Roof	--	1(1)	1(1)	1(1)	1(1)	2(2)
Fall of Side	2(5)	3(5)	0(7)	0(3)	0(3)	3(4)
Other Ground Movement	--	--	--	--	--	--
<b>2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)</b>	1(2)	2(13)	2(3)	3(6)	2(2)	2(3)
<b>3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)</b>						
Rope Haulage	--	2(2)	1(1)	--	--	--
Wheeled Trackless Transp.	6(10)	3(10)	5(8)	6(9)	2(2)	4(8)
Other Transp. Machinery	6(6)	5(5)	3(3)	5(5)	3(3)	6(6)
<b>4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY</b>	9(9)	17(21)	10(12)	13(14)	10(10)	15(15)
<b>5. EXPLOSIVES</b>	--	1(2)	1(21)	1(1)	1(3)	0(4)
<b>6. ELECTRICITY</b>	1(1)	1(1)	1(3)	3(3)	2(2)	3(4)
<b>7. GAS, DUST &amp; OTHER COMBUSTIBLE MATERIAL</b>	--	1(1)	1(1)	--	2(2)	--
<b>8. FALL (OTHER THAN FALLS OF GROUND)</b>						
Fall of Persons	20(21)	14(15)	17(17)	13(13)	13(13)	22(22)
Fall of Objects	17(18)	9(9)	20(20)	26(26)	16(18)	18(18)
Other Falls	1(1)	--	2(2)	--	2(2)	1(1)
<b>9. OTHER CAUSES</b>						
Irruption of Water	--	--	--	--	--	--
Flying Pieces	1(1)	--	--	--	1(1)	--
Miscellaneous	14(14)	20(20)	19(21)	23(23)	6(6)	6(6)
<b>T O T A L</b>	78(88)	79(105)	83(120)	94(104)	61(68)	82(93)
<b>B E L O W   G R O U N D   :</b>	24(26)	19(30)	14(15)	33(36)	12(13)	21(22)
<b>O P E N C A S T   :</b>	13(21)	14(28)	13(23)	13(19)	16(21)	31(35)
<b>A B O V E   G R O U N D   :</b>	41(41)	46(47)	56(82)	48(49)	33(34)	30(36)

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	2005	2006	2007	2008	2009	2010	2011
1.	Overwinding of cages, Skip of bucket	-	-	-	-	1	-	-
2.	Outbreak of fire-underground	-	-	-	-	-	-	-
3.	Outbreak of fire on surface	7	-	-	-	1	2	1
4.	Premature collapse of workings or failure of pillars	-	-	-	-	-	-	-
5.	Breakage of winding rope	-	-	-	-	-	-	-
6.	Breakdown of winding engine, crank shaft, bearing, etc.	-	-	-	1	-	-	-
7.	Ignition or occurrence of inflammable gas	-	2	-	-	-	-	-
8.	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons were endangered	2	3	2	1	-	-	-
9.	Rock burst	-	-	-	-	-	-	-
10.	Irruption of water	1	1	1	-	-	-	1
11.	Bursting of high-pressure equipment	-	-	-	-	-	-	-
12.	Oil well blow out without fire	-	1	3	1	2	-	-
13.	Others	7	1	2	1	4	2	4
<b>TOTAL</b>		<b>17</b>	<b>8</b>	<b>8</b>	<b>4</b>	<b>8</b>	<b>4</b>	<b>6</b>

## STATEMENT NO. 4.6a

### Accidents and placewise casualties in non-coal mines by state-district wise in 2011

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
		Fatal	Serious	Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Total
				Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1. OIL</b>															
ASSAM															
	Dibrugarh	0	7	0	0	0	0	0	0	0	0	0	7	0	7
	Sibsagar	0	4	0	0	0	0	0	0	0	0	0	4	0	4
	Tinsukia	1	1	0	0	0	1	0	1	0	0	0	1	0	1
	<b>TOTAL : ASSAM</b>	<b>1</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>12</b>
GUJARAT															
	Bharuch	1	0	0	0	0	1	0	1	0	0	0	0	0	0
	Mehasana	1	2	0	0	0	1	0	1	0	0	0	2	0	2
	<b>TOTAL : GUJARAT</b>	<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>2</b>
RAJASTHAN															
	Barmer	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	<b>TOTAL : RAJASTHAN</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
TAMIL NADU															
	Thanjavur	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	<b>TOTAL : TAMIL NADU</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
TRIPURA															
	West Tripura	0	1	0	0	0	0	0	0	0	0	0	1	0	1
	<b>TOTAL : TRIPURA</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>
<b>ALL INDIA : OIL</b>		<b>3</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>17</b>

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground
		Fatal	Serious	Male	Male	Male	Female	Male	Female	Male	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>2. APATITE &amp; ROCK PHOSPHATE</b>															
MADHYA PRADESH															
Tikamgarh		1	0	0	0	1	0	0	1	0	0	0	0	0	0
TOTAL : MADHYA PRADESH		1	0	0	0	1	0	0	1	0	0	0	0	0	0
RAJASTHAN															
Udaipur		0	4	0	0	0	0	0	0	0	3	0	1	0	4
TOTAL : RAJASTHAN		0	4	0	0	0	0	0	0	0	3	0	1	0	4
ALL INDIA : APATITE & ROCK PHOSPHATE															
1	4	0	0	1	0	0	0	1	0	3	0	1	0	0	4
<b>3. BARYTES</b>															
ANDHRA PRADESH															
Cuddapah		1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL : ANDHRA PRADESH		1	0	0	1	0	0	0	1	0	0	0	0	0	0
ALL INDIA : BARYTES															
1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0
<b>4. BAUXITE</b>															
MAHARASHTRA															
Kolhapur		1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL : MAHARASHTRA		1	0	0	1	0	0	0	1	0	0	0	0	0	0
ALL INDIA : BAUXITE															
1	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
		Fatal	Serious	Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Total
				Male	Female	Male	Female	Male	Female		Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>5. CHROMITE</b>															
ORISSA															
Keonjhar		0	2	0	0	0	0	0	0	1	1	0	0	0	2
TOTAL : ORISSA		0	2	0	0	0	0	0	0	1	1	0	0	0	2
ALL INDIA : CHROMITE		0	2	0	0	0	0	0	0	1	1	0	0	0	2
<b>6. COPPER</b>															
JHARKHAND															
West Singhbhum		0	3	0	0	0	0	0	0	2	0	0	1	0	3
TOTAL : JHARKHAND		0	3	0	0	0	0	0	0	2	0	0	1	0	3
RAJASTHAN															
Jhunjhunu		1	5	0	0	0	1	0	1	5	0	0	0	0	5
TOTAL : RAJASTHAN		1	5	0	0	0	1	0	1	5	0	0	0	0	5
ALL INDIA : COPPER		1	8	0	0	0	1	0	1	7	0	0	1	0	8
<b>7. GALENA &amp; SPHALARITE</b>															
RAJASTHAN															
Bhilwara		2	2	0	1	0	2	0	3	0	1	0	5	0	6
Udaipur		0	8	0	0	0	0	0	0	3	0	0	6	0	9
Rajsamand		1	5	0	0	0	1	0	1	4	0	0	1	0	5
TOTAL : RAJASTHAN		3	15	0	1	0	3	0	4	7	1	0	12	0	20
ALL INDIA : GALENA & SPHALARITE		3	15	0	1	0	3	0	4	7	1	0	12	0	20

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>8. GRANITE</b>															
ANDHRA PRADESH															
Karimnagar		2	0	0	2	0	0	0	2	0	0	0	0	0	0
Prakasham		4	2	0	4	0	0	0	4	0	2	0	0	0	2
TOTAL : ANDHRA PRADESH		6	2	0	6	0	0	0	6	0	2	0	0	0	2
KARNATAKA															
KOPPAL		2	0	0	1	0	1	0	2	0	0	0	0	0	0
TOTAL : KARNATAKA		2	0	0	1	0	1	0	2	0	0	0	0	0	0
TAMIL NADU															
Vellore		1	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL : TAMIL NADU		1	0	0	2	0	0	0	2	0	0	0	0	0	0
ALL INDIA : GRANITE		9	2	0	9	0	1	0	10	0	2	0	0	0	2
<b>9. GRAPHITE</b>															
ORISSA															
Bolangir		0	1	0	0	0	0	0	0	0	0	1	0	0	1
TOTAL : ORISSA		0	1	0	0	0	0	0	0	0	0	1	0	0	1
ALL INDIA : GRAPHITE		0	1	0	0	0	0	0	0	0	0	1	0	0	1
<b>10. IRON</b>															
CHHATTISGARH															
Durg		1	2	0	0	0	1	0	1	0	1	0	1	0	2
Dantewara		0	4	0	0	0	0	0	0	0	2	0	2	0	4
TOTAL : CHHATTISGARH		1	6	0	0	0	1	0	1	0	3	0	3	0	6

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
	GOA														
	South Goa	1	1	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL : GOA		1	1	0	1	0	0	0	1	0	1	0	0	0	1
	JHARKHAND														
	West Singhbhum	0	3	0	0	0	0	0	0	0	3	0	0	0	3
TOTAL : JHARKHAND		0	3	0	0	0	0	0	0	0	3	0	0	0	3
	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	7	0	0	0	0	0	0	0	6	0	1	0	7
	Sundergarh	1	1	0	1	0	0	0	1	0	1	0	0	0	1
TOTAL : ORISSA		1	8	0	1	0	0	0	1	0	7	0	1	0	8
ALL INDIA : IRON		4	19	0	3	0	1	0	4	0	14	0	5	0	19
11. LIMESTONE															
	ANDHRA PRADESH														
	Cuddapah	1	1	0	0	0	1	0	1	0	1	0	0	0	1
	Guntur	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Krishna	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL : ANDHRA PRADESH		2	2	0	1	0	1	0	2	0	2	0	0	0	2
	CHHATTISGARH														
	Raipur	0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL : CHHATTISGARH		0	1	0	0	0	0	0	0	0	1	0	0	0	1

**Statement 4.6a (continued)**

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

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>MAHARASHTRA</b>															
	Bhandara	1	0	1	0	0	0	0	1	1	0	0	0	0	1
	Nagpur	1	1	0	1	0	0	0	1	1	0	0	0	0	1
	TOTAL : MAHARASHTRA	2	1	1	1	0	0	0	2	2	0	0	0	0	2
<b>ALL INDIA : MANGANESE</b>															
14. MARBLE		3	2	2	1	0	0	0	3	3	0	0	0	0	3
<b>RAJASTHAN</b>															
	Nagaur	5	0	0	5	0	0	0	5	0	0	0	0	0	0
	Udaipur	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Rajsamand	2	0	0	2	0	0	0	2	0	0	0	0	0	0
	TOTAL : RAJASTHAN	8	0	0	8	0	0	0	8	0	0	0	0	0	0
<b>ALL INDIA : MARBLE</b>															
15. SANDSTONE		8	0	0	8	0	0	0	8	0	0	0	0	0	0
<b>ANDHRA PRADESH</b>															
	Srikakulam	0	1	0	0	0	0	0	0	0	1	0	0	0	1
	TOTAL : ANDHRA PRADESH	0	1	0	0	0	0	0	0	0	1	0	0	0	1
<b>ALL INDIA : SANDSTONE</b>															
		0	1	0	0	0	0	0	0	0	1	0	0	0	1

**Statement 4.6a (continued)**

Sl. No.	Mineral/State/District	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured					
				Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground
		Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	Female	Male	Female	Male
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>16. STEATITE</b>															
RAJASTHAN															
Pratapgarh		0	1	0	0	0	0	0	0	0	2	0	0	0	2
TOTAL : RAJASTHAN		0	1	0	0	0	0	0	0	0	2	0	0	0	2
ALL INDIA : STEATITE															
<b>17. STONE</b>															
ANDHRA PRADESH															
Warangal		1	0	0	2	0	0	0	2	0	3	0	0	0	3
TOTAL : ANDHRA PRADESH		1	0	0	2	0	0	0	2	0	3	0	0	0	3
JHARKHAND															
Koderma		1	0	0	2	0	0	0	2	0	0	0	0	0	0
Pakur		1	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL : JHARKHAND		2	0	0	4	0	0	0	4	0	0	0	0	0	0
RAJASTHAN															
Jaipur		1	0	0	1	0	0	0	1	0	0	0	0	0	0
Dausa		1	0	0	1	0	0	0	1	0	0	0	0	0	0
TOTAL : RAJASTHAN		2	0	0	2	0	0	0	2	0	0	0	0	0	0
WEST BENGAL															
Birbhum		1	0	0	0	0	2	0	2	0	0	0	1	0	1
TOTAL : WEST BENGAL		1	0	0	0	0	2	0	2	0	0	0	1	0	1
ALL INDIA : STONE															
6	0	0	8	0	2	0	10	0	3	0	1	0	1	0	4

**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		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
<b>18. ATOMIC MINERAL</b>															
ANDHRA PRADESH															
Cuddapah		0	1	0	0	0	0	0	0	0	1	0	0	0	1
TOTAL : ANDHRA PRADESH		0	1	0	0	0	0	0	0	0	1	0	0	0	1
JHARKHAND															
West Singhbhum		0	3	0	0	0	0	0	0	3	0	0	0	0	3
TOTAL : JHARKHAND		0	3	0	0	0	0	0	0	3	0	0	0	0	3
ALL INDIA : ATOMIC MINERAL		0	4	0	0	0	0	0	0	3	1	0	0	0	4
ALL INDIA : ALL NON-COAL MINERALS															
		44	82	2	35	1	12	0	50	21	33	1	38	0	93

## STATEMENT NO. 4.6b

### Placewise casualty rates by state-district wise in 2011

SI. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B.G.	O.C.	A.G.	Overall	B.G.	O.C.	A.G.	Overall
1	2	3	4	5	6	7	8	9	10
<b>1. OIL</b>									
	ASSAM								
	Dibrugarh	...	...	...	...	...	...	1.32	1.32
	Sibsagar	...	...	...	...	...	...	1.05	1.05
	Tinsukia	.....				Employment figures not available			
	TOTAL : ASSAM	...	...	0.11	0.11	...	...	1.27	1.27
	GUJARAT								
	Bharuch	...	...	0.21	0.21	...	...	...	...
	Mehasana	...	...	0.28	0.28	...	...	0.57	0.57
	TOTAL : GUJARAT	...	...	0.16	0.16	...	...	0.16	0.16
	RAJASTHAN								
	Barmer	...	...	...	...	...	...	1.65	1.65
	TOTAL : RAJASTHAN	...	...	...	...	...	...	1.10	1.10
	TAMIL NADU								
	Thanjavur	...	...	...	...	...	...	1.88	1.88
	TOTAL : TAMIL NADU	...	...	...	...	...	...	1.17	1.17
	TRIPURA								
	West Tripura	...	...	...	...	...	...	0.94	0.94
	TOTAL : TRIPURA	...	...	...	...	...	...	0.94	0.94
	ALL INDIA : OIL	...	...	0.11	0.11	...	...	0.62	0.62
<b>2. APATITE &amp; ROCK PHOSPHATE</b>									
	MADHYA PRADESH								
	Tikamgarh	...	25.64	...	23.81	...	...	...	...
	TOTAL : MADHYA PRADESH	...	4.85	...	4.74	...	...	...	...
	RAJASTHAN								
	Udaipur	...	...	...	...	...	3.19	2.22	2.88
	TOTAL : RAJASTHAN	...	...	...	...	...	3.19	2.22	2.88
	ALL INDIA : APATITE & ROCK PHOSPHATE	...	0.80	...	0.48	...	2.40	1.38	1.94
<b>3. BARYTES</b>									
	ANDHRA PRADESH								
	Cuddapah	...	3.16	...	1.89	...	...	...	...
	TOTAL : ANDHRA PRADESH	...	2.90	...	1.78	...	...	...	...
	ALL INDIA : BARYTES	...	2.81	...	1.68	...	...	...	...

**Statement 4.6b (continued)**

SI. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall
1	2	3	4	5	6	7	8	9	10
<b>4. BAUXITE</b>									
MAHARASHTRA									
Kolhapur		...	2.97	...	2.69	...	...	...	...
TOTAL : MAHARASHTRA		...	1.56	...	1.46	...	...	...	...
ALL INDIA : BAUXITE		...	0.17	...	0.15	...	...	...	...
<b>5. CHROMITE</b>									
ORISSA									
Keonjhar		...	...	...	...	0.92	200.00	...	0.98
TOTAL : ORISSA		...	...	...	...	0.77	0.29	...	0.23
ALL INDIA : CHROMITE		...	...	...	...	0.74	0.28	...	0.22
<b>6. COPPER</b>									
JHARKHAND									
West Singhbhum		...	...	...	...	1.81	...	2.33	1.96
TOTAL : JHARKHAND		...	...	...	...	1.81	...	2.33	1.96
RAJASTHAN									
Jhunjhunu		...	...	1.59	0.74	6.93	...	...	3.71
TOTAL : RAJASTHAN		...	...	1.59	0.74	6.93	...	...	3.71
ALL INDIA : COPPER		...	...	0.83	0.31	3.84	...	0.83	2.44
<b>7. GALENA &amp; SPHALARITE</b>									
RAJASTHAN									
Bhilwara		...	1.41	2.00	1.76	...	1.41	5.00	3.51
Udaipur		...	...	...	...	5.07	...	10.08	7.58
Rajsamand		...	...	3.03	0.96	5.60	...	3.03	4.79
TOTAL : RAJASTHAN		...	1.41	1.55	1.01	5.36	1.41	6.18	5.06
ALL INDIA : GALENA & SPHALARITE		...	1.41	1.52	1.00	5.32	1.41	6.09	5.01
<b>8. GRANITE</b>									
ANDHRA PRADESH									
Karimnagar		...	14.08	...	12.90	...	...	...	...
Prakasham		...	1.24	...	0.86	...	0.62	...	0.43
TOTAL : ANDHRA PRADESH		...	1.60	...	1.15	...	0.53	...	0.38
KARNATAKA									
KOPPAL		...	25.00	26.32	25.64	...	...	...	...
TOTAL : KARNATAKA		...	0.94	4.20	1.54	...	...	...	...

**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
<b>TAMIL NADU</b>									
	Vellore	...	12.99	...	11.56	...	...	...	...
	TOTAL : TAMIL NADU	...	0.75	...	0.65	...	...	...	...
<b>ALL INDIA : GRANITE</b>									
		...	1.12	0.43	0.96	...	0.25	...	0.19
<b>9. GRAPHITE</b>									
ORISSA									
	Bolangir	...	...	...	...	...	8.85	...	8.33
	TOTAL : ORISSA	...	...	...	...	...	4.72	...	4.48
<b>ALL INDIA : GRAPHITE</b>									
		...	...	...	...	...	3.21	...	3.07
<b>10. IRON</b>									
CHHATTISGARH									
	Durg	...	...	0.62	0.36	...	0.83	0.62	0.71
	Dantewara	...	...	...	...	...	2.77	1.68	2.09
	TOTAL : CHHATTISGARH	...	...	0.33	0.18	...	1.24	0.99	1.10
GOA									
	South Goa	...	0.37	...	0.29	...	0.37	...	0.29
	TOTAL : GOA	...	0.21	...	0.14	...	0.21	...	0.14
JHARKHAND									
	West Singhbhum	...	...	...	...	...	1.26	...	0.29
	TOTAL : JHARKHAND	...	...	...	...	...	1.26	...	0.29
KARNATAKA									
	Bellary	...	0.23	...	0.16	...	...	0.58	0.16
	TOTAL : KARNATAKA	...	0.17	...	0.13	...	...	0.52	0.13
ORISSA									
	Keonjhar	...	...	...	...	...	0.76	0.15	0.48
	Sundergarh	...	0.29	...	0.20	...	0.29	...	0.20
	TOTAL : ORISSA	...	0.08	...	0.05	...	0.57	0.12	0.38
<b>ALL INDIA : IRON</b>									
		...	0.10	0.04	0.08	...	0.48	0.21	0.36
<b>11. LIMESTONE</b>									
ANDHRA PRADESH									
	Cuddapah	...	...	14.71	4.74	...	6.99	...	4.74
	Guntur	...	5.62	...	3.77	...	...	...	...
	Krishna	...	...	...	...	...	5.29	...	2.87
	TOTAL : ANDHRA PRADESH	...	0.51	1.37	0.74	...	1.02	...	0.74

**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
CHHATTISGARH									
	Raipur	...	...	...	...	...	1.76	...	1.34
TOTAL : CHHATTISGARH		...	...	...	...	...	1.14	...	0.93
MADHYA PRADESH									
	Rewa	...	...	...	...	...	3.46	...	2.98
TOTAL : MADHYA PRADESH		...	...	...	...	...	0.36	...	0.25
RAJASTHAN									
	Chittorgarh	...	4.03	...	2.75	...	...	...	...
	Pali	...	...	...	...	...	...	37.04	2.05
TOTAL : RAJASTHAN		...	0.13	...	0.11	...	...	0.97	0.11
TAMIL NADU									
	Virudhunagar	...	22.73	...	19.61	...	...	...	...
TOTAL : TAMIL NADU		...	0.65	...	0.55	...	...	...	...
ALL INDIA : LIMESTONE		...	0.13	0.16	0.14	...	0.18	0.16	0.17
12. MAGNESITE									
TAMIL NADU									
	Salem	...	...	...	...	...	0.53	...	0.52
TOTAL : TAMIL NADU		...	...	...	...	...	0.53	...	0.52
ALL INDIA : MAGNESITE		...	...	...	...	...	0.45	...	0.43
13. MANGANESE									
MADHYA PRADESH									
	Balaghat	0.51	...	...	0.27	0.51	...	...	0.27
TOTAL : MADHYA PRADESH		0.51	...	...	0.24	0.51	...	...	0.24
MAHARASHTRA									
	Bhandara	2.59	...	...	0.59	2.59	...	...	0.59
	Nagpur	...	1.99	...	0.71	1.93	...	...	0.71
TOTAL : MAHARASHTRA		1.11	0.71	...	0.65	2.21	...	...	0.65
ALL INDIA : MANGANESE		0.70	0.13	...	0.19	1.05	...	...	0.19
14. MARBLE									
RAJASTHAN									
	Nagaur	.....	Employment figures not available				.....	.....	
	Udaipur	.....	Employment figures not available				.....	.....	
	Rajsamand	...	2.07	...	1.68	...	...	...	...
TOTAL : RAJASTHAN		...	6.69	...	5.27	...	...	...	...
ALL INDIA : MARBLE		...	5.24	...	4.14	...	...	...	...

**Statement 4.6b (continued)**

Sl. No.	Mineral/State/District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed			
		B.G.	O.C.	A.G.	Overall	B.G.	O.C.	A.G.	Overall
1	2	3	4	5	6	7	8	9	10
<b>15. SANDSTONE</b>									
ANDHRA PRADESH									
Srikakulam		...	...	...	...	...	9.80	...	2.21
TOTAL : ANDHRA PRADESH		...	...	...	...	...	9.80	...	2.21
ALL INDIA : SANDSTONE		...	...	...	...	...	2.82	...	1.35
<b>16. STEATITE</b>									
RAJASTHAN									
Pratapgarh		...	...	...	...	...	15.27	...	14.39
TOTAL : RAJASTHAN		...	...	...	...	...	1.04	...	0.75
ALL INDIA : STEATITE		...	...	...	...	...	0.54	...	0.41
<b>17. STONE</b>									
ANDHRA PRADESH									
Warangal		.....				Employment figures not available			
TOTAL : ANDHRA PRADESH		...	27.03	...	25.64	...	40.54	...	38.46
JHARKHAND									
Koderma		...	57.14	...	33.90	...	...	...	...
Pakur		...	3.72	...	1.77	...	...	...	...
TOTAL : JHARKHAND		...	3.93	...	1.92	...	...	...	...
RAJASTHAN									
Jaipur		...	16.67	...	7.41	...	...	...	...
Dausa		...	24.39	...	16.67	...	...	...	...
TOTAL : RAJASTHAN		...	17.39	...	9.30	...	...	...	...
WEST BENGAL									
Birbhum		...	...	6.17	2.82	...	...	3.09	1.41
TOTAL : WEST BENGAL		...	...	5.67	2.64	...	...	2.83	1.32
ALL INDIA : STONE		...	1.62	0.94	1.42	...	0.61	0.47	0.57
<b>18. ATOMIC MINERAL</b>									
ANDHRA PRADESH									
Cuddapah		.....				Employment figures not available			
TOTAL : ANDHRA PRADESH		.....				Employment figures not available			
JHARKHAND									
West Singhbhum		.....				Employment figures not available			
TOTAL : JHARKHAND		.....				Employment figures not available			
ALL INDIA : ATOMIC MINERAL		.....				Employment figures not available			
ALL INDIA : ALL NON-COAL MINERALS		0.20	0.34	0.14	0.25	2.15	0.32	0.44	0.46

## STATEMENT NO. 4.7

### Number of accidents and casualties/seriously injured persons in non-coal mines by place and detailed cause in 2011

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident				
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Galena & Sphalarite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Manganese	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Fall of Roof	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Apatite & Rock Phosphate	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	2	3	0	1	1	0	0	0	0	0	2	3	0	1	1
Manganese	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1
Stone	0	0	0	0	0	2	3	0	0	0	0	0	0	0	0	2	3	0	0	0
TOTAL : Fall of Sides (Other than Overhangs)	0	0	0	1	1	6	8	0	1	1	0	0	0	0	0	6	8	0	2	2
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Steatite	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2
TOTAL : Fall of Overhangs	0	0	0	0	0	1	1	0	1	2	0	0	0	0	0	1	1	0	1	2
TOTAL : GROUND MOVEMENT	0	0	0	3	3	7	9	0	2	3	0	0	0	0	0	7	9	0	5	6
Magnesite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Breakage of Rope, Chain, Craw/Suspns. Gear	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Manganese	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
TOTAL : Falls of Persons from Cages, Skip etc.	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Hit by Cages, Skip etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : TRANSPORTATION MACHINERY (WINDING)	1	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	2	2

**Statement 4.7 (continued)**

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident				
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Other Rail Transportation	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	3	3	0	0	0	0	0	0	0	0	3	3
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Conveyors	0	0	0	1	1	0	0	0	3	3	0	0	0	0	0	0	0	0	4	4
Apatite & Rock Phosphate	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Barytes	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Copper	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Galena & Sphalerite	0	0	0	0	0	0	0	0	0	0	1	2	4	0	0	1	2	4	0	0
Granite	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	2	2	0	1	1
Iron	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
Limestone	0	0	0	0	0	1	1	0	1	1	1	1	0	0	0	2	2	0	1	1
TOTAL : Dumpers	0	0	0	0	0	5	5	0	3	3	4	5	4	0	0	9	10	4	3	3
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Wagon Movements	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Bauxite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Stone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Wheeled Trackless (Truck, Tanker, etc.)	0	0	0	0	0	2	2	0	1	1	0	0	0	0	0	2	2	0	1	1
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	0	0	0	2	2	7	7	0	8	8	4	5	4	0	0	11	12	4	10	10
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Galena & Sphalerite	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	2	2
Iron	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Atomic Mineral	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Drilling Machines	0	0	0	1	1	1	1	0	2	2	0	0	0	2	2	1	1	0	5	5

**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	
TOTAL : Cutting Machines	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Copper	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Granite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL : Loading Machines	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Chromite	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Granite	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	2	2	0	0	
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Shovel, Draglines, Frontend Loader, etc.	0	0	0	1	1	2	2	0	1	1	0	0	0	0	0	0	2	2	0	2	2
Galena & Sphalarite	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Iron	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0	2	2	0	0	0
Marble	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Atomic Mineral	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : Other Heavy Earth Moving Machinery	0	0	0	1	1	3	3	0	0	0	1	1	0	0	0	4	4	0	1	1	
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	
Copper	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
Granite	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	2	2	0	0	0
Iron	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2	
TOTAL : Other Non-Transportation Machinery	0	0	0	2	2	2	2	0	1	1	0	0	0	2	2	2	2	0	5	5	
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	0	0	0	7	7	9	9	0	4	4	1	1	0	4	4	10	10	0	15	15	
Stone	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0	
TOTAL : Deep Hole Blasting Projectiles	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0	
Stone	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	2	1	0	0	
TOTAL : Other Projectiles	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	1	2	1	0	0	

**Statement 4.7 (continued)**

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident				
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Stone	0	0	0	0	0	1	2	3	0	0	0	0	0	0	0	1	2	3	0	0
TOTAL : Misfire/Socket(Other than Drilling into)	0	0	0	0	0	1	2	3	0	0	0	0	0	0	0	1	2	3	0	0
Limestone	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : Other Explosive Accidents	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : EXPLOSIVES	0	0	0	0	0	3	5	3	0	0	1	2	1	0	0	4	7	4	0	0
Galena & Sphalarite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2
TOTAL : Switch Gears, Gate End Boxes, Pommel, etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	1	2
Galena & Sphalarite	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Sandstone	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
TOTAL : Other Electrical Accidents	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2
TOTAL : ELECTRICITY	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	3	0	0	0	3
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	2	2	1	1	0	2	2
Apatite & Rock Phosphate	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Chromite	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1
Copper	0	0	0	3	3	0	0	0	0	0	0	0	0	0	1	1	0	0	0	4
Galena & Sphalarite	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0	4	4
Iron	0	0	0	0	0	0	0	0	0	2	2	0	0	0	1	1	0	0	0	3
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2
Manganese	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Marble	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2	0	0	0
TOTAL : Fall of Person from Height/into Depth	1	1	0	5	5	2	2	0	4	4	1	1	0	8	8	4	4	0	17	17
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Graphite	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Iron	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	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
TOTAL : Fall of Persons on the Same Level	0	0	0	0	0	1	1	0	3	3	0	0	0	2	2	1	1	0	5	5

**Statement 4.7 (continued)**

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident				
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	6	6	1	1	0	6	6
Apatite & Rock Phosphate	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Galena & Sphalarite	0	0	0	2	2	0	0	0	0	0	1	1	0	3	3	1	1	0	5	5
Iron	0	0	0	0	0	0	0	0	3	3	0	0	0	1	1	0	0	0	4	4
Marble	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	3	3	0	0	0
Atomic Mineral	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
TOTAL : Fall of Objects incl. Rolling Objects	0	0	0	4	4	3	3	0	6	6	2	2	0	8	8	5	5	0	18	18
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : Other Accidents due to Falls	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	1	1	0	9	9	6	6	0	13	13	3	3	0	19	19	10	10	0	41	41
Oil	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
TOTAL : Flying Pieces(Except due to Explosives)	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
TOTAL : Bursting/Leakage of Oil Pipe Lines	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2
Oil	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Apatite & Rock Phosphate	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
Iron	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Limestone	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1
TOTAL : Unclassified	0	0	0	0	0	0	0	0	2	2	0	0	0	2	2	0	0	0	4	4
TOTAL : OTHER CAUSES	0	0	0	0	0	0	0	0	2	2	1	1	0	4	4	1	1	0	6	6
ALL INDIA : ALL NON-COAL MINERALS	2	2	1	20	20	32	36	3	30	31	10	12	5	32	33	44	50	9	82	84

## STATEMENT NO. 4.8

### Fatal accidents and casualties in non-coal mines by broad causes in 2011

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Sides	--	--	--	--	--	--	1	2	4	7
Killed-Injr :	--	--	--	--	--	--	1- 0	3- 0	5- 0	9- 0
Dumpers	--	1	1	--	2	2	--	--	3	9
Killed-Injr :	--	1- 0	2- 4	--	2- 0	2- 0	--	--	3- 0	10- 4
Trucks	--	--	--	--	--	--	--	1	1	2
Killed-Injr :	--	--	--	--	--	--	--	1- 0	1- 0	2- 0
Other Machinery	--	--	1	--	2	1	1	--	6	11
Killed-Injr :	--	--	1- 0	--	2- 0	1- 0	1- 1	--	6- 0	11- 1
Explosives	--	--	--	--	--	1	--	3	--	4
Killed-Injr :	--	--	--	--	--	1- 0	--	6- 4	--	7- 4
Fall of Persons	1	--	--	--	--	--	1	--	3	5
Killed-Injr :	1- 0	--	--	--	--	--	1- 0	--	3- 0	5- 0
Fall of Objects	1	--	1	--	--	--	--	--	3	5
Killed-Injr :	1- 0	--	1- 0	--	--	--	--	--	3- 0	5- 0
Other Causes	1	--	--	--	--	--	--	--	--	1
Killed-Injr :	1- 0	--	--	--	--	--	--	--	--	1- 0
Below Ground	--	--	--	--	--	--	2	--	--	2
Killed-Injr :	--	--	--	--	--	--	2- 1	--	--	2- 1
Opencast	--	--	1	--	3	3	1	5	19	32
Killed-Injr :	--	--	1- 0	--	3- 0	3- 0	1- 0	8- 3	20- 0	36- 3
Above Ground	3	1	2	--	1	1	--	1	1	10
Killed-Injr :	3- 0	1- 0	3- 4	--	1- 0	1- 0	--	2- 1	1- 0	12- 5
TOTAL	3	1	3	--	4	4	3	6	20	44
Killed-Injr :	3- 0	1- 0	4- 4	--	4- 0	4- 0	3- 1	10- 4	21- 0	50- 9

□

### STATEMENT NO. 4.9

#### Serious accidents and seriously injured persons in non-coal mines by broad causes in 2011

Cause/Mineral	Oil	Copper	Galena	Gold	Iron	L/Stone	Manganese	Stone	Others	Total
Fall of Roof	--	--	1	--	--	--	1	--	--	2
Injured :	--	--	1	--	--	--	1	--	--	2
Fall of Sides	--	--	--	--	--	--	1	--	2	3
Injured :	--	--	--	--	--	--	1	--	3	4
Dumpers	--	--	--	--	--	1	--	--	2	3
Injured :	--	--	--	--	--	1	--	--	2	3
Trucks	--	--	--	--	1	--	--	--	--	1
Injured :	--	--	--	--	1	--	--	--	--	1
Other Machinery	3	4	3	--	8	1	--	--	4	23
Injured :	3	4	3	--	8	1	--	--	4	23
Fall of Persons	4	4	4	--	5	2	--	--	3	22
Injured :	4	4	4	--	5	2	--	--	3	22
Fall of Objects	6	--	5	--	4	--	--	--	3	18
Injured :	6	--	5	--	4	--	--	--	3	18
Other Causes	4	--	2	--	1	1	--	--	2	10
Injured :	4	--	3	--	1	1	--	--	2	11
Below Ground	--	7	7	--	--	1	2	--	4	21
Injured :	--	7	7	--	--	1	2	--	4	21
Opencast	--	--	3	--	14	3	--	--	11	31
Injured :	--	--	3	--	14	3	--	--	12	32
Above Ground	17	1	5	--	5	1	--	--	1	30
Injured :	17	1	6	--	5	1	--	--	1	31
TOTAL	17	8	15	--	19	5	2	--	16	82
Injured :	17	8	16	--	19	5	2	--	17	84

□

**STATEMENT NO. 4.10**  
**Regionwise/Zonewise accidents in non-coal mines in 2011**

Region / Zone	Fatal Accidents			Serious Accidents	
	Accident	Killed	Injured	Accident	Injured
Koderma	1	2	--	--	--
Central Zone	1	2	--	--	--
Guwahati	1	1	--	13	13
Sitarampur II	1	2	1	--	--
Sitarampur III	1	2	--	--	--
Eastern Zone	3	5	1	13	13
Ahmedabad	1	1	--	2	2
Udaipur	6	6	--	18	20
North-Western Zone	7	7	--	20	22
Ajmer	10	11	4	9	9
Northern Zone	10	11	4	9	9
Goa	2	2	--	1	1
Hyderabad I	9	10	3	5	5
Hyderabad II	2	2	--	--	--
South-Central Zone	13	14	3	6	6
Bhubaneswar	--	--	--	4	4
Chaibasa	1	1	--	17	17
South-Eastern Zone	1	1	--	21	21
Bellary	2	2	--	1	1
Chennai	2	3	--	2	2
Southern Zone	4	5	--	3	3
Bilaspur	1	1	--	7	7
Jabalpur	1	1	--	1	1
Nagpur I	2	2	--	2	2
Nagpur II	1	1	1	--	--
Western Zone	5	5	1	10	10
ALL INDIA	44	50	9	82	84

## **STATEMENT NO. 4.11**

### **Fatal accidents in non-coal mines by cause and responsibility in 2011**

<b>Responsibility / Major Cause Group</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>Total</b>
Misadventure	-	-	1	-	1	-	-	1	-	3
Management	4	1	2	3	2	-	-	4	-	16
Management & Sub. Sup. Staff (SSS)	2	-	-	-	-	-	-	-	1	3
Management, SSS & Coworker	-	-	2	1	-	-	-	-	-	3
Management, SSS & Deceased	-	-	-	2	-	-	-	2	-	4
Management & Coworker	-	-	-	1	1	-	-	1	-	3
Management & Deceased	-	-	1	1	-	-	-	2	-	4
Subordinate Supervisory Staff (SSS)	1	-	-	1	-	-	-	-	-	2
Coworker	-	-	2	-	-	-	-	-	-	2
Coworker & Deceased	-	-	1	-	-	-	-	-	-	1
Deceased	-	-	2	1	-	-	-	-	-	3
<b>Total</b>	<b>7</b>	<b>1</b>	<b>11</b>	<b>10</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>1</b>	<b>44</b>

## **STATEMENT NO. 4.12**

### **Summary of Findings of Fatal Accidents during the year, 2011**

Code : 0100	Ground Movement
Code : 0112	<b>Fall of Sides (Other than Overhangs) ( 8 Deaths)</b>

1. Date - 24/03/11                    Mine - KARI DISPORE & PYROPHYLITE MINE  
Time - 16.30                         Owner - M. P. STATE MINING CORPN. LTD.  
   Dist. - Tikamgarh, State - Madhya Pradesh  
Person(s) Killed :

1. Smt. Radha Bai, Miner, Female, 48 Years

While a crew of 10 workers was employed at the bottom of about 7m high bench for sorting and removing pyrophyllite from the blasted material, a piece of pyrophyllite stone measuring about 0.5m X 0.3m X 0.15m fell from the bench side from a height of about 6m, hit the bench side, at a height of about 3m breaking into smaller pieces, inflicting fatal injury to one of them and minor injury to three others.

Had the side of the bench been properly dressed and secured before deploying workers at the bottom of the bench, this accident could have been averted.

2. Date - 06/05/11                    Mine - ALLIANCE AP BLOCK GALAXY GRANITE MINE  
Time - 10.50                         Owner - M/S ALLIANCE AP BLOCK GALAXY GRANITE P. LTD  
   Dist. - Prakasham, State - Andhra Pradesh  
Person(s) Killed :

1. K. Udaykumar Reddy, Giro Drill Optr., Male, 21 Years

While drill holes were being made with a hydraulic drill in a granite block for the application of expansive mortar in an opencast mine, a mass of granite of about 0.75m(long) x 1.25m(high) x 25cm(thick) parted from the mother rock, along a near horizontal crack and a vertical hole made for insertion of diamond rope of wire-saw machine, and fell on the hydraulic drill operator from a height of about 3.5m, inflicting serious injuries. He succumbed to injuries on way to hospital.

Had

the sides were made and kept secure as required under the provisions of Regulation 112(1) of the Metalliferous Mines Regulations, 1961,

the person involved was vocationally trained as required under the provisions of Rule 6(1) of the Mines Vocational Training Rules, 1966,

the accident could have been averted.

3. Date - 20/07/11

Time - 09.30

Mine - SEPATPURA MASONARY STONE MINE (M. L. 105/94)

Owner - SHRI RAGHAVENDRA SINGH

Dist. - Jaipur, State - Rajasthan

Person(s) Killed :

1. Narshi Ram Bunkar, Mazdoor, Male, 45 Years

While four mazdoors were engaged in digging and extraction of stones at the bottom of a 54m high and almost vertical bench having an undercut of about 2.5m depth a stone measuring about 30m X 10m X 2m parted at a height of about 35m and fell over the mazdoors killing one of them on the spot, the other three escaped with minor injuries.

Had

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

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

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

iv) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter No. AJ/DMS/22(3)/M. L. No. 105-94/2009/4946 dted 15.09.2009,

as required under the provision of Regulations 106(3) and (5) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) and 18(1) & (4) and 22(3) of the Mines Act, 1952, this accident could have been averted.

4. Date - 25/10/11

Time - 23.10

Mine - KANDRI MANGANESE MINE

Owner - MANGANESE ORE [INDIA] LTD.

Dist. - Nagpur, State - Maharashtra

Person(s) Killed :

1. Prakash M. Ahake, Helper (Contract), Male, 20 Years

While horizontal shot holes were being drilled at the toe of an ore bench of about 9m height using a Wagon drill machine in an opencast mine, big boulders rolled down along the fractured and almost vertical side and buried a workmen who was drilling the holes. The workmen received serious bodily injury to which he succumbed almost instantaneously.

Had

i) Workmen/driller not been engaged at the toe of the fractured and almost vertical ore bench of 9m height in contravention of clause 2.1.5 of Annexure 'A' enclosed with the permission letter No. NR1/380067/NC/951 date 05.05.2005 read with letter No. NR1/38067/NC/6/10/1283 dated 20.07.2010 granted under Regulation 106(2) (b) of Metalliferous Mines Regulations, 1961,

ii) It been ensured that equipment used for drilling were kept secured under the custody of a competent person to avoid unauthorized operation of the machinery thus not negligently omitted to ensure safety of the person in contravention of Regulation 181 of Metalliferous Mines Regulations, 1961,

iii) A system been devised to ensure that no person enters into the mine workings and operate machinery unauthorisedly, thus not negligently omitted to ensure safety of the person in contravention of Regulation 181 of Metalliferous Mines Regulations, 1961,

this accident could have been averted.

5. Date - 26/10/11

Time - 11.00

Mine - DOMCHANCH STONE MINE

Owner - M/S UMASHANKAR PRASAD

Dist. - Koderma, State - Jharkhand

Person(s) Killed :

1. Birendra Yadav, Driller (Contract), Male, 35 Years
2. Ranjeet Mehta, Driller (Contract), Male, 35 Years

While two drillers were drilling shot holes over a stone bench, a stone piece measuring about 2.5' X 1' X 6 to 9" got dislodged from the side and fell down to a height of 24m inflicting serious bodily injuries to both drillers to which they succumbed on the spot.

Had a proper inspection/examination of assigned part of mine including side having heavy seepage of water been done to ascertain the state of the side as required under Regulation 44(1) and Regulation 116(3) (b) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

6. Date - 03/12/11

Time - 11.00

Mine - ATHANAVOOR GRANITE MINE

Owner - SHRI G. ACHUTHAN

Dist. - Vellore, State - Tamil Nadu

Person(s) Killed :

1. Kumar M, Driller, Male, 24 Years
2. Selvam A, Driller, Male, 36 Years

While five drillers were drilling a boulder resting on moistened soil in the slope of a hillock in an opencast granite mine, the block started sliding down and they jumped to their sides, other rock boulders, resting above dangerously in the slope, rolled down and fell on them, to which one succumbed instantaneously and one died on way to hospital.

Had

i) it been ensured that on that day the work was carried out with the direction of manager and under the supervision of officials for enforcement of the requirements of the Act, Regulations and Orders made there under, as required under Section 17 & 18 of the Mines Act, 1952 read with Regulation 34 and Regulation 39 of the Metalliferous Mines Regulations, 1961

ii) the persons not been allowed to work in a dangerous area below overhangs & loose boulders violating Regulation 106(4) of the Metalliferous Mines Regulations, 1961, and

iii) the deposit in sloping face been worked systematically by forming proper benches, from top downwards, in accordance with the provisions of Regulation 106 of the Metalliferous Mines Regulations, 1961 (MMR 1961) & condition stipulated in the annexure to the permission granted vide letter No. CR/Granite/Perm/2011/2032 dated 27.09.2011,

this accident could have been averted.

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**Code : 0113**

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**Fall of Overhangs  
( 1 Death)**

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7. Date - 16/07/11  
Time - 11.45

Mine - KALANADA RANGE MARBLE MINE (QL NO.-51/3)  
Owner - SHRI NOOR HASAN AND OTHERS  
Dist. - Nagaur, State - Rajasthan  
Person(s) Killed :

1. Ram Niwas, Mazdoor, Male, 32 Years

While three persons were engaged for extraction of marble blocks at the bottom of a 52m high bench in a quarry a piece of stone measuring about 3m X 2m X 0.3m parted from top of an under cut, about 1m (high) X 2m (deep) formed at a height of 38m in the hangwall bench of adjoining mine, and hit on its floor breaking in to pieces which fell over the three mazdoors killing one of them on the spot and inflicting minor injuries to two others.

Had

- i) the mazdoors not been willfully engaged at the bottom of a 52m high and vertical bench in the mine and close to an undercut formed at a height of 38m in the hangwall bench of adjoining mine having loose stones hanging from its top thus not endangered lives of the mazdoors in the mine,
- ii) the mazdoors in the mine been provided a helmet,
- iii) hangwall side of the mine been adequately benched, sloped or secured so as to prevent danger of fall of the side,
- iv) undercutting of hang wall side of the mine not been permitted so as to cause overhang and
- v) a duly qualified Manager been appointed for management, control, supervision and direction of the mine

as required under the provisions of Regulations 181, 182A, 106(3) and (5) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

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**Code : 0200**

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**Transportation Machinery (Winding)**

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**Code : 0223**

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**Falls of Persons from Cages, Skip etc.  
( 1 Death)**

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8. Date - 10/04/11  
Time - 07.30

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

1. Hemraj Bhola Parbate, UG PR Worker, Male, 55 Years

While 12 persons were riding in a descending cage of a vertical shaft in an underground metal mine, suddenly a drill rod carried by a person struck to shaft girder causing jerk to the cage and serious bodily injury to

one person inside the cage and other three persons, standing at edge of the cage, were thrown out of the cage through cage gates left open, out of them two persons could catch hold of a shaft girder and escaped unhurt, whereas third one fell into the shaft bottom to a depth of about 100m sustaining instantaneous fatal injuries.

Had

- i) not more than the authorized number of persons been allowed to enter the ride in the same cage at any one time as required under the provisions of Regulation 55(1)(e) & Regulation 84(12) of the MMR, 1961,
- ii) unauthorized materials i.e. drill rods, not been allowed to be carried by a person in the same cage during man-winding as required under the provisions of Regulation 55(1)(f) and Regulation 84(13)(b) of the MMR, 1961
- iii) the cage gates on both sides of the cage been closed after persons have entered the cage and before signalling for the cage to be lowered as required under Regulation 55(1)(i) of the MMR, 1961, and
- iv) the cage gates of the west cage been maintained in safe working order and examined once at least in every 24 hours as required under Regulation 91(1)(a) of the MMR, 1961

this accident could have been averted.

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Code : 0300

Transportation Machinery (Non-Winding)

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Code : 0335

Dumpers

( 10 Deaths)

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9. Date - 01/02/11

Mine - DONIMALAI IRON ORE MINE

Time - 05.15

Owner - NATIONAL MINERAL DEV. CORPN. LTD.

Dist. - Bellary, State - Karnataka

Person(s) Killed :

1. G. D. Suresh, Dumper Operator, Male, 40 Years

While a 85T dumper was being driver on a haul road of 18m wide in a opencast iron ore mine, the dumper operator could not control the dumper and turned the dumper towards left side, the dumper climbed over the berm, fell down on the slope of the hillock and rolled down for a distance of 165m. The operator was thrown out of the cabin and sustained fatal injuries.

"Misadventure"

10. Date - 17/02/11

Mine - ZUARI LIMESTONE MINE

Time - 13.30

Owner - ZUARI CEMENT

Dist. - Cuddapah, State - Andhra Pradesh

Person(s) Killed :

1. Pilligoila Nagamaiah, Fuel Dispenser, Male, 55 Years

While a work person was engaged at diesel filling station for fuelling of dumpers on the surface of an opencast mine, some how he came between the rear tyres of the dumper he fuelled and run over by it inflicting serious bodily injuries to which he succumbed on the spot.

Had the work person was careful and took safe position before signalling the dumper to move away after fuelling it, and also the dumper not been moved from its parked position without ensuring that all persons in its close proximity have moved to a safe place, thus negligently endangering life and safety of persons, as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

11. Date - 15/04/11 Mine - KOLIHAN COPPER MINE  
Time - 08.55 Owner - HINDUSTAN COPPER LTD.  
Dist. - Jhunjhunu, State - Rajasthan  
Person(s) Killed :  
1. Sanjpal Singh, Mazdoor, Male, 27 Yrs

While a mazdoor was walking down surface road, at a gradient of about 1 in 18, of an underground mine he was hit by left side of front buffer of a dumper coming from behind and fell on the ground and was immediately run over by left side rear wheels of the dumper receiving serious bodily injuries which proved fatal shortly thereafter on the way to a hospital.

Had the Operator of the dumper not negligently driven his dumper down the road and hit the mazdoor from behind and run over him under rear left wheels of the dumper thus not endangered life of the mazdoor as required under Regulation 181 read with Regulation 41(1)(a) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.



While engine of a 240 tonne capacity Komatsu 830 E-1AC dumper was started in a workshop of an opencast mine, after charging one of the two accumulator cylinders in hydraulic circuit of the dumper with oxygen instead of nitrogen, an explosion took place in the charged accumulator cylinder within two minutes of starting of the engine causing bursting of the cylinder into pieces along with huge flare created by ignited hydraulic fluid which inflicted instantaneous fatal injuries to one engineer at a distance of about 18m when hit by a flying piece of the cylinder and burn injuries to three other engineers and two workers present in the workshop premises due to the flare to which one of the injured engineers succumbed nine days later in a hospital.

Had

- i) accumulator cylinder of the dumper not been negligently charged with oxygen instead of nitrogen thereby endangering life and limb of the persons employed in the mine and the accumulator cylinder been maintained so as to obviate the risk of explosion and bursting,
  - ii) a system of clear distinction among oxygen and nitrogen gas cylinders been maintained and the two types of cylinders been kept separately in the workshop and it been seen that persons under the charge carried out their respective duties peroperly and
  - iii) it been seen that provisions of the Act and of Regulations and orders made there under relating to maintenance were properly carried out by subordinate officials appointed for the purpose

as required under the provisions of the Regulations 181 and 173(1) read with Regulations 43(1) 43(2), 53(d) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

13. Date - 02/06/11

Mine - SRI SRINIVASA GRANITE MINE

Time - 01.30

Owner - SRINIVASA GRANITE

Dist. - Prakasham, State - Andhra Pradesh

Person(s) Killed :

1. Begini Raju, Dumper Helper, Male, 30 Years

While a dumper was being reversed beyond day light hours on a waste dump yard situated about 60m above ground level in an opencast granite mine, it crossed over the edge while hitting its helper who was standing at the edge of the dump yard and fell down to a depth of 55m along the slope. The helper died subsequently on the way to hospital. The dumper operator jumped out of dumper before it滑下 and escaped without any injuries.

Had

i) sufficient general lighting was provided as required under Regulation 146(1)(a) read with Govt. Notification no. GSR-829 dated 18.06.1975 published in the Gazette of India dated 05.07.1975 in Part II Section 3(i)

ii) a mine foreman was appointed to hold charge of the different mining operations of the mine on each working shift as required under Regulation 37(1) and

iii) the workings of the mine in the night shift were placed under the charge of a mining mate as required under Regulation 116(1) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

14. Date - 12/07/11

Mine - GAVARAL GRANITE MINE

Time - 12.30

Owner - M/S BHARAT MINING & ENGINEERING COMPANY

Dist. - KOPPAL, State - Karnataka

Person(s) Killed :

1. Hussain S. P. Doddamani, Tipper Driver, Male, 42 Years

While a tipper was being driven on a haul road at a rising gradient of more than 1 in 16 leading to the dump yard of an opencast granite mine, the driver lost control of the vehicle and it moved backward for a distance of 25m and hit boulder lying on the eastern side of the haul road. The tipper fell towards driver's side pinning the driver against the ground inflicting fatal injuries.

Had

i) the gradient of the haul road been maintained at 1 in 16 as required under the provisions of Regulation 106 read with DGMS (Tech.) Circular No. 9 (clause 1. (e) of 2008,

ii) the permission for deployment of HEMM been obtained to follow the safe working conditions stipulated therein, as required under the provisions of Regulation 106(2) (b) of the MMR, 1961 and also

iii) a duly qualified manager and other statutory persons been appointed to conduct the mining operations in a safe manner by adhering to the provisions of the statute as required under the provisions of Regulation 34 read with Section 17 of the Mines Act, 1952 & Regulation 37 of the Metalliferous Mines Regulations, 1961.

the accident could have been averted.

15. Date - 23/08/11 Mine - PETA SANNIGANDLA LIMESTONE MINE  
Time - 09.45 Owner - SRI CHAKRA CEMENTS LTD.  
Dist. - Guntur, State - Andhra Pradesh  
Person(s) Killed :

1. Ninguntia Harinath, Tipper Helper, Male, 32 Years

While a tipper helper was trying to start a breakdown tipper on a waste dump yard of a limestone mine, it ran down the gradient un-controlled for a distance of about 134m and fell down in an old pit to a depth of 13.1m inflicting serious bodily injuries to the helper to which he succumbed few hours later on the way to the hospital.

Had the tipper was not been tried to start by un-authorised persons, thus not negligently omitted to ensure the safety of persons employed at the mine as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

16. Date - 31/10/11 Mine - RAIKELA IRON ORE MINE  
Time - 17.00 Owner - NATIONAL ENTERPRISES  
Dist. - Sundergarh, State - Orissa  
Person(s) Killed :

1. Manoj Kumar Naik, Helper, Male, 25 Years

While a loader helper was sleeping on the top of Surface Subgrade Fine Stock of an opencast Metalliferous Mine, the fines were dumped on the helper by a Dumper Operator unknowingly, the helper got buried unnoticed under fines and died instantly.

Had the fines not been dumped in the fines dump area without ensuring that nobody present there, thus not negligently endangering the safety of the persons employed therein, this accident could have been averted.

17. Date - 08/11/11 Mine - MANGAMPET BARYTES MINE  
Time - 02. 40 Owner - ANDHRA PRADESH MINERAL DEV. CORPN. LTD.  
Dist. - Cuddapah, State - Andhra Pradesh  
Person(s) Killed :

1. Ramnath Gupha, Volvo Tipper Operator, Male, 64 Years

While a tipper operator was examining rear wheels of his break down tipper parked on the right side of a haul road having one-way traffic in an opencast mine, was hit by another tipper coming behind him, inflicting serious bodily injuries to which he succumbed after three days in a hospital.

Had the tipper was driven steadily under-control and made sure of the road clearance as required under condition No. 10.6 of the APPENDIX-MMR106 appended to the Permission letter No. D.R.I/4019 dated 13.11.1995 granted under Regulation 106(2)(b) and thus not negligently omitted to ensure the safety of persons employed at the mine as required under the provisions of Regulation 181 of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

18. Date - 18/02/11                    Mine - DURGAMANWADI BAUXITE MINE  
 Time - 10.00                            Owner - INDIAN ALUMINIUM CO. LTD.  
     Dist. - Kolhapur, State - Maharashtra  
     Person(s) Killed :

1. Dhanaji Kumbhar, Truck Driver, Male, 39 Years

While a truck operator tried to get into his moving truck in a bid to stop the same which he parked at the parking place near the weigh bridge of the mine without applying parking brake, the truck hit another truck standing at the weigh bridge due to its impact of which he fell down and was run over by the truck inflicting serious bodily injuries to which he succumbed after about one hour on the way to hospital.

Had the person applied parking brake before getting down from the truck and not tried to get into a moving truck thus negligently endangering his own life and safety in contravention of Regulation 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

19. Date - 11/11/11                    Mine - MASONARY STONE MINE  
 Time - 11.30                            Owner - SMT. KESHANTI DEVI  
     Dist. - Dausa, State - Rajasthan  
     Person(s) Killed :

1. Mahesh Meena, Tractor-Trolley Driver, Male, 22 Years

While a tractor-trolley loaded with stone was being driven down a haul road, at a gradient of about 1 in 7 and 3.5m wide, of a stone quarry on a hill the driver lost control over the tractor which drifted away from the road and rolled down the hill throwing him off the seat and running him over by one of the rear wheels inflicting serious bodily injuries on him to which he succumbed half an hour later on way to a hospital.

Had

- i) gradient of the haul road been maintained at 1 in 14 or less,
- ii) the haul road been maintained in good condition,
- iii) width of the haul road been maintained three times the width of the tractor-trolley,
- iv) a strong parapet wall or embankment been provided along the haul road to prevent the tractor-trolley from getting off the road,
- v) a four wheeled trailer been deployed and
- vi) a duly qualified manager been appointed in the mine for management, control, supervision and direction thereof

as required under the Regulations 106 read with DGMS Circular No. 11 of 1973, DGMS(Tech.) Circulars No.1 of 1987 and No. 1 of 1994 and 34 of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) of the Mines Act, 1952,

this accident could have been averted.

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**Code : 0400**

**Machinery Other than Transp. Machinery**

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**Code : 0441**

**Drilling Machines  
( 1 Death)**

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20. Date - 01/01/11

Mine - ALANGULAM LIMESTONE MINE

Time - 13.45

Owner - TAMIL NADU CEMENT CORPN. LTD.

Dist. - Virudhunagar, State - Tamil Nadu

Person(s) Killed :

1. Punavram, Driller(Contract), Male, 24 Years

While a driller marching the crawler drill on haul road was trying to overtake a stationery truck, from which hydraulic power was being obtained to march the drill, the right track of the drill struck to a stone, drill mast grounded in the haul road floor, drill tracks lifted up from front, the drill slightly tilted towards the truck and the upper body portion of the drill pressed between the control panel of the drill and rear end of the truck body inflicting serious bodily injuries, which proved fatal on way to the hospital.

Had

i) the drill been marched by or under the constant supervision of a competent person as provided under Regulation 176(1) of the Metalliferous Mines Regulations, 1961;

ii) the person employed to operate the crawler drill at the mine been competent to perform the duties assigned to him in safe working order as provided under Regulation 39(2) of the Metalliferous Mines Regulations, 1961

iii) the contractor worker employed in the mine or operating the crawler drill been provided with trainings provided under Rule 6(1) of the Mines Vocational Training Rules, 1966 and

iv) the drill been carefully marched so that it did not come very close to a stationery truck and did not tilt towards the truck, thus not negligently omitting to ensure driller's own safety as required under Regulation 181 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

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**Code : 0443**

**Loading Machines  
( 1 Death)**

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21. Date - 29/09/11

Mine - PEARL M. P. LTD. (S. NO. 99/2, 3&4) GRANITE

Time - 00.15

Owner - PEARL MINERALS LTD.

Dist. - Prakasham, State - Andhra Pradesh

Person(s) Killed :

1. Peram Narayana, Excavator Helper, Male, 24 Years

While an excavator was engaged in an opencast mine for clearing waste by side-casting to the lower bench, a mass of granite stone of about 50cm long X 30cm wide X 20cm thick fell from the excavator's bucket on the helper who was in the swing area of the excavator inflicting serious bodily injuries to which he succumbed at the hospital.

Had vocationally trained persons been engaged in different mining operations at the mine as required under Rule 6(1) of the Mines Vocational Training Rules, 1966, the accident could have been averted.

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Code : 0446

Shovel, Draglines, Frontend Loader, etc.  
( 2 Deaths)

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22. Date - 12/03/11

Mine - FREE WORLD GRANITE MINES

Time - 14.30

Owner - M/S FREE WORLD EXPORT PVT. LTD.

Dist. - Karimnagar, State - Andhra Pradesh

Person(s) Killed :

1. Mannam Getti Balu, Stone Cutter, Male, 30 Years

While a Poclain Operator was tilting the granite block with the help of poclaing bucket measuring 3.2m X 1.8m X 1.5m in the stock yard one person in the vicinity was entrapped beneath the granite block causing instantaneous death.

Had

- i) it been ensured that no person was near the granite block before tilting the block
- ii) and ensured that mine is under the supervision of manager as required under the Section 18(1) & (4) of Mines Act, 1952 read with the Regulation 34(a) of MMR, 1961, and
- iii) ensured that during the shift workings was placed under general supervision of experienced mine foreman as required under Regulation 37(1)(a) of MMR, 1961

this accident could have been averted.

23. Date - 16/10/11

Mine - KAKKEHALLI GRANITE MINE

Time - 09.40

Owner - BHARAT MINING & ENGG. CO.

Dist. - KOPPAL, State - Karnataka

Person(s) Killed :

1. Sharanayya Halligudi, Driller, Male, 35 Years

While an excavator operator after positioning a granite block measuring about 3.9m X 1.6m X 1.7m at the block dressing yard of a granite mine, had swung the excavator boom stick towards its left by keeping the bucket at about 1.0m above the ground level, as a result, the bucket of the boom hit a driller on neck, who was sitting on the back side of the another granite block lying at a distance of 4.3m, inflicting serious bodily injuries, to which he succumbed while being transported to Govt. Hospital.

Had

- i) the mine been not worked without authorizing a duly qualified person as manager in absence of regular manager and to conduct mining operations in a safe manner by adhering to the provisions of statute as required under the provisions of Regulations 34(7) (a) the Metalliferous Mines Regulations, 1961 (MMR, 1961) read with Section 18(4) of the Mines Act, 1952,

- ii) it been ensured that, no person been present within the swing area of the excavator while it was in operation by taking reasonable means to ensure the proper observance of the requirements of the Act and of

these Regulations and Orders made there under, under his charge as required under the provisions of Regulation 47(1) (b) and read with Regulation 181 of MMR, 1961 and

iii) the excavator boom been not swung keeping the bucket at a lower height without ensuring that nobody was present in the vicinity thus negligently omitting to ensure the safety of the work persons in contraventions of Regulation 181 of MMR, 1961, read with Regulation 41(1) of the MMR, 1961

the accident could have been averted.

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Code : 0448

Other Heavy Earth Moving Machinery  
( 4 Deaths)

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24. Date - 31/01/11                    Mine - GUNAWATI RANGE MARBLE MINE (PLOT NO.-195)  
Time - 17.00                            Owner - SHRI SHYAM SUNDAR SARDA & OTHERS  
    Dist. - Nagaur, State - Rajasthan  
Person(s) Killed :

1. Banwari Singh, Mazdoor, Male, 36 Years

While three mazdoos were being hoisted in a 'U' tub attached with 16mm diameter wire rope to a diesel operated derrick crane in about 50m deep quarry the wire rope, coiling unevenly on one side of the drum, suddenly slipped on the other side causing a jerk and resultant tilt of the tub throwing one of the mazdoos out who fell for a height of about 40m to bottom of the quarry and died instantaneously.

Had

i) a road or foot path been provided in the mine,  
ii) a duly qualified Manager been appointed in the mine for management, control, supervision and direction thereof and  
iii) the mine not been worked in violation of terms of the prohibitory Order under Section 22(3) of the Mines Act, 1952 imposed therein vide this Directorate's letter No. AJ/DMS/22(3)/Nagor/2003/2064, dated 19.09.2003

as required under the provisions of Regulations 118(5) (b) read with DGMS (Tech.) Circular No. 3 of 1976 and 34(1) (a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1) and 18(1) and (4) and 22(3) of Mines Act, 1952,

this accident could have been averted.

25. Date - 23/10/11                    Mine - DALLI IRON ORE MINE COMPLEX  
Time - 10.30                            Owner - BHILAI STEEL PLANT {SAIL}  
    Dist. - Durg, State - Chhattisgarh  
Person(s) Killed :

1. Pardeshi, Crane Operator, Male, 55 Years

While a chassis of a cannibalized dumper was being unloaded from a tractor trailer by a wheeled trackless crane at HEME garage of an opencast Iron ore mine, there was uncontrollable swing of the boom with suspended load resulting in toppling of the crane over a scraped dozer lying there severely damaging the cabin and inflicting serious bodily injuries to its operator that proved fatal within next half an hour.

Had

- i) the crane not been slewed uncontrollably after lifting heavy load as required under standard operating procedure for mobile crane framed by the manager read with Reg. 41(1)(a) of the MMR, 1961 and
  - ii) the crane been properly jacked by providing support block below the outrigger beam instead of chassis as required under standard operating procedure for mobile crane framed by the manager read with Regulation 43(2) and 53(d) of the MMR, 1961,

this accident could have been averted.

26. Date - 10/12/11 Mine - RAMPURA AGUCHA GALENA & SPH MIN  
Time - 16.30 Owner - HINDUSTAN ZINC LTD.  
Dist. - Bhilwara, State - Rajasthan  
Person(s) Killed :

1. Nana Lal Meena, Dozer Operator, Male, 54 Years

While a tyre mounted dozer was dozing mud and accumulated water down a 08m high and vertical blasted bench, the edge of the bench gave way toppling the moving dozer upside down to lower bench 08m below, throwing its operator off the seat who was partially crushed under the toppled dozer inflicting serious bodily injuries to the operator to which he succumbed half an hour later on way to hospital.

Had

- i) the Dozer Operator not negligently dozed mud and water down the 08m high bench after breaching parapet wall and ignoring warning signs of colour wash boulders and wooden red sticks erected at about 02m from edge of the bench and not omitted to put on seat belt thereby not endangered his own life and limb,
  - ii) inspection of site of dozer operation on the haul road been made by Mining Mate and reasonable means to ensure the proper observance of the requirement of the Act and of the Regulations and orders made there under been taken by prohibiting dozer operator from breaching parapet wall, ignoring warning signs of colour wash stones and wooden sticks and by instructing him to wear seat belt,
  - iii) inspection of site of dozer operation on the haul road been made by Foreman and it been seen if Mining Mate under the charge was inspecting the dozer operation and the Dozer Operator was not breaching parapet wall, ignoring warning signs of colour wash stones and wooden sticks and wearing seat belt and for not enforcing in the district the provisions of the Act and of these Regulations and orders made their under,
  - iv) site of dozer operation on the haul road been visited and examined by Assistant Manager and it been seen that all work by Foreman, Mining Mate and Dozer Operator under the charge was carried out in accordance with the provisions of the Act and of these Regulations and orders made there under,

as required under the provisions of Regulations 181, 47(2)(a) and (1)(b), 46(1)(c) and (2)(a) and (b) and 45(2) and (3) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

27. Date - 28/12/11 Mine - COLOMBA IRON ORE MINE  
Time - 06.15 Owner - SESA RESOURCES LTD.  
Dist. - South Goa, State - Goa  
Person(s) Killed :

1. Simangcha Baro, Security Guard, Male, 29 Years

While a DG set cum pump operator was away to attend nature's call, a security guard posted nearby went near the DG set with his loose outer clothing (Shawl), he was caught by the moving radiator fan blade and got strangulated inflicting fatal injuries.

Had the person not gone near the running DG Set with loose outer clothing which was not his place of work thus willfully and negligently endangering his life and safety in contravention of Regulation 181 read with Regulation 174(5) of the Metalliferous Mines Regulations, 1961, the accident could have been averted.

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Code : 0449

Other Non-Transportation Machinery  
( 2 Deaths)

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28. Date - 12/07/11

Mine - A.P.GRANITE (MIDWEST) GRANITE MINE

Time - 07.00

Owner - A.P.GRANITE (MIDWEST) PVT. LTD.

Dist. - Prakasham, State - Andhra Pradesh

Person(s) Killed :

1. Nartha Paban Patra, Helper, Male, 40 Years

While two helpers were filling HSD/Diesel into the drum of a running Generator in an opencast granite mine, loose towel wrapped around one of them was sucked by the radiator fan and dragged his head on to the rotating fan blades inflicting serious cut injuries to which he died on the spot.

Had

i) adequate fencing around the generator or guard been provided to prevent danger due to the moving parts of the radiator fan of the generator, and

ii) loose outer clothing not been allowed to worn or permitted to wear by any persons working in the close proximity of moving parts of the machinery as provided under Regulation 174(2) & (5) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

29. Date - 15/12/11

Mine - PSR GRANITE QUARRY

Time - 04.50

Owner - SHRI P. SRIDHAR

Dist. - Karimnagar, State - Andhra Pradesh

Person(s) Killed :

1. Nag Munna, Worker, Male, 20 Years

While a worker was filling diesel by standing very near to running AC Generator the blanket he was wearing was caught & pull by the running fan and in turn he received head injuries causing instantaneous death.

Had

i) the exposed dangerous moving parts have been adequately fenced by substantial suitable guards as required under Regulation 174(2) of MMR, 1961,

ii) the person working in the close proximity not wore loose outer clothing as required under Regulation 174(5) of MMR, 1961,

iii) ensured that mine is under the supervision of manager as required under the Regulation 34(a) of MMR, 1961 read with section 18(1) & (4) of the Mines Act, 1952 and

iv) the shift workings was placed under general supervision of experienced mine Foreman as required under Regulation 37(1)(a) of MMR, 1961,

this accident could have been averted.

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Code : 0500

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Explosives

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Code : 0552

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Deep Hole Blasting Projectiles  
( 2 Deaths)

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30. Date - 14/06/11

Mine - RAMNAGAR STONE MINE

Time - 12.00

Owner - M/S AMERUL SK.

Dist. - Pakur, State - Jharkhand

Person(s) Killed :

1. Riajul Sheikh, Driver, Male, 40 Years
2. Dipak Mondal, Truck Loader, Male, 40 Years

While a group of loaders were engaged in loading of stone into the truck on the bottom bench of a quarry, they were hit by the flying fragments ejected out of blasting done at the top bench. Two of them succumbed to the injuries shortly afterwards while other four escaped with reportable injuries.

Had

i) A manager been appointed at the mine as required under Section 17 of the Mines Act, 1952 read with Reg. 34 of the MMR, 1961

ii) Suitably qualified officials and competent persons (here in after referred as Blaster) as well as senior officials were appointed at the mine to carry out mining operations safely as required under Sec. 18 of the Mines Act, 1952 read with Reg. 39, 37 and 160 of the MMR, 1961

this accident could have been averted.

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Code : 0554

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Other Projectiles  
( 2 Deaths)

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31. Date - 15/10/11

Mine - SULUNGA STONE MINE

Time - 12.30

Owner - M/S JAMKANDAR STONE MINE

Dist. - Birbhum, State - West Bengal

Person(s) Killed :

1. Michael Pauria, Hammer-man, Male, 32 Years
2. Swapan Soren, Hammer-man, Male, 26 Years

While 20 numbers of shot holes were blasted in a stone mine, ejecting several pieces of rock out of blasting operation, which flew to a distance of 225m and hit three persons, two of whom took shelter under a thatched house. One of the peson was killed almost instantly while other died after about 21 and half hours in Hospital. The third person survived with serious bodily injuries.

Had

i) sufficient warning been given over the entire area falling within a radius of 300m from the place of firing and ensured that all pesons within such area have taken proper shelter, as required under the provisions of Regulation 164(1-A) (b) of the Metalliferous Mines Regulations, 1961 and

ii) the blasting been done in such a manner that the flying fragments from blasting cannot project beyond a distance of ten metres from the place of firing, as required under the provisions of Regulation 164(1-A) (c) of the Metalliferous Mines Regulations, 1961,

this accident could have been averted

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Code : 0556

Misfire/Socket (Other than Drilling into)  
( 2 Deaths)

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32. Date - 29/07/11                    Mine - SURVEY NO. 231, LOHITA STONE METAL QUARRY  
Time - 19.20                            Owner - SHRI E. MANOJ  
    Dist. - Warangal, State - Andhra Pradesh  
    Person(s) Killed :  
    1. Lakka Ramulu, Worker, Male, 55 Years  
    2. Velpula Babu, Worker, Male, 40 Years

While five persons were examining the misfired charged holes after daylight hours with the help of the light of a cell phone in a stone quarry, suddenly one of the misfired holes exploded causing instantaneous death to one of the persons and another while being treated in a hospital three other escaped with serious bodily injuries.

Had

- i) A duly qualified blaster been appointed to carry out blasting as required under Reg. 160, 164 & 167, and  
ii) A Manager having the prescribed qualification been appointed with adequate nos. of statutory supervisors as required under Reg. 34, 39 of Metalliferous Mines Regulations, 1961 read with Sec. 18(1) & (4) of the Mines Act, 1952,

this accident could have been averted.

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Code : 0559

Other Explosive Accidents  
( 1 Death)

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33. Date - 29/08/11                    Mine - KARUNDA LIMESTONE MINE  
Time - 13.15                            Owner - J. K. CEMENT WORKS  
    Dist. - Chittorgarh, State - Rajasthan  
    Person(s) Killed :  
    1. Pushkar Das Vaishnav, Helper, Male, 47 Years

While a blasting crew was laying and connecting blasting cable after charging eight holes with explosive in an opencast mine, suddenly thunder storm lightening struck over the charged holes and two holes prematurely blasted. Due to premature blast one mechanical helper was hit by flying boulder, while shifting the excavator, inflicting serious bodily injuries. He succumbed to his injury subsequently.

"Misadventure"

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**Code : 0800**

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**Falls (Other than Fall of Ground)**

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**Code : 0881**

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**Fall of Person from Height/into Depth  
( 4 Deaths)**

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34. Date - 04/04/11

Mine - ANKLESWAR PROJECT OIL MINE

Time - 07.00

Owner - OIL & NATURAL GAS CORPORATION LTD.

Dist. - Bharuch, State - Gujarat

Person(s) Killed :

1. G. M. Patel, Exc. Engineer, Male, 55 Years

While a person was descending along a staircase after checking the water level in a make up water tank of cooling tower of Gas Compressor Plant, he slipped and fell down from the 4th step of the staircase to the ground level from a height of about 1m and sustained cervical injury which proved fatal after seven days in a Hospital at Vadodara.

"Misadventure"

35. Date - 05/05/11

Mine - ULLORI RANGE MARBLE MINE (PLOT NO. 94)

Time - 11.30

Owner - SHIR HAJI MOHAMMAD YAKOOB SISODIA

Dist. - Nagaur, State - Rajasthan

Person(s) Killed :

1. Chatra Ram, Mazdoor, Male, 41 Years

While a mazdoor in an opencast mine was descending along foot wall side of the mine by holding a rubber rope he lost his balance and fell from a height of about three meters sustaining serious head injuries to which he succumbed soon after on way to a hospital.

Had

i) a road or foot path been provided in the mine and

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

as required under the provisions of Regulations, 118(5) (b) read with DGMS (Tech.) Circular No. 3 of 1976 and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Section 17(1) and 18(1) and (4) of the Mines Act, 1952, this accident could have been averted.

36. Date - 12/05/11

Mine - BALAGHAT MANGANESE MINE

Time - 10.00

Owner - MANGANESE ORE [INDIA] LTD.

Dist. - Balaghat, State - Madhya Pradesh

Person(s) Killed :

1. Dalooram Girwar, U/G Worker, Male, 36 Years

While a P.R. Worker, was mucking blasted ore into an empty ore-chute with the help of a spade standing on south edge of the chute and on a wooden sleeper placed across on it, suddenly the sleeper broke into two pieces and he fell into the ore chute alongwith the pieces of sleeper to a depth of about 20m sustaining almost instantaneous fatal injuries.

Had

i) negligently mucking of the ore not been done by the person by standing over the sleeper placed across the chute thereby endangering his own life in contravention to provision of Regulation 181 of the Metalliferous Mines Regulations, 1961, and

ii) the ore-chute ring been kept raised to 0.5m above the stowed sand floor as required under condition no. 1.0(e) and 1.0(i) of the Permission order No. NR-1/380050/Perm/NC/B/2010/1734 dated 21.09.2010 issued under Regulation 107(3) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

37. Date - 10/06/11 Mine - MASARO KI OBERI SERPENTINE MINE  
Time - 08.30 Owner - M/S POLY MARBLES  
Dist. - Udaipur, State - Rajasthan  
Person(s) Killed :  
1. Mani Lal, Mazdoor, Male, 42 Year

while two workers were engaged in guiding a trolley being lowered by a derrick crane on a marble bench, one of them got unbalanced at the edge of the bench and fell to a depth of about 3.0m on a lower bench, sustaining serious bodily injuries to which he succumbed after six hours in hospital.

Had the worker not been permitted to work near the edge of vertical bench from where he was likely to slip unless he was secured by a safety belt or life line, as required under the provisions of Regulations 114(2) of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

Code : 0882

## Fall of Persons on the Same Level

( 1 Death)

38. Date - 13/09/11 Mine - BORAWAR KUMARI RANGE MARBLE MINE (QL-8)  
Time - 10.30 Owner - SHRI MOHAMMAD SULEMAN  
Dist. - Nagaur, State - Rajasthan  
Person(s) Killed :

1. Malchand, Mazdoor, Male, 45 Years  
While a mazdoor was walking on a sloping and uneven ground littered with stones to his place of work at the bed of a quarry he suddenly slipped, lost his balance and fell on the sharp edge stones lying on the ground thereat sustaining serious bleeding injuries on his head to which he succumbed in a hospital after about an hour.

Had a helmet and protective footwear been provided to the persons employed, a road or footpath been provided for employed persons to travel and a duly qualified Manager been appointed in the mine for management, control, supervision and direction thereof as required under the provisions of Regulations 182A(1), 182(1), 118(5) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with DGMS (Tech.) Circular No. 3 of 1976 and Sections 17(1), 18(1) & (4) of the Mines Act, 1952, this accident could have been averted.

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Code : 0883

Fall of Objects incl. Rolling Objects  
( 5 Deaths)

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39. Date - 10/02/11

Time - 12.15

Mine - SINDE SAR KHURD GALENA & SPHALARITE

Owner - HINDUSTAN ZINC LTD.

Dist. - Rajsamand, State - Rajasthan

Person(s) Killed :

1. Pankaj Purohit, Contract Worker, Male, 28 Years

While three contractor workers were engaged in erecting the segments of a tower one over the other, the upper portion of the segment got unbalanced due to uneven loading. As a result, erected portion of the tower toppled and fell down on the ground along with one contractor worker from a height of about 21m, inflicting fatal injury to one of them and minor injury to another.

Had

i) thorough supervision been ensured while the tower was being erected as required under the provisions of Regulation 39(1)(a) Metalliferous Mines Regulations, 1961 and

ii) the welding joint of the bottom pipe of the tower and base place ws of good construction, suitable material and adequate strength as required under the provisions of Regulation 172 of the Metalliferous Mines Regulations, 1961,

this accident could have been averted.

40. Date - 29/03/11

Time - 05.15

Mine - SST(WORK OVER SERVICES) MEHSANA

Owner - OIL & NATURAL GAS CORPORATION LTD.

Dist. - Mehsana, State - Gujarat

Person(s) Killed :

1. Kirit Jadav, Rigman, Male, 42 Years

While a crew (two rig mand and one driller) during 'running-in' operation at a rig floor of work over oil mine, was hoisting travelling block for latching another stand of drill pipe by derrick man at monkey board, the travelling block moved upward with uncontrolled high speed, crossed monkey board and upper limit, and hit the crown block of mast and entangled casing line (26mm), resulting in breakage of casing line and free fall of traveling block from about 19m height on rig floor; in process of escaping to safety, one rigman received serious bodily injuries to which he succumbed after 30 hours and another received minor injuries.

Had the driller not operated draw works carelessly, hoisted the empty travelling boock upward at uncontrolled high speed and hit against mast strucutre in contravention of provisions thus not negligently omitting to ensure safety of his co-workers working thereat on the rig in contraventions of the provisions of the Regulation 98 of the Oil Mines Regulations, 1984, this accident could have been averted.

41. Date - 15/04/11 Mine - KALANADA RANGE MARBLE MINE (ML NO. 52/3)  
Time - 11.30 Owner - Shri Kalu Gaur  
Dist. - Nagaur, State - Rajasthan  
Person(s) Killed :  
1. Lalchand Mehta - Male - 25 Years

I. Lararam, Mazdoor, Male, 35 years  
While a stone boulder measuring about 0.91m X 0.76m X 0.60m was being hoisted up to surface from floor of a 15m high bench by a Jib crane in an opencast mine, a piece of stone measuring about 0.30m X 0.15m X 0.07m chipped off the boulder and hit a mazdoor, standing nearby and close to the edge of the bench, on his chest overbalancing him to fall down for about 45m to bottom of the quarry sustaining serious bodily injuries to which he succumbed soon after on way to a hospital.

Had

- i) the mazdoor not been permitted to work at the edge of the 45m high and vertical bench from where he was likely to slip or over-balance, unless he was secure by a safety belt or life-line or was otherwise safeguarded and
  - ii) a duly qualified Manager ben appointed in the mine for management, control, supervision and direction thereof

as required under the provisions of Regulations 114(2) and 34(1)(a) of the Metalliferous Mines Regulations, 1961 read with Sections 17(1), 18(1) and (4) of the Mines Act, 1952, this accident could have been averted.

42. Date - 21/06/11 Mine - MORWAR MARBLE MINE  
Time - 16.15 Owner - M/S J K NATURAL MARBLE LTD.  
Dist. - Rajsamand, State - Rajasthan  
Person(s) Killed :  
1. Mahan Singh Driller, Male, 47

T. Moran String, Driller, Male, 47 years  
While a worker was taking shelter under shadow of boulders stacked at the side of an approach ramp in an opencast workings, suddenly a boulder measuring about 2.5m(length) X 1.5m(width) X 1m(thick) rolled down, due to vibrations of a moving excavator, from a height of about 1.2m and buried him causing serious bodily injuries to which he succumbed on way to hospital.

Had the worker not taken shelter under shadow of boulders stacked at the side of an approach ramp thus not negligently endangered 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.

43. Date - 08/10/11 Mine - DHARMATA MARBLES MINE  
Time - 19.00 Owner - R. K. MARBLE LTD  
Dist. - Rajsamand, State - Rajasthan  
Person(s) Killed :  
1. Name - Mohan Singh, Caste - W.

I. Narayan Mehnvanshi, Contr. Worker, Male, 45 years  
While a contractor worker was engaged in size reduction of an unstable marble block standing over it, suddenly the block toppled as a result he got unbalanced, fell down and was seriously injured. He succumbed to his injuries subsequently.

Had the working place been carefully examined before commencing work and the marble block made stable as required under the provisions of Regulation 118(3) & 181 of the Metalliferous Mines Regulations, 1961, this accident could have been averted.

**Code : 0900**      **Other Causes**

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

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44. Date - 26/04/11 Mine - DRILLING MINE (DULIAJAN)  
Time - 17.10 Owner - OIL INDIA LTD.  
Dist. - Tinsukia, State - Assam  
Person(s) Killed :

1. Bhupen Boruah, Jr. Engineer-II, Male, 58 Years

While pressure testing of 13 3/8 inches casing head housing was being done with water at a drilling rig in stages of pressure 500psi which was holding up to 2500 psi and while it was further pressurized upto 2600 psi, the 2 inches size chicksan pressure test line got stripped off at two places hitting a person who was standing nearby the pressure test line at cellar pit area, causing serious bodily injuries to him. The injured was immediately sent ot hospital for treatment where he died after 7 days and 20 hours.

Had

- i) the required rated 2 inches size bend and chicksan pressure test line of both rating 5000 psi, been made available at drill site store for fitting and use in pressure testing line of 13-3/8 inches casing head housing, which was necessary for safety of the persons employed therein, as required under Sec. 18(5) of the Mines Act, 1952, read with Reg. 20(1) & (3), 98 of the Oil Mines Regulations, 1984 & safe operating procedures framed by the Mine Management;
  - ii) high pressure 2 inches chicksan test line fitted with flexible joints from mud pump, been suitably anchored so as to prevent it from flying out in case of accident disconnection, thus not negligently omitting to take up suitable measures necessary for safety of the persons employed therein as required under Reg. 47(5)(b) & 98 of the OMR, 1984 read with Reg. 18(1), 20(3) & 23 of the Oil Mines Regulations, 1984, and
  - iii) high pressure 2 inches chicksan test line fitted with flexible joints with the casing head housing, been thoroughly inspected, checked & examined for ensuing fitting of proper pressure rated bend and pressure test line i.e. 5000 psi, which was necessary for safety of person employed therein, as required under Reg. 47(1) of the Oil Mines Regulations, 1984, read with Reg. 18(1), 20(7) & 23 of the Oil Mines Regulations, 1984 & safe operating procedures framed by the Mine Management.

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 1901-2011

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

**Statement 4.13 (Continued)**

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

**Statement 4.13 (Continued)**

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

## STATEMENT NO. 4.14

### **Particulars of court of enquiries instituted under the Mines Act to enquire into the accidents in non-coal mines during the year 1901-2011**

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

**SECTION – I**

**EMPLOYMENT**

**AND**

**OUTPUT**

**SECTION – II**

**MACHINERY**

**SECTION – III**

**EXPLOSIVES**

**SECTION – IV**

**ACCIDENT**

**SECTION – V**

**MISCELLANEOUS**