



STATISTICS OF MINES  
IN INDIA  
VOLUME – I - (COAL)  
2012



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

# **STATISTICS OF MINES IN INDIA**

**VOLUME-I (COAL)**

**2012**

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

## प्रस्तावना

खान सुरक्षा महानिदेशालय जिस पर देशभर में खान अधिनियम 1952 को प्रवर्तित करने की जिम्मेवारी है, कोयला खान विनियम 1957 के तहत विविध सांविधिक विवरणी एवं सूचनाएँ प्राप्त करते हैं। "रटैटिस्टीक्स ऑफ माइन्स इन इन्डिया"- वॉल्यूम -I (कोल) शीर्षक नामक वर्ष 2012 के लिए यह प्रकाशन ऐसी ही विवरणी एवं सूचनाओं पर आधारित है जो खान अधिनियम 1952 की अधिकारिता के अन्तर्गत आनेवाले भारत के सभी कोयला खानों को समाविष्ट करता है।

यह प्रकाशन रोजगार, उत्पादन, उत्पादकता तथा अन्य सम्बद्ध रूपरेखाओं जैसे कोयला खानों में सीम की गैसीनेस, यंत्रीकरण तथा विस्फोटकों आदि का प्रयोग सम्बन्धित सूचना पर प्रकाश डालता है। इसके अतिरिक्त संदर्भ वर्ष के दौरान कोयला के खानों में घटित प्रत्येक प्राणघातक दुर्घटना के सम्बन्ध में डी.जी.एम.एस. के अधिकारियों द्वारा सम्पादित जॉच के नतीजों का संक्षिप्त वर्णन भी दिया गया है। इस प्रकाशन में चार या उससे अधिक मृत्यु की सूची तथा वर्ष 1901 से कोयला के खानों में घटित विभिन्न दुर्घटनाओं के लिए गठित जॉच-न्यायालयों की अद्यतन सूची को भी शामिल किया गया है।

मुझे आशा है कि यह खंड कोयला खनन उद्योग से परोक्ष या अपरोक्ष रूप से जुड़े सभी व्यक्तियों के लिए लाभकारी होगा।

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

जून, 2015  
धनबाद।

१३८  
राहुल गुहा  
खान सुरक्षा महानिदेशक

## **PREFACE**

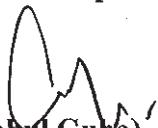
**Directorate General of Mines Safety (DGMS), entrusted to enforce the Mines Act, 1952 throughout the country, receives various statutory Returns and Notices under the Coal Mines Regulations, 1957. This publication entitled "Statistics of Mines in India- Vol. I (Coal)" for the year 2012 is based on such Returns and Notices and covers the coal mines in India coming under the purview of the Mines Act, 1952.**

This publication contains information regarding employment, production, productivity and other associated aspects such as gassiness of seams, mechanisation, consumption of explosives etc. in coal mines. In addition, it also contains information regarding accidents in coal mines and brief description of findings of enquiry conducted by officers of DGMS in respect of each and every fatal accident that occurred during the reference year. An updated list of all fatal accidents involving 4 or more deaths and a list of Court of Inquiries held for different accidents in coal mines since 1901 are also included in this publication.

I hope this publication will be quite useful to all persons connected directly or indirectly with the coal mining industry.

I welcome any suggestion for improvement of the publication.

June, 2015  
Dhanbad

  
(Rahul Guha)

Director General of Mines Safety

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## **INTRODUCTION**

The statistics presented in this volume relate to all the coal mines coming under the purview of Mines Act, 1952 and are mainly compiled on the basis of the yearly information submitted by these coal mines on statutory basis under the provisions of the Coal Mines Regulations, 1957. This is supplemented by the accident notices submitted by the management and the reports of enquiry conducted by the officers of the Directorate General of Mines Safety who investigate into the causes and circumstances leading to each and every fatal accident occurred in these mines.

The present publication has been divided into six sections. A brief note giving the salient features and explanatory note on each section is given below:

### **SECTION - I: EMPLOYMENT AND OUTPUT**

Employment figures presented in this section cover all persons employed in mines as defined in Section 2(h) of the Mines Act, 1952 whether employed permanently or on temporary basis, direct or through Contractors and include clerical and supervisory staff also. Senior Supervisory Officials like Agents, Managers, Under Managers, Engineers, Doctors are excluded in calculating figures for average daily employment.

Average daily employment of a mine is the ratio of total number of man-shift worked to the total number of working days during the year. Average daily employment of a district / state or owner is sum total of the average daily employment of all the mines belonging to that district / state or owner.

#### **Statement No.1.1**

Trend in average daily employment is presented for some major coal producing states only and also for all India. As all states are not shown in this table, the total arrived at by adding the employment data for these states will not tally with all India figure.

#### **Statement Nos. 1.11 to 1.14**

**These statements contain information on output by method of work and mechanisation separately for underground and opencast workings.**

**In respect of mines having belowground workings, mechanisation has been defined as follows: -**

**Fully Mechanised - Where coal is cut and loaded by machines.**

**Semi Mechanised - Where coal is cut by coal cutting machines and blasted with explosives.**

**Manual - Where coal is obtained by solid blasting (with one free face) or where coal is cut and loaded by manual means only.**

**In respect of opencast mines mechanisation has been defined as follows: -**

**Fully Mechanised - Where coal is obtained by deep hole blasting and Earth Moving Machineries.**

**Semi Mechanised - Where coal is obtained by compressed air / power drills but hand loaded.**

**Manual - Where coal is cut and loaded by manual means only.**

#### **Statement Nos.1.18 & 1.19**

**Productivity has been computed in terms of output per man year (OMY) and output per manshift (OMS).**

**OMY for a district / state or owner is calculated by dividing the figures of total amount of coal raised during the reference year by that district / state or owner, by figures of average daily employment for that district / state or owner during the year.**

**OMS is similarly calculated by using total number of manshifts worked in place of average daily employment.**

## **SECTION - II : GASSINESS**

**This section relates to statistics of mines having belowground workings as per different degree of gassy seams. The degree of gassiness of seams is defined as follows :-**

**Gassy seam of the first degree :-**

**A coal seam or part thereof lying within the precincts of a mine not being an opencast working whether or not inflammable gas is actually detected in the general body of the air at any place in its workings belowground, or when the percentage of the inflammable gas, if and when detected, in such general body of air does not exceed 0.1 and the rates of emission of such gas does not exceed one cubic metre per tonne of coal produced.**

**Gassy seam of the second degree :-**

**A coal seam or part thereof lying within the precincts of a mine not being an opencast working in which the percentage of inflammable gas in the general body of air at any place in the working of the seam is more than 0.1 or the rate of emission of inflammable gas per tonne of coal produced exceeds one cubic metre but does not exceed ten cubic metres.**

**Gassy seam of the third degree :-**

**A coal seam or part thereof lying within the precincts of a mine not being an opencast working in which the rate of emission of inflammable gas per tonne of coal produced exceeds ten cubic metres.**

**"General body of air" means the general atmosphere in a seam and include general atmosphere in the sealed off areas or in any borehole drilled in coal or the adjacent strata.**

**The employment and output figures for Degree-II and Degree III mines relates to the seams having gassiness of Degree-II and Degree-III only.**

## **SECTION - III : EXPLOSIVES**

**This section indicates consumption of permitted and non-permitted explosives used for producing coal and removing overburden.**

#### **SECTION IV : MACHINERIES**

**This section indicates number of different machineries and their aggregate Horse Power used in coal mines separately in belowground, opencast and aboveground workings. Machineries, which are kept in reserve, have not been included in compilation.**

#### **SECTION - V : ACCIDENTS**

**Statistics of accidents presents in this section are compiled from the Notices of accidents submitted to the Director General of Mines Safety as required under the provisions of Regulation 9 of the Coal Mines Regulations, 1957 and from the reports of the officers of Directorate General of Mines Safety who enquire into accidents.**

**Fatal accidents are those in which at least one death is involved.**

**Serious bodily injury is defined as any injury which involves or in all probability will involve, the permanent loss of any part or section of a body or the use of any part or section of a body, or the permanent loss of or incapacity or the fracture of any bone or one or more joints or bones or any phalanges of hand or foot.**

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

**A list of all fatal accidents involving four or more deaths and a list of courts of enquiry held for different accidents in coal mines since 1901 are given in Statement nos. 5.14 & 5.15 respectively.**

#### **SECTION – VI : MISCELLANEOUS**

**With a view to give an idea in brief about the extent of trading activities in the coal industries, information on export and import of Coal & Coke has been collected from the Directorate General of Commercial Intelligence and Statistics. This information has been presented in statement No. 6.1.**

**Statement No. 6.2 present the trend in Index of labour earnings for different states with 1985 as base year. Index has been calculated using Laspeyre's formula with the total average daily employment of different category of workers in different States as weights.**

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*Notes: 1. Figures of Andhra Pradesh available in state-wise tables includes that of the state Telangana also. The state Telangana was not formed during 2012.*

**SECTION – I**

**EMPLOYMENT**

**AND**

**OUTPUT**

**STATEMENT NO.1.1**  
**TREND IN AVERAGE DAILY EMPLOYMENT**  
(IN THOUSAND)

Year	Major States									Place of work			
	Andhra Pradesh	Chatti- sgarh	Jhar- khand	Madhya@ Pradesh	Mahar- ashtra	Orissa	Tamil- nadu	West Bengal	All*	India	Below ground	Open- cast	Above ground
1	2	3	4	5	6	7	8	9	10	11	12	13	
1966	25.6	...	205.1	48.2	7.3	7.5	3.0	124.6	425	254	48	123	
1971	21.6	...	187.4	49.7	7.9	7.6	4.4	99.2	382	228	43	111	
1976	37.6	...	241.8	66.3	15.8	8.9	4.2	130.8	510	276	71	163	
1981	41.2	...	225.9	76.9	19.3	10.3	5.3	129.1	513	302	55	156	
1986	58.0	...	219.6	91.6	25.9	12.4	6.0	121.4	543	312	63	168	
1991	73.5	...	214.2	97.1	31.6	14.4	5.3	109.2	554	316	67	171	
1992	73.4	...	209.8	98.2	32.8	15.3	5.7	107.8	552	311	67	174	
1993	75.8	...	202.4	97.8	32.5	15.2	6.9	106.8	546	308	68	170	
1994	71.6	...	193.7	93.4	32.4	15.4	6.9	101.9	524	293	67	164	
1995	72.2	...	187.5	94.2	32.1	15.6	6.9	96.3	513	287	68	158	
1996	71.8	...	182.6	91.3	31.9	16.5	7.6	95.9	506	281	68	157	
1997	70.7	...	176.2	93.8	33.1	16.5	7.0	96.8	503	279	68	156	
1998	68.6	...	166.4	93.5	34.2	16.6	7.1	95.6	491	270	69	152	
1999	68.6	...	158.1	90.3	32.8	17.7	7.4	87.8	476	258	71	147	
2000	67.2	36.3	148.1	53.4	33.6	17.7	7.1	82.2	458	249	69	140	
2001	65.4	35.4	141.1	49.8	31.3	16.0	7.4	79.5	438	239	69	130	
2002	62.3	35.1	135.7	48.9	30.7	16.3	7.3	74.2	423	225	69	129	
2003	60.6	35.1	129.2	49.4	30.5	18.4	9.1	72.9	417	216	69	132	
2004	59.7	35.9	121.9	48.6	29.2	17.8	9.8	70.6	405	211	70	124	
2005	58.7	36.1	118.8	45.2	22.9	17.4	12.1	69.5	399	205	70	124	
2006	57.8	36.3	114.6	44.9	28.7	16.4	10.6	64.5	386	196	76	114	
2007	55.9	33.3	113.5	45.3	27.6	16.6	12.8	63.2	379	188	80	111	
2008	57.9	32.0	100.8	46.9	29.4	16.5	12.6	63.6	369	187	77	105	
2009	62.9	32.2	101.1	44.5	29.3	18.4	10.8	62.4	374	186	80	108	
2010	69.7	31.6	95.5	43.8	26.4	18.9	11.1	58.8	370	182	83	105	
2011	65.4	32.6	94.9	45.4	27.5	19.2	9.0	56.2	366	178	86	102	
2012	61.0	34.0	89.9	48.1	27.2	20.1	9.0	53.2	359	172	88	98	

-- Includes other states. @ - Figures of Madhya Pradesh includes Chattisgarh prior to 2000.

**STATEMENT NO. 1.2**

**AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2012.**

STATE/DISTRICT	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
<b>1. COAL</b>																		
ANDHRA PRADESH																		
Adilabad	22	19401	1154	788	4578	2133	16046	609	235	271	2014	276	1065	1341	19302	99		
Karimnagar	19	25649	966	850	2481	2816	16775	483	22	3804	5134	497	3243	3740	25463	186		
Khammam	11	10332	2644	167	173	411	2832	223	691	250	3969	285	3246	3531	10253	79		
Warangal	7	5709	107	257	779	648	4770	17	--	42	507	69	363	432	5707	2		
<b>TOTAL: ANDHRA PRADESH</b>	<b>59</b>	<b>61091</b>	<b>4871</b>	<b>2062</b>	<b>8011</b>	<b>6008</b>	<b>40423</b>	<b>1332</b>	<b>948</b>	<b>4367</b>	<b>11624</b>	<b>1127</b>	<b>7917</b>	<b>9044</b>	<b>60725</b>	<b>366</b>		
ARUNACHAL PRADESH																		
Chaglong	1	408	--	--	--	--	--	12	--	--	18	60	330	390	406	2		
ASSAM																		
Tinsukia	5	1948	432	39	322	67	476	83	105	616	903	154	415	569	1867	81		
CHATTISGARH																		
Bilaspur	2	571	20	31	5	421	467	--	--	--	--	27	77	104	551	20		
Raigarh	11	5383	2569	150	249	--	2489	163	565	151	2020	252	622	874	5374	9		
Surguja	15	7409	611	333	335	1696	4775	120	70	338	1308	364	962	1326	7317	92		
Korea	17	9386	498	550	458	2197	7487	6	--	59	65	459	1375	1834	9138	248		
Korba	16	11292	850	260	737	1821	3743	177	--	1066	3082	1452	3015	4467	11081	211		
<b>TOTAL: CHATTISGARH</b>	<b>61</b>	<b>34041</b>	<b>4548</b>	<b>1324</b>	<b>1784</b>	<b>6135</b>	<b>18961</b>	<b>466</b>	<b>635</b>	<b>1614</b>	<b>6475</b>	<b>2554</b>	<b>6051</b>	<b>8605</b>	<b>33461</b>	<b>580</b>		
JHARKHAND																		
Deoghar	2	1269	--	--	--	--	--	16	3	443	566	103	600	703	1144	125		
Dhanbad	93	52570	1889	1757	4081	9789	29604	484	471	3976	9320	3427	10219	13646	50037	2533		
Giridih	3	568	40	--	--	--	--	20	--	108	301	58	209	267	560	8		
Godda	1	1900	--	--	--	--	--	38	--	--	848	102	950	1052	1759	141		
Hazaribagh	35	14844	295	227	1440	1346	4273	365	642	1309	5259	1661	3651	5312	13987	857		
Palamau	4	686	147	--	--	--	--	42	77	171	366	95	225	320	681	5		
Ranchi	6	2996	98	21	42	132	262	70	--	1024	1249	403	1082	1485	2789	207		
Sahibganj	1	49	2	--	--	--	--	2	--	17	32	7	10	17	49	--		
Bokaro	22	11230	535	170	1060	1050	3317	239	1100	1882	4968	954	1991	2945	10459	771		
Pakur	1	569	--	--	--	--	--	21	--	227	418	103	48	151	569	--		
Chatra	3	2238	257	22	67	267	356	82	324	162	908	281	693	974	2191	47		
Latehar	1	119	64	--	--	--	--	6	--	72	78	14	27	41	119	--		
Ramgarh	2	838	--	--	--	--	--	24	308	354	686	88	64	152	832	6		
<b>TOTAL: JHARKHAND</b>	<b>174</b>	<b>89876</b>	<b>3327</b>	<b>2197</b>	<b>6690</b>	<b>12584</b>	<b>37812</b>	<b>1409</b>	<b>2925</b>	<b>9745</b>	<b>24999</b>	<b>7296</b>	<b>19769</b>	<b>27065</b>	<b>85176</b>	<b>4700</b>		

**STATEMENT NO. 1.2 (Cont.)**

STATE/DISTRICT	NO. OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL INCLUD- ING OTHERS	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
<b>JAMMU &amp; KASHMIR</b>																		
Rajauri	2	488	--	13	197	--	368	--	--	--	--	9	111	120	488	--		
Udhampur	1	128	--	3	72	--	100	--	--	--	--	3	25	28	128	--		
<b>TOTAL: JAMMU &amp; KASHMIR</b>	<b>3</b>	<b>616</b>	<b>--</b>	<b>16</b>	<b>269</b>	<b>--</b>	<b>468</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>12</b>	<b>136</b>	<b>148</b>	<b>616</b>	<b>--</b>		
<b>MADHYA PRADESH</b>																		
Narsigpur	1	403	340	--	--	--	--	13	--	36	158	47	198	245	403	--		
Betul	9	4708	44	310	187	1794	3974	--	--	--	--	205	529	734	4668	40		
Chhindwara	23	6591	332	339	399	2082	4804	46	1	87	344	357	1086	1443	6333	258		
Shahdol	27	17342	1140	736	2008	2687	11626	90	18	258	517	1435	3764	5199	17025	317		
Sidhi	4	11339	5170	--	--	--	--	176	79	3377	7994	939	2406	3345	11204	135		
Umaria	8	6165	301	381	1	2196	4848	13	--	50	63	243	1011	1254	6089	76		
Anuppur	2	1097	174	35	269	--	655	27	--	7	239	86	117	203	1072	25		
Singrauli	1	558	255	--	--	--	--	15	--	--	339	41	178	219	550	8		
<b>TOTAL: MADHYA PRADESH</b>	<b>75</b>	<b>48203</b>	<b>7756</b>	<b>1801</b>	<b>2864</b>	<b>8759</b>	<b>25907</b>	<b>380</b>	<b>98</b>	<b>3815</b>	<b>9654</b>	<b>3353</b>	<b>9289</b>	<b>12642</b>	<b>47344</b>	<b>859</b>		
<b>MAHARASHTRA</b>																		
Chandrapur	30	15589	789	265	750	1926	4986	252	32	2252	3737	1632	5234	6866	15186	403		
Nagpur	13	6833	51	249	707	1730	3888	97	117	507	893	416	1636	2052	6746	87		
Yavatmal	13	4750	251	42	--	--	661	163	120	350	2411	422	1256	1678	4647	103		
<b>TOTAL: MAHARASHTRA</b>	<b>56</b>	<b>27172</b>	<b>1091</b>	<b>556</b>	<b>1457</b>	<b>3656</b>	<b>9535</b>	<b>512</b>	<b>269</b>	<b>3109</b>	<b>7041</b>	<b>2470</b>	<b>8126</b>	<b>10596</b>	<b>26579</b>	<b>593</b>		
<b>ORISSA</b>																		
Angul	12	10878	3297	83	152	846	1690	193	13	1484	4967	812	3409	4221	10552	326		
Sambalpur	1	275	144	--	--	--	--	11	9	82	110	10	155	165	274	1		
Sundergarh	2	1455	570	--	--	--	--	34	--	1180	1296	78	81	159	1409	46		
Jharsuguda	11	7541	1579	209	42	1147	2871	143	50	675	2578	604	1488	2092	7431	110		
<b>TOTAL: ORISSA</b>	<b>26</b>	<b>20149</b>	<b>5590</b>	<b>292</b>	<b>194</b>	<b>1993</b>	<b>4561</b>	<b>381</b>	<b>72</b>	<b>3421</b>	<b>8951</b>	<b>1504</b>	<b>5133</b>	<b>6637</b>	<b>19666</b>	<b>483</b>		
<b>UTTAR PRADESH</b>																		
Sonebhadra	5	8624	2933	--	--	--	--	177	24	2977	5272	744	2608	3352	8427	197		
<b>WEST BENGAL</b>																		
Bankura	3	880	224	24	--	363	403	64	--	196	270	103	104	207	857	23		
Birbhum	3	187	--	--	--	3	6	17	--	--	144	11	26	37	183	4		
Burdwan	92	50670	2425	1679	3735	12105	32588	229	212	1549	3398	2920	11764	14684	48075	2595		
Purulia	2	1437	--	56	288	282	1012	--	--	--	--	70	355	425	1417	20		
<b>TOTAL: WEST BENGAL</b>	<b>100</b>	<b>53174</b>	<b>2649</b>	<b>1759</b>	<b>4023</b>	<b>12753</b>	<b>34009</b>	<b>310</b>	<b>212</b>	<b>1745</b>	<b>3812</b>	<b>3104</b>	<b>12249</b>	<b>15353</b>	<b>50532</b>	<b>2642</b>		
ALL INDIA : COAL	565	345302	33197	10046	25614	51955	172152	5062	5288	31409	78749	22378	72023	94401	334799	10503		

**STATEMENT NO. 1.2 (Cont.)**

STATE/DISTRICT	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLUD- ING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
<b>2. LIGNITE</b>																		
GUJARAT																		
Bharuch	2	1059	626	--	--	--	--	36	451	--	849	83	127	210	1045	14		
Bhavanagar	2	286	165	--	--	--	--	17	--	111	179	26	81	107	284	2		
Kutch	2	615	--	--	--	--	--	25	110	--	333	21	261	282	594	21		
Surat	3	571	478	--	--	--	--	27	--	156	496	22	53	75	571	--		
<b>TOTAL: GUJARAT</b>	<b>9</b>	<b>2531</b>	<b>1269</b>	--	--	--	--	<b>105</b>	<b>561</b>	<b>267</b>	<b>1857</b>	<b>152</b>	<b>522</b>	<b>674</b>	<b>2494</b>	<b>37</b>		
RAJASTHAN																		
Barmer	2	1042	976	--	--	--	--	14	122	58	569	63	410	473	1042	--		
Bikaner	3	438	354	--	--	--	--	14	--	--	413	15	10	25	438	--		
Nagaur	1	160	107	--	--	--	--	12	1	--	62	36	62	98	160	--		
<b>TOTAL: RAJASTHAN</b>	<b>6</b>	<b>1640</b>	<b>1437</b>	--	--	--	--	<b>40</b>	<b>123</b>	<b>58</b>	<b>1044</b>	<b>114</b>	<b>482</b>	<b>596</b>	<b>1640</b>	<b>--</b>		
TAMILNADU																		
Cuddalore	2	9041	3635	--	--	--	--	1621	425	--	6460	757	1824	2581	9041	--		
<b>ALL INDIA : LIGNITE</b>	<b>17</b>	<b>13212</b>	<b>6341</b>	--	--	--	--	<b>1766</b>	<b>1109</b>	<b>325</b>	<b>9361</b>	<b>1023</b>	<b>2828</b>	<b>3851</b>	<b>13175</b>	<b>37</b>		
<b>ALL INDIA : ALL COAL</b>	<b>582</b>	<b>358514</b>	<b>39538</b>	<b>10046</b>	<b>25614</b>	<b>51955</b>	<b>172152</b>	<b>6828</b>	<b>6397</b>	<b>31734</b>	<b>88110</b>	<b>23401</b>	<b>74851</b>	<b>98252</b>	<b>347974</b>	<b>10540</b>		

**STATEMENT NO. 1.3**

**AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2012 : OWNERWISE**

OWNER	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS				ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)		OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLUD- ING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
BCCL	76	42517	437	1145	2561	8356	21926	440	220	3928	8746	2871	8974	11845	40306	2211	
CCL	66	29781	622	395	2478	2795	7378	741	2374	4932	11824	3293	7286	10579	27946	1835	
ECL	107	58186	798	1966	4670	13356	36375	238	465	1321	4039	3600	14172	17772	54921	3265	
MCL	25	19874	5446	292	194	1993	4561	370	63	3339	8841	1494	4978	6472	19392	482	
NCL	10	20521	8358	--	--	--	--	368	103	6354	13605	1724	5192	6916	20181	340	
NEC	5	1948	432	39	322	67	476	83	105	616	903	154	415	569	1867	81	
SECL	89	53965	3908	2343	4062	11018	33945	446	88	1922	5608	4074	10338	14412	52975	990	
WCL	84	37229	1076	1181	1741	7532	17970	506	270	2525	6621	2979	9659	12638	36338	891	
 <b>CIL</b>	 462	 264021	 21077	 7361	 16028	 45117	 122631	 3192	 3688	 24937	 60187	 20189	 61014	 81203	 253926	 10095	
JSMDC	1	119	64	--	--	--	--	6	--	72	78	14	27	41	119	--	
DVC	1	168	--	--	--	--	--	14	--	23	71	47	50	97	163	5	
GMDC	6	2108	916	--	--	--	--	80	561	267	1497	139	472	611	2071	37	
IISCO	4	1615	477	101	43	145	624	43	1	--	509	87	395	482	1600	15	
J&K Min.	3	616	--	16	269	--	468	--	--	--	--	12	136	148	616	--	
NLC	4	9357	3889	--	--	--	--	1628	425	--	6766	767	1824	2591	9357	--	
SCCL	59	61091	4871	2062	8011	6008	40423	1332	948	4367	11624	1127	7917	9044	60725	366	
TISCO	9	7448	1399	326	830	685	5220	65	--	55	1440	202	586	788	7437	11	
RSMDC	1	192	152	--	--	--	--	8	84	13	132	20	40	60	192	--	
PIL	1	273	--	19	--	--	205	--	--	--	15	53	68	273	--		
GIPCL	2	351	312	--	--	--	--	15	--	--	299	12	40	52	351	--	
GHCL	1	72	41	--	--	--	--	10	--	--	61	1	10	11	72	--	
JINDAL	3	1451	1223	--	--	--	--	88	425	--	1133	72	246	318	1451	--	
BENGALEMATA	3	554	362	--	--	--	--	43	--	--	480	14	60	74	554	--	
APMDTC	1	408	--	--	--	--	--	12	--	--	18	60	330	390	406	2	
BLAI	1	403	340	--	--	--	--	13	--	36	158	47	198	245	403	--	
ICML	1	1116	1100	--	--	--	--	30	--	736	766	74	276	350	1116	--	
INDAL	1	275	144	--	--	--	--	11	9	82	110	10	155	165	274	1	
MIL	1	1657	214	69	--	--	1419	--	--	--	--	80	158	238	1657	--	
CTL	1	47	40	--	--	--	--	3	--	--	7	5	35	40	47	--	
RSMM	1	160	107	--	--	--	--	12	1	--	62	36	62	98	160	--	
PCML	1	569	--	--	--	--	--	21	--	227	418	103	48	151	569	--	
JNL	1	754	594	45	--	--	521	12	--	--	131	30	72	102	754	--	
RASL	2	520	84	--	--	--	--	34	60	353	457	40	23	63	520	--	
SISCL	1	381	332	24	302	--	343	--	--	--	--	8	30	38	381	--	
ELCALTD	1	391	323	23	131	--	298	--	--	--	--	27	66	93	391	--	
VSLPPL	1	122	100	--	--	--	--	7	--	--	107	5	10	15	122	--	
WBMD&TCL	1	38	--	--	--	--	--	2	--	--	12	10	16	26	38	--	
UML	1	221	147	--	--	--	--	11	77	--	163	31	27	58	221	--	
DVC EMTA	2	660	207	--	--	--	--	85	--	514	599	30	31	61	660	--	
SEML	3	506	199	--	--	--	--	45	80	7	388	44	74	118	498	8	
BLMCL	1	850	824	--	--	--	--	6	38	45	437	43	370	413	850	--	
 <b>ALL INDIA</b>	 582	 358514	 39538	 10046	 25614	 51955	 172152	 6828	 6397	 31734	 88110	 23401	 74851	 98252	 347974	 10540	

**STATEMENT NO. 1.4**

**MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2012.**

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
<b>1.COAL</b>				
ANDHRA PRADESH				
Adilabad	4738050	665832	402453	5806335
Karimnagar	5122073	1633549	1227530	7983152
Khammam	863392	1282411	1084734	3230537
Warangal	1458573	161598	131426	1751597
<b>TOTAL: ANDHRA PRADESH</b>	<b>12182088</b>	<b>3743390</b>	<b>2846143</b>	<b>18771621</b>
ARUNACHAL PRADESH				
Chaglong	--	5060	107410	112470
ASSAM				
Tinsukia	145002	284381	177995	607378
CHATTISGARH				
Bilaspur	168523	--	37455	205978
Raigarh	865480	616254	283561	1765295
Surguja	1722222	458000	471061	2651283
Korea	2645258	21534	648441	3315233
Korba	1322628	1048330	1535633	3906591
<b>TOTAL: CHATTISGARH</b>	<b>6724111</b>	<b>2144118</b>	<b>2976151</b>	<b>11844380</b>

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

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
<b>JHARKHAND</b>				
Deoghar	--	205868	246159	452027
Dhanbad	9031995	3175268	4352819	16560082
Giridih	--	101404	88716	190120
Godda	--	309520	383980	693500
Hazaribagh	1260464	1722290	1700222	4682976
Palamau	--	110746	94865	205611
Ranchi	80907	454033	526944	1061884
Sahebganj	--	9750	4616	14366
Bokaro	996246	1619412	925397	3541055
Pakur	--	132223	47694	179917
Chatra	109210	309245	317899	736354
Latehar	--	23477	12366	35843
Ramgarh	--	237104	55043	292147
<b>TOTAL: JHARKHAND</b>	<b>11478822</b>	<b>8410340</b>	<b>8756720</b>	<b>28645882</b>
<b>JAMMU &amp; KASHMIR</b>				
Rajauri	105474	--	33552	139026
Udhampur	30400	--	8512	38912
<b>TOTAL: JAMMU &amp; KASHMIR</b>	<b>135874</b>	<b>--</b>	<b>42064</b>	<b>177938</b>
<b>MADHYA PRADESH</b>				
Narsigpur	--	48317	74689	123006
Betul	1327096	--	235951	1563047
Chhindwara	1580007	104969	442112	2127088
Shahdol	3926245	182408	1721981	5830634
Sidhi	--	2628552	1082055	3710607
Umaria	1682935	16088	416483	2115506
Anuppur	239224	87362	72156	398742
Singrauli	--	105768	65832	171600
<b>TOTAL: MADHYA PRADESH</b>	<b>8755507</b>	<b>3173464</b>	<b>4111259</b>	<b>16040230</b>

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

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
<b>MAHARASHTRA</b>				
Chandrapur	1730442	1214185	2233322	5177949
Nagpur	1290406	300599	677802	2268807
Yavatmal	236960	802664	550678	1590302
<b>TOTAL: MAHARASHTRA</b>	<b>3257808</b>	<b>2317448</b>	<b>3461802</b>	<b>9037058</b>
<b>ORISSA</b>				
Angul	583134	1751540	1427069	3761743
Sambalpur	--	33672	50264	83936
Sundergarh	--	466865	54122	520987
Jharsuguda	921172	876438	674018	2471628
<b>TOTAL: ORISSA</b>	<b>1504306</b>	<b>3128515</b>	<b>2205473</b>	<b>6838294</b>
<b>UTTAR PRADESH</b>				
Sonebhadra	--	1681454	1085242	2766696
<b>WEST BENGAL</b>				
Bankura	122773	78369	64260	265402
Birbhum	1800	51592	11788	65180
Burdwan	9984579	1102538	4662704	15749821
Purulia	268175	--	140855	409030
<b>TOTAL: WEST BENGAL</b>	<b>10377327</b>	<b>1232499</b>	<b>4879607</b>	<b>16489433</b>
<b>ALL INDIA : COAL</b>	<b>54560845</b>	<b>26120669</b>	<b>30649866</b>	<b>111331380</b>

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

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
<b>2. LIGNITE</b>				
GUJARAT				
Bharuch	--	253621	60705	314326
Bhavanagar	--	58715	34183	92898
Kutch	--	110323	87478	197801
Surat	--	176487	26871	203358
<b>TOTAL: GUJARAT</b>	--	<b>599146</b>	<b>209237</b>	<b>808383</b>
RAJASTHAN				
Barmer	--	197294	167079	364373
Bikaner	--	149579	8663	158242
Nagaur	--	18937	29907	48844
<b>TOTAL: RAJASTHAN</b>	--	<b>365810</b>	<b>205649</b>	<b>571459</b>
TAMILNADU				
Cuddalore	--	2019776	806293	2826069
<b>ALL INDIA : LIGNITE</b>	--	<b>2984732</b>	<b>1221179</b>	<b>4205911</b>
<b>ALL INDIA : ALL COAL</b>	<b>54560845</b>	<b>29105401</b>	<b>31871045</b>	<b>115537291</b>

**STATEMENT NO. 1.5**

**MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2012 : OWNERWISE**

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
BCCL	6717730	3005360	3778306	13501396
CCL	2193705	3941382	3437590	9572677
ECL	11103531	1373940	5724586	18202057
MCL	1504306	3094843	2155209	6754358
NCL	--	4415774	2233129	6648903
NEC	145002	284381	177995	607378
SECL	11840245	1900163	4911227	18651635
WCL	6058471	2175412	4096219	12330102
 CIL	39562990	20191255	26514261	86268506
JSMDC	--	23477	12366	35843
DVC	--	21694	29694	51388
GMDC	--	470203	186529	656732
IISCO	192038	153022	146089	491149
J&K Min.	135874	--	42064	177938
NLC	--	2131270	809616	2940886
SCCL	12182088	3743390	2846143	18771621
TISCO	1557986	454664	249937	2262587
RSMDC	--	39897	18382	58279
PIL	62525	--	20740	83265
GIPCL	--	107475	18831	126306
GHCL	--	21468	3877	25345
JINDAL	--	346303	97150	443453
BENGALEMTA	--	171779	26312	198091
APMDTC	--	5060	107410	112470
BLAI	--	48317	74689	123006
ICML	--	235287	107498	342785
INDAL	--	33672	50264	83936

**STATEMENT NO. 1.5 (Cont.)**

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
MIL	510782	--	85642	596424
CTL	--	2332	14315	16647
RSMML	--	18937	29907	48844
PCML	--	132223	47694	179917
JNL	158963	39833	31228	230024
RASL	--	139698	19276	158974
SISCL	106440	--	11696	118136
ELCALTD	91159	--	28392	119551
VSLPPL	--	38085	5340	43425
WBMD&TCL	--	3744	8182	11926
UML	--	49310	17566	66876
DVC EMTA	--	189915	21220	211135
SEML	--	135694	40038	175732
BLMCL	--	157397	148697	306094
ALL INDIA	54560845	29105401	31871045	115537291

**STATEMENT NO. 1.6**

**CLASSIFICATION OF COAL MINES DURING THE YEAR, 2012 BY AVERAGE DAILY EMPLOYMENT : OWNERWISE**

OWNER	UPTO 50	51 TO 150	151 TO 250	251 TO 400	401 TO 500	501 TO 800	801 TO 1000	1001 TO 1200	1201 TO 1600	1601 TO 2000	2001 TO 2500	ABOVE 2500	TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	13
BCCL	2	6	6	15	9	25	7	1	3	1	1	--	76
CCL	4	3	8	10	14	19	6	2	--	--	--	--	66
ECL	6	3	7	25	17	31	7	7	1	2	1	--	107
MCL	2	2	1	--	--	10	3	3	2	2	--	--	25
NCL	--	--	--	--	--	3	--	--	2	--	2	3	10
NEC	--	--	2	--	--	3	--	--	--	--	--	--	5
SECL	3	5	6	14	15	32	4	4	2	2	--	2	89
WCL	5	8	6	15	18	25	4	2	1	--	--	--	84
<b>CIL</b>	<b>22</b>	<b>27</b>	<b>36</b>	<b>79</b>	<b>73</b>	<b>148</b>	<b>31</b>	<b>19</b>	<b>11</b>	<b>7</b>	<b>4</b>	<b>5</b>	<b>462</b>
JSMDC	--	1	--	--	--	--	--	--	--	--	--	--	1
DVC	--	--	1	--	--	--	--	--	--	--	--	--	1
GMDC	--	--	2	2	1	1	--	--	--	--	--	--	6
IISCO	1	--	1	--	--	2	--	--	--	--	--	--	4
J&K Min.	--	1	1	1	--	--	--	--	--	--	--	--	3
NLC	--	1	1	--	--	--	--	--	--	1	--	1	4
SCCL	1	2	2	4	3	10	11	8	10	3	3	2	59
TISCO	--	1	--	1	--	2	2	--	3	--	--	--	9
RSMDC	--	--	1	--	--	--	--	--	--	--	--	--	1

**STATEMENT NO. 1.6 (cont.)**

OWNER	UPTO 50	51 TO 150	151 TO 250	251 TO 400	401 TO 500	501 TO 800	801 TO 1000	1001 TO 1200	1201 TO 1600	1601 TO 2000	2001 TO 2500	ABOVE 2500	TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
PIL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
GIPCL	--	--	2	--	--	--	--	--	--	--	--	--	--	2
GHCL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
JINDAL	--	--	--	--	2	1	--	--	--	--	--	--	--	3
BENGALEMTA	1	1	--	1	--	--	--	--	--	--	--	--	--	3
APMDTC	--	--	--	--	1	--	--	--	--	--	--	--	--	1
BLAI	--	--	--	--	1	--	--	--	--	--	--	--	--	1
ICML	--	--	--	--	--	--	--	--	1	--	--	--	--	1
INDAL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
MIL	--	--	--	--	--	--	--	--	--	1	--	--	--	1
CTL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
RSMML	--	--	1	--	--	--	--	--	--	--	--	--	--	1
PCML	--	--	--	--	--	1	--	--	--	--	--	--	--	1
JNL	--	--	--	--	--	1	--	--	--	--	--	--	--	1
RASL	--	1	--	--	1	--	--	--	--	--	--	--	--	2
SISCL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
ELCALTD	--	--	--	1	--	--	--	--	--	--	--	--	--	1
VSLPPL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
WBMD&TCL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
UML	--	--	1	--	--	--	--	--	--	--	--	--	--	1

**STATEMENT NO. 1.6 (cont.)**

OWNER	UPTO	51	151	251	401	501	801	1001	1201	1601	2001	ABOVE 2500	TOTAL
	50	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	TO	
	150	250	400	500	800	1000	1200	1600	1600	2000	2500		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
DVC EMTA	--	--	--	2	--	--	--	--	--	--	--	--	2
SEML	--	2	--	1	--	--	--	--	--	--	--	--	3
BLMCL	--	--	--	--	--	--	1	--	--	--	--	--	1
ALL INDIA	27	39	49	95	82	166	45	28	24	12	7	8	582

**STATEMENT No. 1.7**  
**EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2012.**

STATE/DISTRICT	NO. OF MINES	BELOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
<b>1. COAL</b>					
ANDHRA PRADESH					
Adilabad	22	19372	2476	1730	23578
Karimnagar	19	20162	6217	4520	30899
Khammam	11	3399	4763	4238	12400
Warangal	7	5724	608	518	6850
<b>TOTAL: ANDHRA PRADESH</b>	<b>59</b>	<b>48657</b>	<b>14064</b>	<b>11006</b>	<b>73727</b>
ARUNACHAL PRADESH					
Chaglong	1	--	26	560	586
ASSAM					
Tinsukia	5	572	1084	683	2339
CHATTISGARH					
Bilaspur	2	560	--	125	685
Raigarh	11	2922	2453	1082	6457
Surguja	15	5700	1572	1583	8855
Korea	17	9087	78	2201	11366
Korba	16	4245	3945	5360	13550
<b>TOTAL: CHATTISGARH</b>	<b>61</b>	<b>22514</b>	<b>8048</b>	<b>10351</b>	<b>40913</b>
JHARKHAND					
Deoghar	2	--	679	844	1523
Dhanbad	93	35755	11046	16393	63194
Giridih	3	--	361	321	682
Godda	1	--	1018	1262	2280
Hazaribagh	35	4980	6447	6400	17827
Palamau	4	--	436	385	821
Ranchi	6	314	1456	1702	3472
Sahibganj	1	--	38	20	58
Bokaro	22	4022	5962	3557	13541
Pakur	1	--	502	181	683
Chatra	3	897	619	1169	2685
Latehar	1	--	94	49	143
Ramgarh	2	--	823	182	1005
<b>TOTAL: JHARKHAND</b>	<b>174</b>	<b>45968</b>	<b>29481</b>	<b>32465</b>	<b>107914</b>
JAMMU & KASHMIR					
Rajauri	2	442	--	144	586
Udhampur	1	120	--	34	154
<b>TOTAL: JAMMU &amp; KASHMIR</b>	<b>3</b>	<b>562</b>	<b>--</b>	<b>178</b>	<b>740</b>
MADHYA PRADESH					
Narsigpur	1	--	190	294	484
Betul	9	4769	--	1660	6429
Chhindwara	23	5850	399	1837	8086
Shahdol	27	14159	621	6337	21117
Sidhi	4	--	9593	4014	13607
Umaria	8	5818	76	1504	7398
Anuppur	2	786	287	244	1317
Singrauli	1	--	407	263	670
<b>TOTAL: MADHYA PRADESH</b>	<b>75</b>	<b>31382</b>	<b>11573</b>	<b>16153</b>	<b>59108</b>

**STATEMENT No. 1.7(Cont.)**

STATE/DISTRICT	NO. OF MINES	BELOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
<b>MAHARASHTRA</b>					
Chandrapur	30	5984	4486	8240	18710
Nagpur	13	4803	1071	2441	8315
Yavatmal	13	794	2894	2014	5702
<b>TOTAL: MAHARASHTRA</b>	<b>56</b>	<b>11581</b>	<b>8451</b>	<b>12695</b>	<b>32727</b>
<b>ORISSA</b>					
Angul	12	2031	5960	5075	13066
Sambalpur	1	--	132	198	330
Sundergarh	2	--	1555	191	1746
Jharsuguda	11	3447	3093	2509	9049
<b>TOTAL: ORISSA</b>	<b>26</b>	<b>5478</b>	<b>10740</b>	<b>7973</b>	<b>24191</b>
<b>UTTAR PRADESH</b>					
Sonebhadra	5	--	6327	4023	10350
<b>WEST BENGAL</b>					
Bankura	3	484	329	251	1064
Birbhum	3	7	173	47	227
Burdwan	92	38996	4084	17653	60733
Purulia	2	1214	--	510	1724
<b>TOTAL: WEST BENGAL</b>	<b>100</b>	<b>40701</b>	<b>4586</b>	<b>18461</b>	<b>63748</b>
<b>ALL INDIA : COAL</b>	<b>565</b>	<b>207415</b>	<b>94380</b>	<b>114548</b>	<b>416343</b>
<b>2. LIGNITE</b>					
<b>GUJARAT</b>					
Bharuch	2	--	1019	252	1271
Bhavanagar	2	--	217	130	347
Kutch	2	--	375	293	668
Surat	3	--	595	91	686
<b>TOTAL: GUJARAT</b>	<b>9</b>	<b>--</b>	<b>2206</b>	<b>766</b>	<b>2972</b>
<b>RAJASTHAN</b>					
Barmer	2	--	682	568	1250
Bikaner	3	--	495	30	525
Nagaur	1	--	74	118	192
<b>TOTAL: RAJASTHAN</b>	<b>6</b>	<b>--</b>	<b>1251</b>	<b>716</b>	<b>1967</b>
<b>TAMILNADU</b>					
Cuddalore	2	--	7752	3097	10849
<b>ALL INDIA : LIGNITE</b>	<b>17</b>	<b>--</b>	<b>11209</b>	<b>4579</b>	<b>15788</b>
<b>ALL INDIA :</b>	<b>582</b>	<b>207415</b>	<b>105589</b>	<b>119127</b>	<b>432131</b>

**STATEMENT NO.1.8**  
**TREND IN OUTPUT OF COAL**

YEAR	MAJOR STATES (IN MILLION TONNES )							PLACE OF WORK (IN '000 TONNES)				
	ANDHRA PRADESH	CHATT- ISGARH	JHAR- KHAND	MADHYA@ PRADESH	MAHA- RASHTRA	ORISSA	TAMIL- NADU	WEST BENGAL	ALL*	BELOW- GROUND	OPEN- CAST	TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12
1956	1.6	...	20.4	4.9	0.4	0.6	-	11.4	39.9	35,125	4,786	39,911
1961	2.7	...	27.1	6.1	0.8	0.9	-	17.1	55.7	44,887	10,822	55,709
1966	4.1	...	31.1	9.8	1.2	1.1	2.5	19.7	70.4	57,000	13,387	70,387
1971	4.6	...	32.8	13.4	2.1	1.5	3.7	17.3	75.6	58,552	17,090	75,642
1976	7.9	...	42.4	20.1	3.6	2.1	3.9	24.0	104.6	76,199	28,440	104,639
1981	11.2	...	49.6	27.4	6.8	3.2	5.6	20.4	127.3	76,205	51,120	127,325
1986	16.2	...	56.7	44.2	11.9	6.9	7.8	19.7	170.2	75,027	95,132	170,159
1991	19.6	...	68.6	70.7	18.8	19.7	12.1	17.4	237.8	70,731	167,026	237,757
1992	20.8	...	70.4	73.9	20.5	22.9	12.8	17.3	249.9	71,062	178,879	249,941
1993	24.7	...	73.7	76.0	19.8	23.8	13.5	16.5	260.6	73,672	186,935	260,607
1994	24.7	...	73.8	77.0	20.3	26.4	13.7	16.7	267.5	70,644	196,878	267,522
1995	25.6	...	72.9	82.8	22.4	31.3	17.4	16.5	284.6	68,512	216,074	284,586
1996	29.1	...	78.6	85.7	23.5	36.2	17.7	17.3	304.1	70,127	233,970	304,097
1997	28.8	...	80.7	88.8	26.1	41.0	17.9	17.0	316.7	69,062	247,619	316,681
1998	27.8	...	77.4	90.3	25.8	44.8	18.1	19.2	319.9	68,571	251,324	319,895
1999	30.0	...	74.7	84.6	26.2	42.1	17.7	17.9	315.2	68,101	247,088	315,198
2000	29.5	50.5	77.8	39.4	29.4	45.7	17.6	19.2	334.3	66,225	268,092	334,317
2001	30.8	54.2	75.2	40.6	30.8	45.6	18.6	20.0	341.5	64,134	277,379	341,513
2002	34.0	56.4	81.8	42.5	31.9	51.2	17.7	19.5	363.3	65,330	297,981	363,311
2003	33.4	59.8	78.1	51.3	30.1	56.7	20.8	20.9	379.2	63,632	315,556	379,188
2004	34.5	68.5	78.2	55.2	33.1	66.6	20.8	21.6	409.3	61,921	347,347	409,268
2005	35.6	74.8	80.4	48.9	36.4	69.9	18.2	24.3	420.8	64,086	356,759	420,845
2006	39.6	80.5	79.9	50.0	36.8	68.0	19.3	22.0	430.3	61,213	369,120	430,333
2007	45.7	86.1	88.1	52.0	35.5	84.1	22.3	21.5	481.1	62,302	418,821	481,123
2008	48.3	93.7	98.8	60.6	37.1	86.3	20.4	22.4	506.3	66,290	440,004	506,294
2009	61.4	104.3	110.1	57.7	38.8	100.2	21.5	23.0	558.8	66,835	491,982	558,817
2010	74.9	121.0	114.5	59.3	39.3	104.0	22.2	21.7	601.9	69,998	531,880	601,878
2011	78.0	123.5	113.2	58.0	42.2	100.9	23.4	21.9	607.3	69,031	538,240	607,272
2012	73.1	123.3	117.6	49.3	40.2	110.0	24.8	26.4	618.0	64,341	553,628	617,969

\* -Includes others states. @ Figures of Madhya Pradesh includes Chattisgarh prior to 2000.

**STATEMENT NO. 1.9**

**RAISING, DESPATCH AND VALUE OF COAL DURING THE YEAR, 2012.**

( IN TONNES )

STATE/DISTRICT	NUMBER OF MINES	OPENING STOCK *	RAISING	RECEIPT/ SURPLUS	COAL USED FOR COKE MAKING	COLLIERY CONSUMPTION	TRANSFER/ SHORTAGE/ REJECTION	DESPATCH	CLOSING STOCK	VALUE OF COAL RAISED ( '000 RS.)
1	2	3	4	5	6	7	8	9	10	11
<b>1. COAL</b>										
ANDHRA PRADESH										
Adilabad	22	73876	12373589	--	--	110	--	12402180	45175	17213822
Karimnagar	19	172848	29891764	3046482	--	54142	--	32795951	261001	46762825
Khammam	11	385800	29163459	--	--	--	20	29291740	257499	28258531
Warangal	7	2961	1697388	--	--	72	--	1643536	56741	3465247
TOTAL : ANDHRA PRADESH	59	635485	73126200	3046482	--	54324	20	76133407	620416	95700425
ARUNACHAL PRADESH										
Chaglong	1	21910	221928	--	--	--	--	232481	11357	275988
ASSAM										
Tinsukia	5	67279	680860	30234	--	30	30232	690322	57789	998596
CHATTISGARH										
Bilaspur	2	22057	154120	--	--	59	34938	108295	32885	154120
Raigarh	11	13069833	26882241	6257524	--	420	--	33492045	12717133	33444383
Surguja	15	376604	4652138	2084224	--	2047	1809979	5023856	277084	9516084
Korea	17	134899	4149714	1981367	6061	7217	2223483	3928195	101024	13031710
Korba	16	5010290	87510738	2316374	36	1669	2256455	89800814	2778428	80096284
TOTAL : CHATTISGARH	61	18613683	123348951	12639489	6097	11412	6324855	132353205	15906554	136242581
JHARKHAND										
Deoghar	2	26376	1443519	727302	--	2028	727282	1444892	22995	1443519
Dhanbad	93	9260002	35759186	2496315	--	100441	5110884	34302813	8001365	45907958
Giridih	3	92611	606864	283985	--	240	283668	615264	84288	606864
Godda	1	1115860	13521808	--	--	2419	--	14251442	383807	13521808
Hazaribagh	35	3343639	19110688	1914297	17096	800	2515945	18578025	3256758	22065122
Palamau	4	340830	756609	--	--	--	--	533043	564396	756609
Ranchi	6	3929912	5156443	4029172	--	--	2048598	9597814	1469115	5392528
Sahibganj	1	165126	193089	--	--	73	--	196598	161544	193089
Bokaro	22	2654642	12642406	2549958	--	4916	1694727	14902758	1244605	14273771
Pakur	1	100317	8135619	--	--	--	--	8203800	32136	8135619
Chatra	3	2563563	19356074	--	--	96	2480549	17247646	2191346	19572654
Latehar	1	1700	--	--	--	--	--	--	1700	--
Ramgarh	2	684577	909990	--	--	--	7228	759451	827888	5807424
TOTAL : JHARKHAND	174	24279155	117592295	12001029	17096	111013	14868881	120633546	18241943	137676965
JAMMU & KASHMIR										
Rajouri	2	3722	17903	--	--	120	--	17789	3716	93542
Udhampur	1	1248	3086	--	--	48	--	2600	1686	3086
TOTAL : JAMMU & KASHMIR	3	4970	20989	--	--	168	--	20389	5402	96628

**STATEMENT NO. 1.9(Cont.)**

( IN TONNES )

STATE/DISTRICT	NUMBER OF MINES	OPENING STOCK *	RAISING	RECEIPT/ SURPLUS	COAL USED FOR COKE MAKING	COLLIERY CONSUMPTION	TRANSFER/ SHORTAGE/ REJECTION	DESPATCH	CLOSING STOCK	VALUE OF COAL RAISED ('000 RS.)
1	2	3	4	5	6	7	8	9	10	11
<hr/>										
MADHYA PRADESH										
Narsipur	1	19937	331260	--	--	364	12189	334563	4081	430307
Betul	9	60295	3244723	--	--	380	--	3245900	58738	4549916
Chhindwara	23	242981	3809811	1178225	--	3354	732995	4287462	207206	4666887
Shahdol	27	296663	11818738	5204276	--	3721	4960035	12115963	239958	17772655
Sidhi	4	2077079	22700370	359983	--	--	--	20283861	4853571	26684622
Umaria	8	68252	2104674	1228713	--	852	1274280	1944466	182041	2774829
Anuppur	2	61364	1355525	--	--	180	1122470	206073	88166	2470009
Singrauli	1	131011	4709000	--	--	--	--	4382750	457261	1932053
TOTAL : MADHYA PRADESH	75	2957582	50074101	7971197	--	8851	8101969	46801038	6091022	61281278
<hr/>										
MAHARASHTRA										
Chandrapur	30	1698990	20831433	4173982	870552	3324	2656048	22115079	1312877	24023781
Nagpur	13	851899	6692879	1446167	--	853	852395	6724361	1413336	10333200
Yavatmal	13	1836879	12673250	--	--	120	--	12124454	2385555	13372581
TOTAL : MAHARASHTRA	56	4387768	40197562	5620149	870552	4297	3508443	40963894	5111768	47729562
<hr/>										
ORISSA										
Angul	12	5129265	59849056	14361507	--	4729	14361507	60769229	4204363	57460565
Sambalpur	1	71164	2290060	--	--	--	--	2272689	88535	2290060
Sundergarh	2	6826150	12284337	3711389	--	--	--	15364795	7457081	12284337
Jharsuguda	11	3106085	35893638	4669019	--	720	4601334	36107457	2959231	32085224
TOTAL : ORISSA	26	15132664	110317091	22741915	--	5449	18962841	114514170	14709210	104120186
<hr/>										
UTTAR PRADESH										
Sonebhadra	5	733637	29735500	66607	--	--	4469952	25087215	978577	30571373
WEST BENGAL										
Bankura	3	56599	1871393	--	--	2140	--	1911054	14798	2184700
Birbhum	3	9798	275193	--	--	76	--	267608	17307	951964
Burdwan	92	2244681	24102088	4326629	1161	595954	2580256	25260302	2235725	54016344
Purulia	2	8540	154953	49542	--	1332	48667	149255	13781	627100
TOTAL : WEST BENGAL	100	2319618	26403627	4376171	1161	599502	2628923	27588219	2281611	57780108
<hr/>										
ALL INDIA : COAL	565	69153751	571719104	68493273	894906	795046	58896116	585017886	64015649	672473690

**STATEMENT NO. 1.9(Cont.)**

( IN TONNES )

STATE/DISTRICT	NUMBER OF MINES	OPENING STOCK *	RAISING	RECEIPT/ SURPLUS	COAL USED FOR COKE MAKING	COLLIERY CONSUMPTION	TRANSFER/ SHORTAGE/ REJECTION	DESPATCH	CLOSING STOCK	VALUE OF COAL RAISED ('000 RS.)
1	2	3	4	5	6	7	8	9	10	11
2. LIGNITE										
GUJARAT										
Bharuch	2	--	2229425	--	--	--	--	2229425	--	3824058
Bhavanagar	2	32692	1896467	--	--	--	--	1916904	12255	2888960
Kutch	2	--	5697235	--	--	--	--	5697235	--	8243473
Surat	3	117959	5462986	--	--	21	--	5529771	51153	6087995
TOTAL : GUJARAT	9	150651	15286113	--	--	21	--	15373335	63408	21044486
RAJASTHAN										
Barmer	2	234	4505661	--	--	--	--	4466053	39842	4142055
Bikaner	3	2817	1673304	--	--	--	--	1674495	1626	1122203
Nagaur	1	--	17363	--	--	--	--	17363	--	30003
TOTAL : RAJASTHAN	6	3051	6196328	--	--	--	--	6157911	41468	5294261
TAMILNADU										
Cuddalore	2	534658	24767575	--	--	12000000	1026778	11406132	272096	46122036
ALL INDIA : LIGNITE	17	688360	46250016	--	--	12000021	1026778	32937378	376972	72460783
ALL INDIA : All COAL	582	69842111	617969120	68493273	894906	12795067	59922894	617955264	64392621	744934473

\* : Figures of opening stock may not tally with the figures of closing stock of last year due to subsequent revision of closing stock by some mines.

**STATEMENT NO.1.10**  
**RAISING, DESPATCH AND VALUE OF COAL DURING THE YEAR, 2012 - OWNERWISE**

(IN TONNES)

OWNER	NUMBER OF	OPENING STOCK	RAISING	RECEIPT/ SURPLUS/ DESPATCH	COAL USED FOR COKE MAKING	COLLIERY CONSUMPTION	TRANSFER/ SHORTAGE/ REJECTION	DESPATCH	CLOSING STOCK	VALUE OF COAL RAISED (IN '000 RS)
1	2	3	4	5	6	7	8	9	10	11
BCCL	76	9107459	32861720	2493889	--	91921	5108780	31678221	7584146	42146326
CCL	66	13308006	48149499	8777412	17096	5105	9030715	52344792	8837209	58598458
ECL	107	3181550	33985306	5105899	1161	612542	3358309	36125066	2175677	64089691
MCL	25	15061500	108027031	22741915	--	5449	18962841	112241481	14620675	101830126
NCL	10	2941727	57144870	426590	--	--	4469952	49753826	6289409	59188048
NEC	5	67279	680860	30234	--	30	30232	690322	57789	998596
SECL	89	6404817	116483035	13026410	6097	15745	12875412	119090106	3926902	130932561
WCL	84	3902988	42497164	6798374	870552	8031	4241438	43704388	4627592	52183497
CIL	462	53975326	439829485	59400723	894906	738823	58077679	445628202	48119399	509967303
JSMDC	1	1700	--	--	--	--	--	--	1700	--
DVC	1	22579	341064	--	608	--	328442	34593	341064	
GMDC	6	--	11756320	--	--	--	11756320	--	--	17298110
IISCO	4	7933	734183	--	--	--	735200	6916	1244474	
J&K Min.	3	4970	20989	--	--	168	--	20389	5402	96628
NLC	4	537475	25687004	--	--	12000000	1026778	12326752	273722	46759724
SCCL	59	635485	73126200	3046482	--	54324	20	76133407	620416	95700425
TISCO	9	3941	10811526	--	--	339	--	9996081	819047	10270349
RSMDC	1	--	925030	--	--	--	925030	--	--	1210000
PIL	1	52	1007413	--	--	--	1007413	52	1007413	
GIPCL	2	117959	3215639	--	--	21	--	3282424	51153	3251584
GHCL	1	32692	314154	--	--	--	334591	12255	494792	
JINDAL	3	12537761	17197834	6046068	--	--	23657531	12124132	17197834	
BENGALEMTA	3	19114	3311180	--	--	--	3291505	38789	6246601	
APMDTC	1	21910	221928	--	--	--	232481	11357	275988	
BLAI	1	19937	331260	--	--	364	12189	334563	4081	430307
ICML	1	671273	3544763	--	--	--	3337377	878659	2235313	
INDAL	1	71164	2290060	--	--	--	2272689	88535	2290060	
MIL	1	6372	767611	--	--	300	--	772734	949	767611
CTL	1	19700	--	--	--	--	--	--	19700	--
RSMML	1	--	17363	--	--	--	17363	--	--	30003
PCML	1	100317	8135619	--	--	--	8203800	32136	8135619	
JNL	1	13824	516225	--	--	120	--	502633	27296	516225
RASL	2	412360	3050164	--	--	--	2879848	582676	9189134	
SISCL	1	--	--	--	--	--	--	--	--	--
ELCALTD	1	80388	61124	--	--	--	67866	73646	89240	
VSLPPL	1	--	753875	--	--	--	753875	--	484515	
WBMD&TCL	1	--	--	--	--	--	--	--	--	--
UML	1	34736	284238	--	--	--	309713	9261	284238	
DVC EMTA	2	428711	4143718	--	--	--	4187044	385385	4143718	
SEMCL	3	64198	1992520	--	--	--	806228	1118968	131522	2044146
BLMCL	1	234	3580631	--	--	--	3541023	39842	2932055	
ALL INDIA : ALL COAL	582	69842111	617969120	68493273	894906	12795067	59922894	617955264	64392621	744934473

**STATEMENT NO. 1.11**

**PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2012  
( IN TONNES )**

STATE/DISTRICT	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K			
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL	
		SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS CAVING/ FINAL STOWING	OPERATION		
1	2	3	4	5	6	7	8	9	10
ANDHRA PRADESH									
Adilabad	4514561	754507	413177	3346877	--	1596991	2917570	--	--
Karimnagar	13297614	522982	1785419	10989213	--	5064443	8233171	--	--
Khammam	1522284	363768	--	1158516	--	433679	1088605	--	--
Warangal	1316192	--	373521	942671	--	514409	801783	--	--
TOTAL : ANDHRA PRADESH	20650651	1641257	2572117	16437277	--	7609522	13041129	--	--
ASSAM									
Tinsukia	3121	--	--	3121	--	3121	--	--	--
CHATTISGARH									
Bilaspur	154120	--	--	154120	--	154120	--	--	--
Raigarh	1349126	--	--	1349126	--	196522	1152604	--	--
Surguja	2796317	--	--	2796317	--	1168996	1627321	--	--
Korea	4149714	77510	661796	3410408	--	2236606	1913108	--	--
Korba	1857937	--	94930	1763007	--	1354487	503450	--	--
TOTAL : CHATTISGARH	10307214	77510	756726	9472978	--	5110731	5196483	--	--
JHARKHAND									
Dhanbad	6302201	188195	454310	5659696	--	4596360	1705841	--	--
Hazaribagh	627808	--	--	627808	--	464994	162814	--	--
Palamau	--	--	--	--	--	--	--	--	--
Ranchi	39927	--	--	39927	--	39927	--	--	--
Bokaro	484976	--	--	484976	--	396402	88574	--	--
Pakur	--	--	--	--	--	--	--	--	--
Chatra	54980	--	--	54980	--	--	54980	--	--
Latehar	--	--	--	--	--	--	--	--	--
Ramgarh	--	--	--	--	--	--	--	--	--
TOTAL : JHARKHAND	7509892	188195	454310	6867387	--	5497683	2012209	--	--

**STATEMENT NO. 1.11(Cont.)**

STATE/DISTRICT	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N			M E T H O D O F W O R K				
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL	BOARD & PILLAR			LONGWALL	
		SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS	CAVING/ FINAL	STOWING	OPERATION
1	2	3	4	5	6	7	8	9	10
JAMMU & KASHMIR									
Rajauri	17903	--	--	17903	--	17903	--	--	--
Udhampur	3086	--	--	3086	--	3086	--	--	--
TOTAL : JAMMU & KASHMIR	20989	--	--	20989	--	20989	--	--	--
MADHYA PRADESH									
Betul	3244723	126697	--	3118026	--	2129001	1115722	--	--
Chhindwara	2318213	--	588795	1729418	--	431760	1886453	--	--
Shahdol	6108855	--	465571	5643284	--	3821026	2287829	--	--
Sidhi	--	--	--	--	--	--	--	--	--
Umaria	1369831	--	--	1369831	--	486365	883466	--	--
Anuppur	315275	--	--	315275	--	126110	189165	--	--
TOTAL : MADHYA PRADESH	13356897	126697	1054366	12175834	--	6994262	6362635	--	--
MAHARASHTRA									
Chandrapur	1409504	361465	--	1048039	--	644049	765455	--	--
Nagpur	1700461	224871	--	1475590	--	964908	735553	--	--
Yavatmal	265720	--	--	265720	--	265720	--	--	--
TOTAL : MAHARASHTRA	3375685	586336	--	2789349	--	1874677	1501008	--	--
ORISSA									
Angul	374401	228433	--	145968	--	356310	18091	--	--
Sundergarh	--	--	--	--	--	--	--	--	--
Jharsuguda	1861882	--	36557	1825325	--	1613522	248360	--	--
TOTAL : ORISSA	2236283	228433	36557	1971293	--	1969832	266451	--	--
UTTAR PRADESH									
Sonebhadra	--	--	--	--	--	--	--	--	--

**STATEMENT NO. 1.11(Cont.)**

STATE/DISTRICT	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K			
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL	
		SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING, CAVING/ STOWING	SPLITT- ING AS FINAL OPERATION			
1	2	3	4	5	6	7	8	9	10
WEST BENGAL									
Bankura	95693	--	95693	--	--	95693	--	--	--
Burdwan	6629674	1327587	821547	4383401	97139	3474041	3155633	--	--
Purulia	154953	--	--	154953	--	154953	--	--	--
TOTAL : WEST BENGAL	6880320	1327587	917240	4538354	97139	3724687	3155633	--	--
GUJARAT									
Bharuch	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	--	--	--	--	--	--
RAJASTHAN									
Barmer	--	--	--	--	--	--	--	--	--
TAMILNADU									
Cuddalore	--	--	--	--	--	--	--	--	--
ALL INDIA : COAL :	64341052	4176015	5791316	54276582	97139	32805504	31535548	0	0

**STATEMENT NO. 1.12**

**PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2012.**

( IN TONNES )

OWNER	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K			
	FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL		
	SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING, CAVING/ STOWING	SPLITT- ING AS FINAL OPERATION				
1	2	3	4	5	6	7	8	9	10
BCCL	4363050	123521	109220	4130309	--	2776919	1586131	--	--
CCL	1064952	--	--	1064952	--	758584	306368	--	--
ECL	7312682	1392261	982510	4840772	97139	4158873	3153809	--	--
MCL	2236283	228433	36557	1971293	--	1969832	266451	--	--
NCL	--	--	--	--	--	--	--	--	--
NEC	3121	--	--	3121	--	3121	--	--	--
SECL	17032529	77510	1222297	15732722	--	9544232	7488297	--	--
WCL	8938621	713033	588795	7636793	--	4435438	4503183	--	--
 CIL	 40951238	 2534758	 2939379	 35379962	 97139	 23646999	 17304239	 --	 --
JSMDC	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--
IISCO	109162	--	--	109162	--	93408	15754	--	--
J&K Min.	20989	--	--	20989	--	20989	--	--	--
NLC	--	--	--	--	--	--	--	--	--
SCCL	20650651	1641257	2572117	16437277	--	7609522	13041129	--	--
TISCO	1479242	--	279820	1199422	--	1373462	105780	--	--
RSMDC	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--
BECML	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--
MIL	767611	--	--	767611	--	--	767611	--	--
PCML	--	--	--	--	--	--	--	--	--
JNL	301035	--	--	301035	--	--	301035	--	--
RASL	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--
ELCALTD	61124	--	--	61124	--	61124	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--
 ALL INDIA : COAL	 64341052	 4176015	 5791316	 54276582	 97139	 32805504	 31535548	 --	 --

**STATEMENT NO. 1.13**

**PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION AND OVERBURDEN REMOVED DURING THE YEAR, 2012  
( IN TONNES )**

STATE/DISTRICT	TOTAL OPENCAST OUTPUT	M E C H A N I S A T I O N			OVERBURDEN REMOVED (IN '000 CUBIC METRES)
		FULLY MECHANISED	SEMI MECHANISED	MANUAL	
1	2	3	4	5	6
<b>1. COAL</b>					
ANDHRA PRADESH					
Adilabad	7859028	7859028	--	--	38956
Karimnagar	16594150	16594150	--	--	94343
Khammam	27641175	27641175	--	--	77666
Warangal	381196	381196	--	--	--
TOTAL : ANDHRA PRADESH	52475549	52475549	--	--	210965
ARUNACHAL PRADESH					
Chaglong	221928	221928	--	--	2169
ASSAM					
Tinsukia	677739	677739	--	--	4883
CHATTISGARH					
Bilaspur	--	--	--	--	--
Raigarh	25533115	25533115	--	--	6134
Surguja	1855821	1855821	--	--	4940
Korea	--	--	--	--	--
Korba	85652801	85652801	--	--	67859
TOTAL : CHATTISGARH	113041737	113041737	--	--	78933
JHARKHAND					
Deoghar	1443519	1443519	--	--	2117
Dhanbad	29456985	29456985	--	--	50026
Giridih	606864	606864	--	--	1279
Godda	13521808	13521808	--	--	--
Hazaribagh	18482880	18482880	--	--	19730

**STATEMENT NO. 1.13(Cont.)**

STATE/DISTRICT	TOTAL OPENCAST OUTPUT	M E C H A N I S A T I O N			OVERBURDEN REMOVED (IN '000 CUBIC METRES)
		FULLY MECHANISED	SEMI MECHANISED	MANUAL	
1	2	3	4	5	6
Palamau	756609	756609	--	--	98
Ranchi	5116516	5116516	--	--	4973
Sahebganj	193089	193089	--	--	159
Bokaro	12157430	12157430	--	--	8843
Pakur	8135619	8135619	--	--	--
Chatra	19301094	19301094	--	--	20498
Latehar	--	--	--	--	--
Ramgarh	909990	909990	--	--	2105
TOTAL : JHARKHAND	110082403	110082403	--	--	109828
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JAMMU & KASHMIR					
Rajauri	--	--	--	--	--
Udhampur	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	--	--	--	--	--
<hr/>					
MADHYA PRADESH					
Narsigpur	331260	331260	--	--	2176
Betul	--	--	--	--	--
Chhindwara	1491598	1491598	--	--	5506
Shahdol	5709883	5709883	--	--	19199
Sidhi	22700370	22700370	--	--	89134
Umaria	734843	734843	--	--	--
Anuppur	1040250	1040250	--	--	4853
Singrauli	4709000	4709000	--	--	17828
TOTAL : MADHYA PRADESH	36717204	36717204	--	--	138696
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**STATEMENT NO. 1.13(Cont.)**

STATE/DISTRICT	TOTAL OPENCAST OUTPUT	M E C H A N I S A T I O N			OVERBURDEN REMOVED (IN '000 CUBIC METRES)
		FULLY MECHANISED	SEMI MECHANISED	MANUAL	
1	2	3	4	5	6
<b>MAHARASHTRA</b>					
Chandrapur	19421929	19421929	--	--	48961
Nagpur	4992418	4992418	--	--	15149
Yavatmal	12407530	12407530	--	--	29349
<b>TOTAL : MAHARASHTRA</b>	<b>36821877</b>	<b>36821877</b>	--	--	<b>93459</b>
<b>ORISSA</b>					
Angul	59474655	59474655	--	--	39105
Sambalpur	2290060	2290060	--	--	1240
Sundergarh	12284337	12284337	--	--	4812
Jharsuguda	34031756	34031756	--	--	7737
<b>TOTAL : ORISSA</b>	<b>108080808</b>	<b>108080808</b>	--	--	<b>52894</b>
<b>UTTAR PRADESH</b>					
Sonebhadra	29735500	29735500	--	--	65453
<b>WEST BENGAL</b>					
Bankura	1775700	1775700	--	--	7006
Birbhum	275193	275193	--	--	1806
Burdwan	17472414	17472414	--	--	38323
<b>TOTAL : WEST BENGAL</b>	<b>19523307</b>	<b>19523307</b>	--	--	<b>47135</b>
<b>ALL INDIA : COAL</b>	<b>507378052</b>	<b>507378052</b>	--	--	<b>804415</b>

**STATEMENT NO. 1.13(cont.)**

STATE/DISTRICT	TOTAL OPENCAST OUTPUT	M E C H A N I S A T I O N			OVERBURDEN REMOVED (IN '000 CUBIC METRES)
		FULLY MECHANISED	SEMI MECHANISED	MANUAL	
1	2	3	4	5	6
<b>2. LIGNITE</b>					
GUJARAT					
Bharuch	2229425	2229425	--	--	112
Bhavanagar	1896467	1896467	--	--	8897
Kutch	5697235	5697235	--	--	11843
Surat	5462986	5462986	--	--	20326
<b>TOTAL : GUJARAT</b>	<b>15286113</b>	<b>15286113</b>	<b>--</b>	<b>--</b>	<b>41178</b>
<b>RAJASTHAN</b>					
Barmer	4505661	4505661	--	--	44987
Bikaner	1673304	1673304	--	--	--
Nagaur	17363	17363	--	--	874
<b>TOTAL : RAJASTHAN</b>	<b>6196328</b>	<b>6196328</b>	<b>--</b>	<b>--</b>	<b>45861</b>
<b>TAMILNADU</b>					
Cuddalore	24767575	24767575	--	--	153632
<b>ALL INDIA : LIGNITE</b>	<b>46250016</b>	<b>46250016</b>	<b>--</b>	<b>--</b>	<b>240671</b>
<b>ALL INDIA : ALL COAL</b>	<b>553628068</b>	<b>553628068</b>	<b>0</b>	<b>0</b>	<b>1045086</b>

**STATEMENT NO. 1.14**  
**PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION AND OVERBURDEN REMOVED DURING THE YEAR, 2012.**  
**(IN TONNES )**

OWNER	TOTAL OPENCAST OUTPUT	M E C H A N I S A T I O N			OVERBURDEN REMOVED (IN '000 CUBIC METRES)
		FULLY MECHANISED	SEMI MECHANISED	MANUAL	
1	2	3	4	5	6
BCCL	28498670	28498670	--	--	48018
CCL	47084547	47084547	--	--	55321
ECL	26672624	26672624	--	--	22952
MCL	105790748	105790748	--	--	51654
NCL	57144870	57144870	--	--	172415
NEC	677739	677739	--	--	4883
SECL	99450506	99450506	--	--	94445
WCL	33558543	33558543	--	--	87965
 CIL	 398878247	 398878247	--	--	537653
JSMDC	--	--	--	--	--
DVC	341064	341064	--	--	440
GMDC	11756320	11756320	--	--	20852
IISCO	625021	625021	--	--	3141
J&K Min.	--	--	--	--	--
NLC	25687004	25687004	--	--	153632
SCCL	52475549	52475549	--	--	210965
TISCO	9332284	9332284	--	--	--
RSMDC	925030	925030	--	--	7849
PIL	1007413	1007413	--	--	--
GIPCL	3215639	3215639	--	--	20326
GHCL	314154	314154	--	--	--
JINDAL	17197834	17197834	--	--	2766
BENGAL EMTA	3311180	3311180	--	--	10852
APMDTC	221928	221928	--	--	2169
BLAI	331260	331260	--	--	2176
ICML	3544763	3544763	--	--	9233
INDAL	2290060	2290060	--	--	1240
RSMLL	17363	17363	--	--	874
PCML	8135619	8135619	--	--	--
JNL	215190	215190	--	--	865
RASL	3050164	3050164	--	--	5556
SISCL	--	--	--	--	--
ELCALTD	--	--	--	--	--
VSLPPL	753875	753875	--	--	--
WBMD&TCL	--	--	--	--	31
UML	284238	284238	--	--	--
DVC EMTA	4143718	4143718	--	--	12475
SEML	1992520	1992520	--	--	4853
BLMCL	3580631	3580631	--	--	37138
 ALL INDIA : All COAL	 553628068	 553628068	--	--	1045086

**STATEMENT NO. 1.15**

**CLASSIFICATION OF COAL MINES DURING THE YEAR, 2012 BY SIZE OF OVERALL OUTPUT : OWNERWISE**

OWNER	OUTPUT IN TONNES															TOTAL
	NIL TO 7200	1 TO 30000	7201 TO 30000	30001 TO 60000	60001 TO 84000	84001 TO 120000	120001 TO 180000	180001 TO 240000	240001 TO 300000	300001 TO 600000	600001 TO 1000000	1000001 TO 1500000	1500001 AND ABOVE			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
BCCL	12	--	5	11	5	10	3	3	1	7	7	6	6	76		
CCL	7	1	4	11	3	4	2	1	3	17	--	6	7	66		
ECL	6	2	17	19	18	15	11	6	2	3	2	3	2	107		
MCL	2	--	--	1	--	--	1	2	2	4	--	--	13	25		
NCL	--	--	--	--	--	--	1	--	--	--	--	1	8	10		
NEC	1	1	--	--	--	1	--	--	1	1	--	--	--	5		
SECL	8	--	2	2	4	4	17	9	4	22	7	2	8	89		
WCL	6	1	1	4	4	7	10	8	3	20	7	6	7	84		
<b>CIL</b>	<b>42</b>	<b>5</b>	<b>29</b>	<b>48</b>	<b>34</b>	<b>41</b>	<b>45</b>	<b>29</b>	<b>16</b>	<b>74</b>	<b>24</b>	<b>23</b>	<b>52</b>	<b>462</b>		
JSMDC	1	--	--	--	--	--	--	--	--	--	--	--	--	1		
DVC	--	--	--	--	--	--	--	--	1	--	--	--	--	1		
GMDC	--	--	--	--	--	--	--	--	--	1	1	1	4	6		
IISCO	--	--	--	2	--	--	1	--	--	1	--	--	--	4		
J&K Min.	--	1	2	--	--	--	--	--	--	--	--	--	--	3		
NLC	--	--	--	--	--	--	--	1	--	--	1	--	2	4		
SCCL	1	2	--	--	2	2	6	5	3	16	5	2	15	59		
TISCO	--	--	--	1	--	--	--	4	1	--	--	3	9			
RSMDC	--	--	--	--	--	--	--	--	--	1	--	--	--	1		
PIL	--	--	--	--	--	--	--	--	--	--	1	--	--	1		
GIPCL	--	--	--	--	--	--	--	--	--	--	1	1	1	2		
GHCL	--	--	--	--	--	--	--	--	1	--	--	--	--	1		
JINDAL	--	--	--	--	--	--	--	--	--	--	--	3	3			
BENGALLEMTA	1	--	--	--	--	--	--	--	1	--	--	--	1	3		
APMDTC	--	--	--	--	--	--	--	1	--	--	--	--	--	1		
BLAI	--	--	--	--	--	--	--	--	--	1	--	--	--	1		
ICML	--	--	--	--	--	--	--	--	--	--	--	--	1	1		
INDAL	--	--	--	--	--	--	--	--	--	--	--	1	1	1		
MIL	--	--	--	--	--	--	--	--	--	--	1	--	--	1		
CTL	1	--	--	--	--	--	--	--	--	--	--	--	--	1		
RSMLL	--	--	1	--	--	--	--	--	--	--	--	--	--	1		
PCML	--	--	--	--	--	--	--	--	--	--	--	1	1			
JNL	--	--	--	--	--	--	--	--	1	--	--	--	--	1		
RASL	--	--	--	--	--	--	--	--	--	1	--	--	1	2		
SISCL	1	--	--	--	--	--	--	--	--	--	--	--	--	1		
ELCALTD	--	--	--	--	1	--	--	--	--	--	--	--	--	1		
VSLPPL	--	--	--	--	--	--	--	--	--	--	1	--	--	1		
WBMD&TCL	1	--	--	--	--	--	--	--	--	--	--	--	--	1		
UML	--	--	--	--	--	--	--	--	1	--	--	--	--	1		
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	2	2		
SEML	--	--	1	--	--	--	--	--	--	--	1	1	--	3		
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--	1	1		
<b>ALL INDIA</b>	<b>48</b>	<b>8</b>	<b>33</b>	<b>51</b>	<b>37</b>	<b>43</b>	<b>52</b>	<b>36</b>	<b>25</b>	<b>96</b>	<b>36</b>	<b>29</b>	<b>88</b>	<b>582</b>		

Note : Classification adopted roughly corresponds to the requirements of the managerial staff as stipulated in the Coal Mines Regulations, 1957.

**STATEMENT NO. 1.16**  
**AVERAGE DAILY EMPLOYMENT AND OUTPUT BY TYPE OF MINE WORKINGS DURING THE YEAR, 2012.**

STATE/DISTRICT	TYPE	NUMBER			EMPLOYMENT			OUTPUT ( IN TONNES )			
	OF	OF									
	MINE	MINES	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL		
1	2	3	4	5	6	7	8	9	10		
<b>ANDHRA PRADESH</b>											
Adilabad	B	16	16046	--	1212	17258	4514561	--	4514561		
	O	6	--	2014	129	2143	--	7859028	7859028		
Karimnagar	B	14	16775	--	1373	18148	13297614	--	13297614		
	O	5	--	5134	2367	7501	--	16594150	16594150		
Khammam	B	5	2832	--	527	3359	1522284	--	1522284		
	O	6	--	3969	3004	6973	--	27641175	27641175		
Warangal	B	5	4752	--	421	5173	1316192	--	1316192		
	O	1	--	218	9	227	--	378195	378195		
	BO	1	18	289	2	309	--	3001	3001		
<b>TOTAL : ANDHRA PRADESH</b>											
	B	40	40405	--	3533	43938	20650651	--	20650651		
	O	18	--	11335	5509	16844	--	52472548	52472548		
	BO	1	18	289	2	309	--	3001	3001		
<b>ARUNACHAL PRADESH</b>											
Chaglong	O	1	--	18	390	408	--	221928	221928		
<b>ASSAM</b>											
Tinsukia	B	2	476	--	239	715	3121	--	3121		
	O	3	--	903	330	1233	--	677739	677739		
<b>CHATTISGARH</b>											
Bilaspur	B	2	467	--	104	571	154120	--	154120		
Raigarh	B	3	1968	--	317	2285	1048091	--	1048091		
	O	7	--	1889	455	2344	--	25317925	25317925		
	BO	1	521	131	102	754	301035	215190	516225		
Surguja	B	9	4100	--	610	4710	2471207	--	2471207		
	O	5	--	995	509	1504	--	1814181	1814181		
	BO	1	675	313	207	1195	325110	41640	366750		
Korea	B	16	7487	--	1686	9173	4149714	--	4149714		
	O	1	--	65	148	213	--	--	--		
Korba	B	11	3743	--	742	4485	1857937	1007413	2865350		
	O	5	--	3082	3725	6807	--	84645388	84645388		
<b>TOTAL : CHATTISGARH</b>											
	B	41	17765	--	3459	21224	9681069	1007413	10688482		
	O	18	--	6031	4837	10868	--	111777494	111777494		
	BO	2	1196	444	309	1949	626145	256830	882975		

STATEMENT NO. 1.16 (Cont.)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT ( IN TONNES )				
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL		
			1	2	3	4	5	6	7	8	9
<b>MADHYA PRADESH</b>											
Umaria	O	1	--	63	22	85	--	734843	734843		
<b>GUJARAT</b>											
Bharuch	O	2	--	849	210	1059	--	2229425	2229425		
Bhavanagar	O	2	--	179	107	286	--	1896467	1896467		
Kutch	O	2	--	333	282	615	--	5697235	5697235		
Surat	O	3	--	496	75	571	--	5462986	5462986		
<b>TOTAL : GUJARAT</b>	O	9	--	1857	674	2531	--	15286113	15286113		
<b>JHARKHAND</b>											
Deoghar	O	2	--	566	703	1269	--	1443519	1443519		
Dhanbad	B	53	23487	--	6926	30413	5140358	--	5140358		
	O	22	--	4055	3663	7718	--	18349734	18349734		
	BO	18	6117	5265	3057	14439	1161843	11107251	12269094		
Giridih	O	3	--	301	267	568	--	606864	606864		
Godda	O	1	--	848	1052	1900	--	13521808	13521808		
Hazaribagh	B	13	3774	--	1216	4990	578916	--	578916		
	O	20	--	5176	3797	8973	--	17913878	17913878		
	BO	2	499	83	299	881	48892	569002	617894		
Palamau	O	4	--	366	320	686	--	756609	756609		
Ranchi	B	1	262	--	138	400	39927	--	39927		
	O	5	--	1249	1347	2596	--	5116516	5116516		
Sahibganj	O	1	--	32	17	49	--	193089	193089		
Bokaro	B	8	2755	--	645	3400	403361	--	403361		
	O	12	--	4257	2003	6260	--	11598097	11598097		
	BO	2	562	711	297	1570	81615	559333	640948		
Pakur	O	1	--	418	151	569	--	8135619	8135619		
Chatra	B	1	356	--	143	499	54980	--	54980		
	O	2	--	908	831	1739	--	19301094	19301094		
Latehar	O	1	--	78	41	119	--	--	--		
Ramgarh	O	2	--	686	152	838	--	909990	909990		
<b>TOTAL : JHARKHAND</b>	B	76	30634	--	9068	39702	6217542	--	6217542		
	O	76	--	18940	14344	33284	--	97846817	97846817		
	BO	22	7178	6059	3653	16890	1292350	12235586	13527936		

**STATEMENT NO. 1.16 (Cont.)**

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T				OUTPUT ( IN TONNES )				
			BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELOWGROUND	OPENCAST	TOTAL		
			1	2	3	4	5	6	7	8	9
<b>JAMMU &amp; KASHMIR</b>											
Rajauri	B	2	368	--	120	488	17903	--	17903		
Udhampur	B	1	100	--	28	128	3086	--	3086		
<b>TOTAL : JAMMU &amp; KASHMIR</b>	<b>B</b>	<b>3</b>	<b>468</b>	<b>--</b>	<b>148</b>	<b>616</b>	<b>20989</b>	<b>--</b>	<b>20989</b>		
<b>MADHYA PRADESH</b>											
Narsigpur	O	1	--	158	245	403	--	331260	331260		
Betul	B	9	3974	--	734	4708	3244723	--	3244723		
Chhindwara	B	15	4036	--	1068	5104	1970018	--	1970018		
	O	6	--	277	145	422	--	1263638	1263638		
	BO	2	768	67	230	1065	348195	227960	576155		
Shahdol	B	21	11626	--	3031	14657	6108855	--	6108855		
	O	6	--	517	2168	2685	--	5709883	5709883		
Sidhi	O	4	--	7994	3345	11339	--	22700370	22700370		
Umaria	B	7	4848	--	1232	6080	1369831	--	1369831		
Anuppur	B	1	655	--	120	775	315275	--	315275		
	O	1	--	239	83	322	--	1040250	1040250		
Singrauli	O	1	--	339	219	558	--	4709000	4709000		
<b>TOTAL : MADHYA PRADESH</b>	<b>B</b>	<b>53</b>	<b>25139</b>	<b>--</b>	<b>6185</b>	<b>31324</b>	<b>13008702</b>	<b>--</b>	<b>13008702</b>		
	O	19	--	9524	6205	15729	--	35754401	35754401		
	BO	2	768	67	230	1065	348195	227960	576155		

**STATEMENT NO. 1.16 (Cont.)**

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T				OUTPUT ( IN TONNES )		
			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	B E L O W G R O U N D	O P E N C A S T	T O T A L
			1	2	3	4	5	6	7
<b>MAHARASHTRA</b>									
Chandrapur	B	12	4986	--	1570	6556	1409504	--	1409504
	O	18	--	3737	5296	9033	--	19421929	19421929
Nagpur	B	8	3888	--	747	4635	1700461	--	1700461
	O	5	--	893	1305	2198	--	4992418	4992418
Yavatmal	B	2	661	--	198	859	265720	--	265720
	O	11	--	2411	1480	3891	--	12407530	12407530
<b>TOTAL : MAHARASHTRA</b>	B	22	9535	--	2515	12050	3375685	--	3375685
	O	34	--	7041	8081	15122	--	36821877	36821877
<b>ORISSA</b>									
Angul	B	4	1690	--	577	2267	374401	--	374401
	O	8	--	4967	3644	8611	--	59474655	59474655
Sambalpur	O	1	--	110	165	275	--	2290060	2290060
Sundergarh	O	2	--	1296	159	1455	--	12284337	12284337
Jharsuguda	B	6	2871	--	696	3567	1861882	--	1861882
	O	5	--	2578	1396	3974	--	34031756	34031756
<b>TOTAL : ORISSA</b>	B	10	4561	--	1273	5834	2236283	--	2236283
	O	16	--	8951	5364	14315	--	108080808	108080808
<b>RAJASTHAN</b>									
Barmer	O	2	--	569	473	1042	--	4505661	4505661
Bikaner	O	3	--	413	25	438	--	1673304	1673304
Nagaur	O	1	--	62	98	160	--	17363	17363
<b>TOTAL : RAJASTHAN</b>	O	6	--	1044	596	1640	--	6196328	6196328
<b>TAMILNADU</b>									
Cuddalore	O	2	--	6460	2581	9041	--	24767575	24767575
<b>UTTAR PRADESH</b>									
Sonebhadra	O	5	--	5272	3352	8624	--	29735500	29735500

**STATEMENT NO. 1.16 (Cont.)**

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T			OUTPUT ( IN TONNES )					
			BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELOWGROUND	OPENCAST	TOTAL		
			1	2	3	4	5	6	7	8	9
<b>WEST BENGAL</b>											
Bankura	B	1	403	--	159	562	95693	--	95693		
	O	2	--	270	48	318	--	1775700	1775700		
Birbhum	B	1	6	--	26	32	--	--	--		
	O	2	--	144	11	155	--	275193	275193		
Burdwan	B	72	29203	--	11170	40373	5902678	--	5902678		
	O	13	--	2484	1929	4413	--	14810570	14810570		
	BO	7	3385	914	1585	5884	726996	2661844	3388840		
Purulia	B	2	1012	--	425	1437	154953	--	154953		
<b>TOTAL : WEST BENGAL</b>											
	B	76	30624	--	11780	42404	6153324	--	6153324		
	O	17	--	2898	1988	4886	--	16861463	16861463		
	BO	7	3385	914	1585	5884	726996	2661844	3388840		
<b>ALL INDIA : ALL COAL</b>											
	B	323	159607	--	38200	197807	61347366	--	62354779		
	O	225	--	80337	54273	134610	--	537235434	537235434		
	BO	34	12545	7773	5779	26097	2993686	15385221	18378907		
<b>ALL INDIA :</b>	<b>ALL</b>	<b>582</b>	<b>172152</b>	<b>88110</b>	<b>98252</b>	<b>358514</b>	<b>64341052</b>	<b>553628068</b>	<b>617969120</b>		

B : Mines having belowground workings only

O : Mines having opencast workings only

BO : Mines having both belowground & opencast workings

**STATEMENT NO. 1.17**  
**AVERAGE DAILY EMPLOYMENT AND OUTPUT BY TYPE OF MINE WORKINGS DURING THE YEAR, 2012 : OWNERWISE**

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT ( IN TONNES )		
			BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
BCCL	B	42	15835	--	5646	21481	3217894	--	3217894
	O	18	--	3689	3414	7103	--	17752023	17752023
	BO	16	6091	5057	2785	13933	1145156	10746647	11891803
CCL	B	22	6849	--	2049	8898	1016060	--	1016060
	O	41	--	11262	8137	19399	--	46245462	46245462
	BO	3	529	562	393	1484	48892	839085	887977
ECL	B	81	32884	--	12631	45515	6564063	--	6564063
	O	18	--	3148	3535	6683	--	23945675	23945675
	BO	8	3491	891	1606	5988	748619	2726949	3475568
MCL	B	10	4561	--	1273	5834	2236283	--	2236283
	O	15	--	8841	5199	14040	--	105790748	105790748
NCL	O	10	--	13605	6916	20521	--	57144870	57144870
NEC	B	2	476	--	239	715	3121	--	3121
	O	3	--	903	330	1233	--	677739	677739
SECL	B	68	33270	--	7536	40806	16707419	--	16707419
	O	20	--	5295	6669	11964	--	99408866	99408866
	BO	1	675	313	207	1195	325110	41640	366750
WCL	B	45	17202	--	4279	21481	8590426	--	8590426
	O	37	--	6554	8129	14683	--	33330583	33330583
	BO	2	768	67	230	1065	348195	227960	576155
CIL	B	270	111077	--	33653	144730	38335266	--	38335266
	O	162	--	53297	42329	95626	--	384295966	384295966
	BO	30	11554	6890	5221	23665	2615972	14582281	17198253

**STATEMENT NO. 1.17(Cont.)**

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
JSMDC	O	1	--	78	41	119	--	--	--
DVC	O	1	--	71	97	168	--	341064	341064
GMDC	O	6	--	1497	611	2108	--	11756320	11756320
IISCO	B	1	172	--	26	198	32483	--	32483
	O	1	--	46	2	48	--	40272	40272
	BO	2	452	463	454	1369	76679	584749	661428
J&K Min.	B	3	468	--	148	616	20989	--	20989
NLC	O	4	--	6766	2591	9357	--	25687004	25687004
SCCL	B	40	40405	--	3533	43938	20650651	--	20650651
	O	18	--	11335	5509	16844	--	52472548	52472548
	BO	1	18	289	2	309	--	3001	3001
TISCO	B	5	5220	--	403	5623	1479242	--	1479242
	O	4	--	1440	385	1825	--	9332284	9332284
RSMDC	O	1	--	132	60	192	--	925030	925030
PIL	B	1	205	--	68	273	--	1007413	1007413
GIPCL	O	2	--	299	52	351	--	3215639	3215639
GHCL	O	1	--	61	11	72	--	314154	314154
JINDAL	O	2	--	672	318	990	--	11937748	11937748
SISCL	O	1	--	461	--	461	--	5260086	5260086
BECML	O	2	--	460	74	534	--	3311180	3311180
BENGALEMTA	O	1	--	20	--	20	--	--	--
APMDCL	O	1	--	18	390	408	--	221928	221928
BLAI	O	1	--	158	245	403	--	331260	331260

**STATEMENT NO. 1.17(Cont.)**

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT ( IN TONNES )		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
ICML	O	1	--	766	350	1116	--	3544763	3544763
INDAL	O	1	--	110	165	275	--	2290060	2290060
MIL	B	1	1419	--	238	1657	767611	--	767611
CTL	O	1	--	7	40	47	--	--	--
RSMML	O	1	--	62	98	160	--	17363	17363
PCML	O	1	--	418	151	569	--	8135619	8135619
JNL	BO	1	521	131	102	754	301035	215190	516225
RASL	O	2	--	457	63	520	--	3050164	3050164
SISCL	B	1	343	--	38	381	--	--	--
ELCALTD	B	1	298	--	93	391	61124	--	61124
VSLPPL	O	1	--	107	15	122	--	753875	753875
WBMD&TCL	O	1	--	12	26	38	--	--	--
UML	O	1	--	163	58	221	--	284238	284238
KEMTA	O	1	--	341	39	380	--	2368018	2368018
DVC EMTA	O	1	--	258	22	280	--	1775700	1775700
SEML	O	2	--	343	104	447	--	1973624	1973624
BSIL	O	1	--	45	14	59	--	18896	18896
BLMCL	O	1	--	437	413	850	--	3580631	3580631
ALL INDIA : OVER ALL	B	323	159607	--	38200	197807	61347366	--	62354779
	O	225	--	80337	54273	134610	--	537235434	537235434
	BO	34	12545	7773	5779	26097	2993686	15385221	18378907
ALL INDIA :	ALL	582	172152	88110	98252	358514	64341052	553628068	617969120

B : Mines having belowground workings only

O : Mines having opencast workings only

BO : Mines having both belowground & opencast workings

**STATEMENT NO. 1.18**  
**PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2012.**

( IN TONNES )

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
<b>1. COAL</b>						
ANDHRA PRADESH						
Adilabad	281	3902	638	0.95	11.80	2.13
Karimnagar	793	3232	1165	2.60	10.16	3.74
Khammam	538	6964	2823	1.76	21.55	9.03
Warangal	276	752	297	0.90	2.36	0.97
TOTAL : ANDHRA PRADESH	511	4514	1197	1.70	14.02	3.90
ARUNACHAL PRADESH						
Chaglong	--	12329	544	--	43.86	1.97
ASSAM						
Tinsukia	7	751	350	0.02	2.38	1.12
CHATTISGARH						
Bilaspur	330	--	270	0.91	--	0.75
Raigarh	542	12640	4994	1.56	41.43	15.23
Surguja	586	1419	628	1.62	4.05	1.75
Korea	554	0	442	1.57	0.00	1.25
Korba	496	27791	7750	1.40	81.70	22.40
TOTAL : CHATTISGARH	544	17458	3624	1.53	52.72	10.41

**STATEMENT NO. 1.18 (Cont.)**

( IN TONNES )

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHTS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
<b>1. COAL</b>						
MADHYA PRADESH						
Umaria	--	11664	8645	--	45.68	34.20
JHARKHAND						
Deoghar	--	2550	1138	--	7.01	3.19
Dhanbad	213	3161	680	0.70	9.28	2.16
Giridih	--	2016	1068	--	5.98	3.19
Godda	--	15946	7117	--	43.69	19.50
Hazaribagh	147	3515	1287	0.50	10.73	4.08
Palamau	--	2067	1103	--	6.83	3.68
Ranchi	152	4096	1721	0.49	11.27	4.86
Sahebganj	--	6034	3941	--	19.80	13.44
Bokaro	146	2447	1126	0.49	7.51	3.57
Pakur	--	19463	14298	--	61.53	45.22
Chatra	154	21257	8649	0.50	62.41	26.29
Latehar	--	0	0	--	0.00	0.00
Ramgarh	--	1327	1086	--	3.84	3.11
TOTAL : JHARKHAND	199	4403	1308	0.65	13.09	4.11
JAMMU & KASHMIR						
Rajauri	49	--	37	0.17	--	0.13
Udhampur	31	--	24	0.10	--	0.08
TOTAL : JAMMU & KASHMIR	45	--	34	0.15	--	0.12
MADHYA PRADESH						
Narsigpur	--	2097	822	--	6.86	2.69
Betul	816	--	689	2.44	--	2.08
Chhindwara	483	4336	578	1.47	14.21	1.79
Shahdol	525	11044	682	1.56	31.30	2.03
Sidhi	--	2840	2002	--	8.64	6.12
Umaria	283	--	225	0.81	--	0.65
Anuppur	481	4353	1236	1.32	11.91	3.40
Singrauli	--	13891	8439	--	44.52	27.44
TOTAL : MADHYA PRADESH	516	3752	1025	1.53	11.40	3.08

**STATEMENT NO. 1.18 (Cont.)**

( IN TONNES )

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
<b>1. COAL</b>						
MAHARASHTRA						
Chandrapur	283	5197	1336	0.81	16.00	4.02
Nagpur	437	5591	979	1.32	16.61	2.95
Yavatmal	402	5146	2668	1.12	15.46	7.97
TOTAL : MAHARASHTRA	354	5230	1479	1.04	15.89	4.45
ORISSA						
Angul	222	11974	5502	0.64	33.96	15.91
Sambalpur	--	20819	8327	--	68.01	27.28
Sundergarh	--	9479	8443	--	26.31	23.58
Jharsuguda	649	13201	4760	2.02	38.83	14.52
TOTAL : ORISSA	490	12075	5475	1.49	34.55	16.13
UTTAR PRADESH						
Sonebhadra	--	5640	3448	--	17.68	10.75
WEST BENGAL						
Bankura	237	6577	2127	0.78	22.66	7.05
Birbhum	0	1911	1472	0.00	5.33	4.22
Burdwan	203	5142	476	0.66	15.85	1.53
Purulia	153	--	108	0.58	--	0.38
TOTAL : WEST BENGAL	202	5122	497	0.66	15.84	1.60
ALL INDIA : COAL	374	6443	1656	1.18	19.42	5.14

**STATEMENT NO. 1.18 (Cont.)**

( IN TONNES )

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHTS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
<b>2. LIGNITE</b>						
GUJARAT						
Bharuch	--	2626	2105	--	8.79	7.09
Bhavanagar	--	10595	6631	--	32.30	20.41
Kutch	--	17109	9264	--	51.64	28.80
Surat	--	11014	9567	--	30.95	26.86
TOTAL : GUJARAT	--	8232	6040	--	25.51	18.91
RAJASTHAN						
Barmer	--	7919	4324	--	22.84	12.37
Bikaner	--	4052	3820	--	11.19	10.57
Nagaur	--	280	109	--	0.92	0.36
TOTAL : RAJASTHAN	--	5935	3778	--	16.94	10.84
TAMILNADU						
Cuddalore	--	3834	2739	--	12.26	8.76
ALL INDIA : LIGNITE	--	4941	3501	--	15.50	11.00
ALL INDIA : COAL & LIGNITE	374	6283	1724	1.18	19.02	5.35

**STATEMENT NO. 1.19**  
**PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2012 : OWNERWISE**  
( IN TONNES )

OWNER	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
	1	2	3	4	5	6
BCCL	199	3258	773	0.65	9.48	2.43
CCL	144	3982	1617	0.49	11.95	5.03
ECL	201	6604	584	0.66	19.41	1.87
MCL	490	11966	5436	1.49	34.18	15.99
NCL	--	4200	2785	--	12.94	8.59
NEC	7	751	350	0.02	2.38	1.12
SECL	502	17734	2158	1.44	52.34	6.25
WCL	497	5069	1142	1.48	15.43	3.45
<b>CIL</b>	<b>334</b>	<b>6627</b>	<b>1666</b>	<b>1.04</b>	<b>19.76</b>	<b>5.10</b>
JSMDC	--	0	0	--	0.00	0.00
DVC	--	4804	2030	--	15.72	6.64
GMDC	--	7853	5577	--	25.00	17.90
IISCO	175	1228	455	0.57	4.08	1.49
J&K Min.	45	--	34	0.15	--	0.12
NLC	--	3796	2745	--	12.05	8.73
SCCL	511	4514	1197	1.70	14.02	3.90
TISCO	283	6481	1452	0.95	20.53	4.78
RSMDC	--	7008	4818	--	23.19	15.87
PIL	0	--	3690	0.00	--	12.10
GIPCL	--	10755	9161	--	29.92	25.46
GHCL	--	5150	4363	--	14.63	12.40
JINDAL	--	17765	12058	--	58.14	39.47
SISCL	--	11410	11410	--	37.31	37.31
BECML	--	7198	6201	--	20.12	17.35

**STATEMENT NO. 1.19 (cont.)**

**( IN TONNES )**

OWNER	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
	1	2	3	4	5	6
BENGALEMTA	--	0	0	--	0.00	0.00
APMDCL	--	12329	544	--	43.86	1.97
BLAI	--	2097	822	--	6.86	2.69
ICML	--	4628	3176	--	15.07	10.34
INDAL	--	20819	8327	--	68.01	27.28
MIL	541	--	463	1.50	--	1.29
CTL	--	0	0	--	0.00	0.00
RSMML	--	280	109	--	0.92	0.36
PCML	--	19463	14298	--	61.53	45.22
JNL	578	1643	685	1.89	5.40	2.24
RASL	--	6674	5866	--	21.83	19.19
SISCL	0	--	0	0.00	--	0.00
ELCALTD	205	--	156	0.67	--	0.51
VSLPPL	--	7046	6179	--	19.79	17.36
WBMD&TCL	--	0	0	--	0.00	0.00
UML	--	1744	1286	--	5.76	4.25
KEMTA	--	6944	6232	--	20.54	18.40
DVC EMTA	--	6883	6342	--	23.79	21.54
SEML	--	5754	4415	--	16.55	12.80
BSIL	--	420	320	--	1.15	0.88
BLMCL	--	8194	4213	--	22.75	11.70
ALL INDIA	374	6283	1724	1.18	19.02	5.35

**STATEMENT NO. 1.20**

**REGIONWISE EMPLOYMENT AND OUTPUT IN COAL MINES DURING THE YEAR, 2012.**

REGION/ZONE	NUMBER OF MINES	AVERAGE DAILY EMPLOYMENT				OUTPUT ( IN TONNES )		
		BELLOWGROUND	OPENCAST	ABOVEGROUND	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7	8	9
Dhanbad I	57	15145	6953	7976	30074	3390327	26028829	29419156
Dhanbad II	20	6225	2289	3694	12208	1042559	5939256	6981815
Dhanbad III	23	9498	1636	2868	14002	2067812	2427992	4495804
Koderma	19	2053	4559	3372	9984	286479	21347010	21633489
Central Zone	119	32921	15437	17910	66268	6787177	55743087	62530264
Guwahati	6	476	921	959	2356	3121	899667	902788
Sitarampur I	33	12489	253	4862	17604	2146012	1153934	3299946
Sitarampur II	53	16289	3268	7977	27534	3846671	16662538	20509209
Sitarampur III	4	--	1016	871	1887	--	9772227	9772227
Eastern Zone	110	34485	5749	17183	57417	6883441	30195201	37078642
Ahmedabad	4	--	512	389	901	--	7593702	7593702
Surat	3	--	496	75	571	--	5462986	5462986
Udaipur	2	--	849	210	1059	--	2229425	2229425
North Western Zone	9	--	1857	674	2531	--	15286113	15286113
Ajmer	6	--	1044	596	1640	--	6196328	6196328
Ghaziabad	3	468	--	148	616	20989	--	20989
Varanasi	9	--	13266	6697	19963	--	52435870	52435870
Northern Zone	18	468	14310	7441	22219	20989	58632198	58653187
Hyderabad I	37	24377	9610	7703	41690	16136090	44616521	60752611
Hyderabad II	22	16046	2014	1341	19401	4514561	7859028	12373589
South Central Zone	59	40423	11624	9044	61091	20650651	52475549	73126200

**STATEMENT NO. 1.20 (Cont.)**

REGION/ZONE	NUMBER OF MINES	AVERAGE DAILY EMPLOYMENT				OUTPUT ( IN TONNES )		
		BELLOWGROUND	OPENCAST	ABOVEGROUND	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7	8	9
Bhubaneswar	24	4561	7655	6478	18694	2236283	95796471	98032754
Chaibasa	2	--	1296	159	1455	--	12284337	12284337
Raigarh	26	7264	3328	2200	12792	4145443	27388936	31534379
Ranchi	51	4891	8546	8284	21721	722715	44567089	45289804
South Eastern Zone	103	16716	20825	17121	54662	7104441	180036833	187141274
Chennai	2	--	6460	2581	9041	--	24767575	24767575
Southern Zone	2	--	6460	2581	9041	--	24767575	24767575
Bilaspur	35	11697	3147	6405	21249	6161771	85652801	91814572
Jabalpur	39	17129	1316	7120	25565	7793961	12525236	20319197
Nagpur I	45	12666	1237	4229	18132	7263397	6484016	13747413
Nagpur II	43	5647	6148	8544	20339	1675224	31829459	33504683
Western Zone	162	47139	11848	26298	85285	22894353	136491512	159385865
ALL INDIA	582	172152	88110	98252	358514	64341052	553628068	617969120

Note : At present Baroda Region is being looked after by the incharge of Udaipur Region.

**STATEMENT NO. 1.21**

**EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2012 : OWNERWISE**

OWNER	NO. OF MINES	BELOW- GROUND	OPENCAST	ABOVE- GROUND	TOTAL
			4	5	
1	2	3	4	5	6
BCCL	76	26376	10527	14232	51135
CCL	66	9217	13825	12649	35691
ECL	107	43706	4683	21361	69750
MCL	25	5478	10608	7775	23861
NCL	10	--	16327	8300	24627
NEC	5	572	1084	683	2339
SECL	89	40949	6734	17397	65080
WCL	84	21788	7933	16029	45750
<b>CIL</b>	<b>462</b>	<b>148086</b>	<b>71721</b>	<b>98426</b>	<b>318233</b>
JSMDC	1	--	94	49	143
DVC	1	--	85	116	201
GMDC	6	--	1774	690	2464
IISCO	4	749	611	578	1938
J&K Min.	3	562	--	178	740
NLC	4	--	8119	3109	11228

**STATEMENT NO. 1.21 (Cont.)**

OWNER	NO. OF MINES	BELLOW- GROUND	OPENCAST	ABOVE- GROUND	TOTAL
1	2	3	4	5	6
SCCL	59	48657	14064	11006	73727
TISCO	9	6263	1712	961	8936
RSMDC	1	--	158	72	230
PIL	1	--	246	82	328
GIPCL	2	--	359	63	422
GHCL	1	--	73	13	86
JINDAL	2	--	835	401	1236
SISCL	1	--	553	--	553
BECML	2	--	552	89	641
BENGALEMTA	1	--	24	--	24
APMDCL	1	--	26	560	586
BLAI	1	--	190	294	484
ICML	1	--	919	420	1339
INDAL	1	--	132	198	330
MIL	1	1703	--	286	1989
CTL	1	--	8	48	56
RSMML	1	--	74	118	192

**STATEMENT NO. 1.21(Cont.)**

OWNER	NO. OF MINES	BELLOW- GROUND	OPENCAST	ABOVE- GROUND	TOTAL
1	2	3	4	5	6
PCML	1	--	502	181	683
JNL	1	625	157	122	904
RASL	2	--	549	76	625
SISCL	1	412	--	46	458
ELCALTD	1	358	--	112	470
VSLPPL	1	--	128	18	146
WBMD&TCL	1	--	19	34	53
UML	1	--	196	70	266
KEMTA	1	--	409	47	456
DVC EMTA	1	--	310	26	336
BSIL	1	--	54	17	71
SEML	2	--	412	125	537
BLMCL	1	--	524	496	1020
ALL INDIA	582	207415	105589	119127	432131

STATEMENT NO.1.22  
TREND IN PRODUCTIVITY IN COAL MINES

(IN TONNES)

YEAR	OUTPUT PER MANSHIFT					OUTPUT PER MAN YEAR				
	BELLOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE		BELLOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE	
	1	2	3	4	5	6	7	8	9	
1971	0.86	1.46	0.95	0.67	356	397	279	198		
1976	0.91	1.48	1.02	0.69	276	399	301	205		
1981	0.82	3.02	1.09	0.81	252	927	336	248		
1986	0.77	4.89	1.47	1.01	240	1518	454	313		
1991	0.73	8.05	2.03	1.40	224	2497	621	429		
1992	0.75	8.30	2.15	1.47	228	2672	660	453		
1993	0.77	8.75	2.23	1.53	239	2736	692	477		
1994	0.77	9.22	2.37	1.63	241	2925	743	511		
1995	0.78	10.07	2.61	1.80	239	3182	801	554		
1996	0.80	10.69	2.77	1.91	249	3422	869	601		
1997	0.80	11.27	2.92	2.01	248	3602	911	629		
1998	0.83	11.39	3.04	2.09	254	3665	944	651		
1999	0.85	10.77	3.06	2.12	264	3454	958	663		
2000	0.87	12.10	3.39	2.34	266	3894	1052	729		
2001	0.87	12.60	3.58	2.51	268	4019	1107	779		
2002	0.94	13.56	3.97	2.75	291	4339	1238	860		
2003	0.95	14.24	4.27	2.91	295	4565	1332	910		
2004	0.94	15.10	4.61	3.19	294	4943	1455	1010		
2005	1.00	15.92	4.87	3.35	312	5125	1532	1055		
2006	1.00	14.80	4.99	3.50	313	4865	1584	1116		
2007	1.05	15.77	5.59	3.95	331	5213	1792	1268		
2008	1.12	17.14	5.89	4.25	355	5700	1918	1371		
2009	1.15	18.65	6.60	4.66	359	6150	2101	1494		
2010	1.21	19.58	7.09	5.05	384	6434	2273	1626		
2011	1.23	19.03	7.18	5.15	388	6273	2302	1659		
2012	1.18	19.02	7.39	5.35	374	6283	2374	1724		

STATEMENT No. 1.23

TREND IN AVERAGE DAILY EMPLOYMENT : OWNERWISE  
(IN THOUSAND)

NAME OF COMPANY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
B.C.C.L	107.6	101.8	98.3	94.4	90.8	86.6	80.2	74.8	70.0	68.4	62.7	59.7	57.0	53.6	51.2	47.1	49.3	46.5	45.4	42.5
C.C.L	62.5	59.9	59.2	57.9	56.6	54.9	53.7	50.5	48.0	45.8	43.4	41.2	40.6	38.8	38.8	35.1	32.7	30.8	31.9	29.8
E.C.L	122.7	117.0	110.1	110.1	110.2	107.0	98.7	92.7	89.8	83.4	81.7	78.9	77.2	73.6	72.2	70.2	68.4	64.2	60.7	58.2
M.C.L	15.2	15.4	15.6	16.5	16.5	16.6	17.7	17.7	16.0	16.3	18.4	17.7	17.2	16.1	16.3	16.2	18.1	18.6	19.0	19.9
N.C.L	11.5	10.8	11.1	11.6	12.3	12.4	13.2	13.0	12.4	13.0	12.9	12.9	13.4	13.8	16.0	16.7	17.3	17.1	18.4	20.5
N.E.C	3.4	3.2	3.0	3.0	2.9	2.9	3.1	3.0	3.1	3.2	2.6	2.7	2.8	2.9	2.7	2.4	1.9	2.1	2.1	1.9
S.E.C.L	65.8	63.4	64.3	62.0	63.4	63.6	63.7	62.9	59.8	59.8	58.6	58.9	57.9	57.9	54.0	52.8	49.9	49.5	51.9	54.0
W.C.L	56.3	54.8	54.3	53.5	55.1	55.6	52.9	53.7	50.1	47.6	49.2	47.2	44.0	42.9	41.1	40.9	40.2	38.0	38.3	37.2
C.I.L	445.0	426.3	415.9	409.0	407.8	399.6	383.2	368.3	349.2	337.5	329.5	319.2	310.1	229.2	292.3	281.4	277.8	266.8	267.7	264.0
D.V.C	0.7	0.6	0.6	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
G.M.D.C	1.5	1.6	1.5	1.4	1.4	1.4	1.9	1.4	1.5	1.4	1.4	1.3	1.5	1.3	1.5	1.5	1.9	2.3	2.4	2.1
IISCO	3.8	4.0	3.6	3.5	3.5	3.4	3.5	3.3	3.6	3.3	3.6	3.2	3.1	3.1	3.1	2.8	2.6	2.6	2.0	1.6
J & K MINERALS	0.7	0.3	0.6	0.6	0.7	0.7	0.6	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.5	0.6	0.6	0.6	0.6
N.L.C.	6.9	7.0	6.9	7.6	7.0	7.1	7.4	7.1	7.4	7.3	9.1	9.8	12.1	10.6	10.6	10.6	10.9	11.3	9.3	9.4
S.C.C.L	75.8	71.6	72.2	71.8	70.7	68.6	68.6	67.2	65.4	62.3	60.6	59.7	58.7	57.8	55.9	57.9	62.9	69.7	65.4	61.1
TISCO	11.9	12.3	12.0	12.0	11.5	9.5	9.0	8.2	8.5	8.1	9.1	7.9	8.5	8.2	9.7	7.1	8.1	7.8	7.6	7.4
OTHERS	--	--	--	--	0.4	0.7	1.1	1.7	1.3	1.4	2.2	2.8	3.8	4.4	5.4	7.4	9.0	8.8	10.8	12.1
<b>TOTAL :</b>	<b>546.3</b>	<b>523.7</b>	<b>513.3</b>	<b>506.4</b>	<b>503.4</b>	<b>491.3</b>	<b>466.7</b>	<b>458.4</b>	<b>438.2</b>	<b>422.6</b>	<b>416.8</b>	<b>405.2</b>	<b>398.9</b>	<b>385.7</b>	<b>379.5</b>	<b>369.4</b>	<b>374.0</b>	<b>370.1</b>	<b>366.0</b>	<b>358.1</b>

**STATEMENT NO.1.24**

**TREND IN ANNUAL OUTPUT: OWNERWISE**

(IN MILLION TONNES)

COMPANY	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
B.C.C.L.	29.3	28.4	28.9	30.1	29.2	26.8	26.9	24.8	28.1	23.3	22.8	21.7	23.7	23.3	26.8	32.1	33.4	31.1	32.9
C.C.L.	32.9	29.0	31.8	32.3	31.7	32.2	33.4	32.8	36.4	36.2	36.6	39.1	37.5	43.7	42.8	44.7	47.4	48.1	48.1
E.C.L.	23.0	25.7	28.7	28.5	27.5	24.8	27.1	27.1	26.5	27.3	26.6	28.8	25.9	23.7	26.4	29.3	36.9	28.7	34.0
M.C.L.	26.4	31.3	36.2	41.0	44.8	42.1	45.7	45.6	51.2	56.7	66.2	69.1	66.9	83.0	84.3	97.9	101.7	98.6	108.0
N.C.L.	32.1	35.0	36.2	36.9	35.8	37.0	40.3	41.8	44.1	44.2	48.6	51.6	53.6	55.6	62.8	66.7	66.2	63.5	57.1
N.E.C.	1.2	1.0	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	1.2	1.0	1.0	1.1	1.1	0.8	0.7
S.E.C.L.	48.6	51.7	53.9	56.0	58.6	57.0	60.5	64.0	66.8	69.1	77.9	82.1	86.1	92.1	103.9	103.0	101.7	113.0	116.5
W.C.L.	26.4	28.5	29.7	32.5	32.3	32.6	35.8	37.2	38.2	45.5	48.7	43.5	43.5	42.2	43.8	45.1	43.5	44.5	42.5
C.I.L.	219.9	230.6	246.2	258.0	260.5	253.1	270.4	274.0	292.0	303.0	328.1	336.7	338.4	364.6	391.8	419.9	439.0	428.3	440.0
B.E.C.M.L.	--	--	--	--	1.8	2.0	2.4	2.8	3.0	3.6	3.9	4.2	4.2	4.2	4.2	3.8	3.4	2.7	3.3
J.S.M.D.C.	--	0.2	0.3	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.6	0.7	0.7	0.7	0.4	0.4	0.4	0.2	--
D.V.C.	--	0.2	0.3	0.4	0.4	0.3	0.4	0.4	0.1	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3
G.I.P.C.L.	--	--	--	--	--	0.2	1.1	1.2	1.5	1.5	1.6	1.7	1.7	1.7	1.7	1.8	2.3	2.0	3.2
G.M.D.C.	4.0	4.6	4.6	5.1	5.0	4.6	4.6	4.6	5.4	5.2	6.3	6.8	8.0	9.4	8.9	8.0	11.0	11.0	12.0
I.I.S.CO.	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	0.9	0.7	0.9	0.8	0.6	1.0	1.0	1.2	1.2	0.8	0.7
JINDAL	--	--	--	--	--	0.5	1.3	1.5	1.9	2.4	2.8	4.6	6.1	5.9	3.7	5.9	24.0	23.0	17.1
N.L.C.	13.7	17.5	17.7	17.9	18.9	17.7	17.6	18.6	17.7	20.8	20.8	18.2	19.3	22.3	20.6	21.6	22.7	24.2	25.7
R.S.M.D.C.	--	--	--	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.4	0.4	1.0	0.8	1.0	0.9	0.9
S.C.C.L.	24.7	25.6	29.1	28.8	27.8	30.0	29.5	30.8	34.0	33.4	34.5	35.6	39.6	45.6	48.4	61.4	74.9	78.0	73.1
T.I.S.CO.	4.0	4.8	5.0	5.3	5.1	5.2	5.3	5.6	5.8	5.8	5.7	6.5	6.3	9.9	10.4	10.3	10.2	10.8	10.8
<b>TOTAL* :</b>	<b>267.5</b>	<b>284.5</b>	<b>304.1</b>	<b>316.6</b>	<b>319.9</b>	<b>312.4</b>	<b>334.3</b>	<b>341.5</b>	<b>363.3</b>	<b>377.7</b>	<b>409.3</b>	<b>420.9</b>	<b>430.3</b>	<b>481.1</b>	<b>506.3</b>	<b>558.8</b>	<b>601.9</b>	<b>607.3</b>	<b>618.0</b>

Note-\*Total includes other companies

**STATEMENT NO.1.25**  
**TREND IN OUTPUT PER MANYEAR : OWNERWISE**

(IN TONNES)

COMPANY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
B.C.C.L.	269	288	289	306	332	337	334	360	353	410	371	382	380	441	456	569	651	719	684	773
C.C.L.	532	550	491	549	571	578	599	662	684	795	834	889	963	968	1129	1218	1367	1543	1507	1617
E.C.L.	191	197	233	261	259	257	251	292	302	318	335	337	373	352	328	376	428	454	473	584
M.C.L.	1568	1709	2015	2191	2487	2696	2373	2591	2854	3142	3075	3743	4023	4155	5083	5213	5427	5479	5197	5436
N.C.L.	2671	2965	3142	3129	2999	2883	2802	3103	3374	3393	3415	3757	3861	3879	3465	3750	3865	3870	3449	2785
N.E.C.	344	380	333	275	239	205	202	217	228	230	265	260	273	433	363	400	578	503	363	350
S.E.C.L.	720	766	805	868	883	920	896	961	1069	1116	1179	1323	1419	1498	1705	1967	2063	2192	2178	2158
W.C.L.	458	482	524	556	589	583	616	667	742	802	926	1032	988	1014	1026	1073	1122	1146	1162	1142
C.I.L.	482	516	555	602	633	652	661	734	784	865	920	1028	1086	1131	1247	1392	1512	1617	1600	1666
B.E.C.M.L.	--	--	--	--	--	--	7785	7097	7685	8066	8620	8719	9710	9710	9710	9531	3751	5592	4178	6201
J.S.M.D.C.	1271	1102	2570	3331	3193	2094	1971	4217	5905	3583	2988	4485	5217	3397	3864	2940	2903	3208	1464	0
D.V.C	34	465	409	488	885	1285	889	1382	1433	515	1362	1557	1650	1642	1655	1517	1286	1038	2030	2030
G.I.P.C.L.	--	--	--	--	--	--	591	1584	3957	4823	4823	3562	4790	4736	5176	8023	6326	5287	5266	9161
G.M.D.C	2241	2571	3182	3160	3512	3553	2377	3197	2993	3981	3767	5039	4711	5935	6224	6083	4730	4692	4993	5577
I.I.S.CO.	175	231	284	257	227	230	281	347	348	267	201	299	266	202	323	349	465	477	408	455
JINDAL	--	--	--	--	--	--	2975	5054	5843	5336	9917	7079	7859	10347	13513	23548	8548	20404	16722	12058
J & K MINERALS	31	35	31	28	9	7	39	31	33	31	19	23	20	19	21	19	28	32	33	34
N.L.C	1939	1968	2514	2310	2566	2563	2380	2479	2534	2429	2297	2127	1503	1827	2098	1941	1985	1998	2601	2745
R.S.M.D.C	--	--	277	--	1095	1961	1340	1603	1801	2525	3264	3809	3155	2281	3725	5302	3935	5105	4490	4818
S.C.C.L	327	345	354	405	408	405	438	438	471	545	551	578	607	685	818	835	976	1074	1192	1197
T.I.S.CO.	321	326	403	433	460	539	577	460	654	717	634	723	759	771	1020	1460	1273	1304	1408	1452
<b>TOTAL*</b>	<b>477</b>	<b>511</b>	<b>554</b>	<b>601</b>	<b>629</b>	<b>651</b>	<b>663</b>	<b>729</b>	<b>779</b>	<b>860</b>	<b>910</b>	<b>1010</b>	<b>1055</b>	<b>1116</b>	<b>1268</b>	<b>1371</b>	<b>1494</b>	<b>1626</b>	<b>1659</b>	<b>1724</b>

Total includes other companies also.

**STATEMENT NO.1.26**

**TREND IN OUTPUT OF COAL AS OBTAINED FROM LONGWALL  
WORKING AND SPLITTING AS FINAL OPERATION**

YEAR	LONGWALL WORKING		SPLITTING AS FINAL OPERATION	
	NO. OF MINES REPORTED	OUTPUT (IN '000 tonnes)	NO. OF MINES REPORTED	OUTPUT (IN '000 tonnes)
1	2	3	4	5
1971	16	810	69	2236
1976	13	1071	49	3315
1981	18	827	49	3871
1982	9	1381	6	662
1983	15	1716	9	812
1984	12	1613	7	330
1985	17	2453	5	383
1986	19	2796	2	286
1987	17	2476	5	338
1988	N.A	2974	N.A	312
1989	18	2924	2	256
1990	16	2011	2	231
1991	13	2064	4	318
1992	13	1951	3	348
1993	10	2090	2	94
1994	13	3016	3	94
1995	14	4072	2	155
1996	16	5038	4	225
1997	14	4395	2	135
1998	15	4363	2	156
1999	14	4250	6	370
2000	15	4765	6	341
2001	13	3766	2	227
2002	15	4299	3	221
2003	15	4604	4	269
2004	15	3225	4	211
2005	13	2672	5	358
2006	11	2096	5	374
2007	12	2726	5	460
2008	11	2498	2	585
2009	10	3831	2	588
2010	7	1462	2	383
2011	3	755	1	43
2012	0	0	0	0

N.A : Not available.

**SECTION – II**

**GASSINESS**

**STATEMENT NO. 2.1**  
**TREND IN EMPLOYMENT AND OUTPUT FROM GASSY COAL MINES HAVING DEGREE II OR III SEAMS**

Year	Gassy Coal Mines			Percentage of		
	No. of mines having Degree II or III or both II & III gassy seams	Employment in Gassy seams ( in '000 )	Output from Gassy seams (in million tonnes)	No. of mines having Gassy seams to total No. of Mines having UG workings	Employment in Gassy seams to total UG Employment	Output from Gassy seams to total UG output
1	2	3	4	5	6	7
1971	151	95.6	24.92	26.44	41.88	42.57
1976	140	144.8	30.66	35.71	41.66	40.24
1981	163	125.6	29.66	48.95	42.55	38.92
1986	156	123.5	26.25	35.94	39.52	34.99
1991	160	120.5	25.81	36.87	38.14	36.50
1992	155	114.6	25.29	35.55	36.79	35.58
1993	142	107.8	24.05	32.95	34.99	32.65
1994	140	102.8	22.23	32.48	35.12	31.47
1995	150	100.3	21.92	34.40	38.40	31.99
1996	145	95.1	21.21	33.41	33.78	30.24
1997	145	95.9	20.53	33.33	34.39	29.72
1998	149	94.5	20.57	33.94	34.98	30.00
1999	145	92.9	20.88	32.87	36.06	30.65
2000	139	85.5	20.05	31.81	34.36	30.27
2001	133	80.3	18.16	32.20	33.53	28.32
2002	140	76.4	18.67	34.65	34.02	28.58
2003	132	73.2	18.00	33.50	32.44	28.29
2004	126	69.8	17.46	31.66	33.09	28.21
2005	135	72.3	20.06	33.75	35.24	31.30
2006	130	64.6	17.65	33.25	32.96	28.84
2007	124	59.9	14.79	32.20	31.81	23.74
2008	126	58.9	16.51	33.60	31.50	24.60
2009	123	51.9	13.07	32.97	27.93	19.55
2010	126	54.8	14.68	34.33	30.11	20.97
2011	112	51.0	13.62	30.27	28.63	19.74
2012	116	47.9	13.00	32.86	27.84	20.16

**STATEMENT NO. 2.2**

**CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2012.**

STATE/DISTRICT	NUMBER OF MINES HAVING GASSY SEAMS OF DEGREE							TOTAL
	I ONLY	II ONLY	III ONLY	I & II	I & III	II & III	I,II & III	
1	2	3	4	5	6	7	8	9
ANDHRA PRADESH								
Adilabad	16	--	--	--	--	--	--	16
Karimnagar	14	--	--	--	--	--	--	14
Khammam	5	--	--	--	--	--	--	5
Warangal	6	--	--	--	--	--	--	6
TOTAL : ANDHRA PRADESH	41	--	--	--	--	--	--	41
ASSAM								
Tinsukia	--	--	2	--	--	--	--	2
CHATTISGARH								
Bilaspur	2	--	--	--	--	--	--	2
Raigarh	4	--	--	--	--	--	--	4
Surguja	10	--	--	--	--	--	--	10
Korea	16	--	--	--	--	--	--	16
Korba	10	--	1	--	--	--	--	11
TOTAL : CHATTISGARH	42	--	1	--	--	--	--	43
JHARKHAND								
Dhanbad	51	11	2	1	2	1	--	68
Hazaribagh	5	9	--	--	--	--	--	14
Ranchi	1	--	--	--	--	--	--	1
Bokaro	3	4	--	1	--	2	--	10
Chatra	1	--	--	--	--	--	--	1
TOTAL : JHARKHAND	61	24	2	2	2	3	--	94
JAMMU & KASHMIR								
Rajauri	--	2	--	--	--	--	--	2
Udhampur	1	--	--	--	--	--	--	1
TOTAL : JAMMU & KASHMIR	1	2	--	--	--	--	--	3
MADHYA PRADESH								
Betul	1	7	--	1	--	--	--	9
Chhindwara	10	7	--	--	--	--	--	17
Shahdol	20	1	--	--	--	--	--	21
Umaria	7	--	--	--	--	--	--	7
Anuppur	1	--	--	--	--	--	--	1
TOTAL : MADHYA PRADESH	39	15	--	1	--	--	--	55

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

STATE/DISTRICT	NUMBER OF MINES HAVING GASSY SEAMS OF DEGREE								TOTAL
	I ONLY	II ONLY	III ONLY	I & II	I & III	II & III	I, II & III		
1	2	3	4	5	6	7	8	9	
<b>MAHARASHTRA</b>									
Chandrapur	12	--	--	--	--	--	--	--	12
Nagpur	8	--	--	--	--	--	--	--	8
Yavatmal	2	--	--	--	--	--	--	--	2
<b>TOTAL : MAHARASHTRA</b>	<b>22</b>	--	--	--	--	--	--	--	<b>22</b>
<b>ORISSA</b>									
Angul	4	--	--	--	--	--	--	--	4
Jharsuguda	3	3	--	--	--	--	--	--	6
<b>TOTAL : ORISSA</b>	<b>7</b>	<b>3</b>	--	--	--	--	--	--	<b>10</b>
<b>WEST BENGAL</b>									
Bankura	--	1	--	--	--	--	--	--	1
Birbhum	1	--	--	--	--	--	--	--	1
Burdwan	23	53	2	--	--	1	--	--	79
Purulia	--	2	--	--	--	--	--	--	2
<b>TOTAL : WEST BENGAL</b>	<b>24</b>	<b>56</b>	<b>2</b>	--	--	1	--	--	<b>83</b>
<b>ALL INDIA : HARD COAL</b>	<b>237</b>	<b>100</b>	<b>7</b>	<b>3</b>	<b>2</b>	<b>4</b>	--	--	<b>353</b>

**STATEMENT NO. 2.3**

**CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2012 : OWNERWISE**

OWNER	NUMBER OF MINES HAVING GASSY SEAMS OF DEGREE							TOTAL
	I ONLY	II ONLY	III ONLY	I & II	I & III	II & III	I,II & III	
1	2	3	4	5	6	7	8	9
BCLL	40	11	1	2	1	--	--	55
CCL	9	13	--	--	--	2	--	24
ECL	31	55	2	--	--	1	--	89
MCL	7	3	--	--	--	--	--	10
NEC	--	--	2	--	--	--	--	2
SECL	67	1	1	--	--	--	--	69
WCL	32	14	--	1	--	--	--	47
<b>CIL</b>	<b>186</b>	<b>97</b>	<b>6</b>	<b>3</b>	<b>1</b>	<b>3</b>	<b>--</b>	<b>296</b>
IISCO	--	1	1	--	1	--	--	3
J&K Min.	1	2	--	--	--	--	--	3
SCCL	41	--	--	--	--	--	--	41
TISCO	4	--	--	--	--	1	--	5
PIL	1	--	--	--	--	--	--	1
MIL	1	--	--	--	--	--	--	1
JNL	1	--	--	--	--	--	--	1
SISCL	1	--	--	--	--	--	--	1
ELCALTD	1	--	--	--	--	--	--	1
<b>ALL INDIA</b>	<b>237</b>	<b>100</b>	<b>7</b>	<b>3</b>	<b>2</b>	<b>4</b>	<b>--</b>	<b>353</b>

**STATEMENT NO. 2.4**

**BELLOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2012.**

STATE/DISTRICT	DEGREE - I		DEGREE - II		DEGREE - III	
	EMPLOYMENT	OUTPUT ( IN TONNES )	EMPLOYMENT	OUTPUT ( IN TONNES )	EMPLOYMENT	OUTPUT ( IN TONNES )
	1	2	3	4	5	6
ANDHRA PRADESH						
Adilabad	16046	4514561	--	--	--	--
Karimnagar	16775	13297614	--	--	--	--
Khammam	2832	1522284	--	--	--	--
Warangal	4770	1316192	--	--	--	--
TOTAL : ANDHRA PRADESH	40423	20650651	--	--	--	--
ASSAM						
Tinsukia	--	--	--	--	476	3121
CHATTISGARH						
Bilaspur	467	154120	--	--	--	--
Raigarh	2489	1349126	--	--	--	--
Surguja	4775	2796317	--	--	--	--
Korea	7487	4149714	--	--	--	--
Korba	3290	1674837	--	--	453	183100
TOTAL : CHATTISGARH	18508	10124114	--	--	453	183100
JHARKHAND						
Dhanbad	20536	5117139	6416	863442	2652	321620
Hazaribagh	1283	190198	2990	437610	--	--
Ranchi	262	39927	--	--	--	--
Bokaro	1136	115936	1733	292495	448	76545
Chatra	356	54980	--	--	--	--
TOTAL : JHARKHAND	23573	5518180	11139	1593547	3100	398165
JAMMU & KASHMIR						
Rajauri	--	--	368	17903	--	--
Udhampur	100	3086	--	--	--	--
TOTAL : JAMMU & KASHMIR	100	3086	368	17903	--	--

**STATEMENT NO. 2.4 (cont.)**

STATE/DISTRICT	DEGREE - I		DEGREE - II		DEGREE - III	
	EMPLOYMENT	OUTPUT ( IN TONNES )	EMPLOYMENT	OUTPUT ( IN TONNES )	EMPLOYMENT	OUTPUT ( IN TONNES )
1	2	3	4	5	6	7
<b>MADHYA PRADESH</b>						
Betul	173	87676	3801	3157047	--	--
Chhindwara	2503	831680	2301	1486533	--	--
Shahdol	10866	5542380	760	566475	--	--
Umaria	4848	1369831	--	--	--	--
Anuppur	655	315275	--	--	--	--
<b>TOTAL : MADHYA PRADESH</b>	<b>19045</b>	<b>8146842</b>	<b>6862</b>	<b>5210055</b>	<b>--</b>	<b>--</b>
<b>MAHARASHTRA</b>						
Chandrapur	4986	1409504	--	--	--	--
Nagpur	3888	1700461	--	--	--	--
Yavatmal	661	265720	--	--	--	--
<b>TOTAL : MAHARASHTRA</b>	<b>9535</b>	<b>3375685</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>ORISSA</b>						
Angul	1690	374401	--	--	--	--
Jharsuguda	1257	773851	1614	1088031	--	--
<b>TOTAL : ORISSA</b>	<b>2947</b>	<b>1148252</b>	<b>1614</b>	<b>1088031</b>	<b>--</b>	<b>--</b>
<b>WEST BENGAL</b>						
Bankura	--	--	403	95693	--	--
Birbhum	6	--	--	--	--	--
Burdwan	10075	2402993	21678	4125486	835	101195
Purulia	--	--	1012	154953	--	--
<b>TOTAL : WEST BENGAL</b>	<b>10081</b>	<b>2402993</b>	<b>23093</b>	<b>4376132</b>	<b>835</b>	<b>101195</b>
<b>ALL INDIA : HARD COAL</b>	<b>124212</b>	<b>51369803</b>	<b>43076</b>	<b>12285668</b>	<b>4864</b>	<b>685581</b>

**STATEMENT NO. 2.5**

**BELLOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2012 : OWNERWISE**

OWNER	DEGREE - I		DEGREE - II		DEGREE - III	
	EMPLOYMENT	OUTPUT ( IN TONNES )	EMPLOYMENT	OUTPUT ( IN TONNES )	EMPLOYMENT	OUTPUT ( IN TONNES )
1	2	3	4	5	6	7
BCLL	14382	3477056	6035	758095	1509	127899
CCL	2493	339917	4437	648490	448	76545
ECL	12418	2814027	23122	4397460	835	101195
MCL	2947	1148252	1614	1088031	--	--
NEC	--	--	--	--	476	3121
SECL	32732	16282954	760	566475	453	183100
WCL	11868	4295041	6102	4643580	--	--
 CIL	 76840	 28357247	 42070	 12102131	 3721	 491860
IISCO	18	--	133	15754	473	93408
J&K Min.	100	3086	368	17903	--	--
SCCL	40423	20650651	--	--	--	--
TISCO	4045	1229049	505	149880	670	100313
PIL	205	--	--	--	--	--
MIL	1419	767611	--	--	--	--
JNL	521	301035	--	--	--	--
SISCL	343	--	--	--	--	--
ELCALTD	298	61124	--	--	--	--
 ALL INDIA	 124212	 51369803	 43076	 12285668	 4864	 685581

**SECTION – III**

**EXPLOSIVES**

STATEMENT NO. 3.1			
TREND IN CONSUMPTION OF EXPLOSIVES			
YEAR	PERMITTED EXPLOSIVES	NON PERMITTED EXPLOSIVES	(IN TONNES) GRAND TOTAL
1	2	3	4
1971	8865	3388	12253
1976	21670	6701	28371
1981	25886	20381	46267
1982	26111	26492	52603
1983	25947	28998	54945
1984	26342	37941	64283
1985	26489	41095	67584
1986	27140	49394	76534
1987	28203	65372	93575
1988	26823	67795	94618
1989	26937	86881	113818
1990	26731	87923	114654
1991	26182	98049	124231
1992	26146	114274	140420
1993	28670	126969	155639
1994	27398	129473	156871
1995	26343	163288	189631
1996	26320	181461	207781
1997	31731	201004	232735
1998	26471	220559	247030
1999	27217	240400	267617
2000	26755	263758	290513
2001	26254	266323	292577
2002	25737	289580	315317
2003	26912	282913	309825
2004	26651	307395	334046
2005	25678	271416	297094
2006	25060	320227	345287
2007	28843	323872	352715
2008	29251	366030	395281
2009	41522	419576	461098
2010	40073	453077	493150
2011	37217	466301	503518
2012	34674	439853	474527

**STATEMENT NO. 3.2**

**EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2012. (IN KILOGRAM)**

STATE/DISTRICT	NO.OF MINES USING	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETONATORS USED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
<b>1. COAL</b>					
ANDHRA PRADESH					
Adilabad	23	2060056	9642020	11702076	6771610
Karimnagar	19	2237766	32485778	34723544	7416317
Khammam	11	274153	12212923	12487076	1977303
Warangal	7	876104	1673970	2550074	1776274
<b>TOTAL : ANDHRA PRADESH</b>	<b>60</b>	<b>5448079</b>	<b>56014691</b>	<b>61462770</b>	<b>17941504</b>
ARUNACHAL PRADESH					
Chaglong	1	--	24019	24019	35622
ASSAM					
Tinsukia	5	212747	497668	710415	65060
CHATTISGARH					
Bilaspur	2	28195	--	28195	259395
Raigarh	11	739896	12917424	13657320	1802052
Surguja	15	1385283	4576476	5961759	2759278
Korea	16	1963178	--	1963178	3012948
Korba	16	900838	44587578	45488416	4191222
<b>TOTAL : CHATTISGARH</b>	<b>60</b>	<b>5017390</b>	<b>62081478</b>	<b>67098868</b>	<b>12024895</b>
JHARKHAND					
Deoghar	2	--	994424	994424	1200
Dhanbad	87	9460772	31186378	40647150	5794624
Giridih	2	--	590727	590727	21033
Godda	1	--	5515116	5515116	110212
Hazaribagh	32	2260870	26534751	28795621	1638589
Palamau	3	--	107008	107008	6286
Ranchi	6	13427	3609619	3623046	361084
Sahebganj	1	--	57993	57993	5917
Bokaro	21	301207	8164416	8465623	749044
Pakur	1	--	250914	250914	66002
Chatra	3	17925	10128353	10146278	36975
Latehar	1	--	117553	117553	2409
Ramgarh	2	--	1816941	1816941	86105
<b>TOTAL : JHARKHAND</b>	<b>162</b>	<b>12054201</b>	<b>89074193</b>	<b>101128394</b>	<b>8879480</b>
JAMMU & KASHMIR					
Rajauri	1	--	--	--	--
Udhampur	1	--	--	--	--
<b>TOTAL : JAMMU &amp; KASHMIR</b>	<b>2</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
MADHYA PRADESH					
Narsigpur	1	--	408836	408836	87757
Betul	9	1403163	--	1403163	3469014
Chhindwara	23	927639	3417163	4344802	1474173
Shahdol	27	3017377	11244057	14261434	9584123
Sidhi	4	--	40139460	40139460	2172554
Umaria	8	511349	1048250	1559599	1112142
Anuppur	2	204691	2321523	2526214	364559
Singrauli	1	--	9124564	9124564	1161
<b>TOTAL : MADHYA PRADESH</b>	<b>75</b>	<b>6064219</b>	<b>67703853</b>	<b>73768072</b>	<b>18265483</b>

**STATEMENT NO. 3.2(Cont.)**

STATE/DISTRICT	NO.OF MINES USING	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETONATORS USED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
<b>MAHARASHTRA</b>					
Chandrapur	29	743010	19976272	20719282	1433356
Nagpur	13	983458	4585721	5569179	1960743
Yavatmal	13	150949	12737162	12888111	10013242
<b>TOTAL : MAHARASHTRA</b>	<b>55</b>	<b>1877417</b>	<b>37299155</b>	<b>39176572</b>	<b>13407341</b>
<b>ORISSA</b>					
Angul	11	203732	21004863	21208595	1220058
Sundergarh	2	--	2688744	2688744	128001
Jharsuguda	11	911440	18532665	19444105	2501741
<b>TOTAL : ORISSA</b>	<b>24</b>	<b>1115172</b>	<b>42226272</b>	<b>43341444</b>	<b>3849800</b>
<b>UTTAR PRADESH</b>					
Sonebhadra	5	--	54338653	54338653	3552473
<b>WEST BENGAL</b>					
Bankura	2	42260	2133285	2175545	153071
Birbhum	2	--	740159	740159	29723
Burdwan	90	2753997	21963595	24717592	6194294
Purulia	2	60565	--	60565	163960
<b>TOTAL : WEST BENGAL</b>	<b>96</b>	<b>2856822</b>	<b>24837039</b>	<b>27693861</b>	<b>6541048</b>
<b>ALL INDIA : COAL</b>	<b>545</b>	<b>34646047</b>	<b>434097021</b>	<b>468743068</b>	<b>84562706</b>
<b>2. LIGNITE</b>					
<b>GUJARAT</b>					
Bharuch	1	--	--	--	--
Bhavanagar	2	--	--	--	--
Kutch	2	27873	--	27873	2952
Surat	3	--	--	--	--
<b>TOTAL : GUJARAT</b>	<b>8</b>	<b>27873</b>	<b>--</b>	<b>27873</b>	<b>2952</b>
<b>RAJASTHAN</b>					
Barmer	1	--	--	--	--
Bikaner	2	--	--	--	--
Nagaur	1	--	550	550	--
<b>TOTAL : RAJASTHAN</b>	<b>4</b>	<b>--</b>	<b>550</b>	<b>550</b>	<b>--</b>
<b>TAMILNADU</b>					
Cuddalore	2	--	5755198	5755198	18859
<b>ALL INDIA : LIGNITE</b>	<b>14</b>	<b>27873</b>	<b>5755748</b>	<b>5783621</b>	<b>21811</b>
<b>ALL INDIA: COAL &amp; LIGNITE</b>	<b>559</b>	<b>34673920</b>	<b>439852769</b>	<b>474526689</b>	<b>84584517</b>

**STATEMENT NO. 3.3**

**EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2012.**

OWNER	NO.OF MINES USING EXPLO- SIVES	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETON- ATORS USED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
BCCL	69	8783168	30063416	38846584	3989137
CCL	62	2442388	34452078	36894466	2434515
ECL	105	3054990	21682223	24737213	6820337
MCL	24	1115172	42226272	43341444	3849800
NCL	10	--	103602677	103602677	5726188
NEC	5	212747	497668	710415	65060
SECL	88	8161457	63083196	71244653	21656903
WCL	83	4147286	37761159	41908445	18161359
CIL	446	27917208	333368689	361285897	62703299
JSMDC	1	--	117553	117553	2409
DVC	1	--	135890	135890	110868
GMDC	5	27873	--	27873	2952
IISCO	4	22890	360748	383638	297786
J&K Min.	2	--	--	--	--
NLC	4	--	5755198	5755198	18859
SCCL	60	5448079	56014691	61462770	17941504
TISCO	9	488168	16110287	16598455	1079017
PIL	1	--	4000192	4000192	1515
GIPCL	2	--	--	--	--
GHCL	1	--	--	--	--
JINDAL	3	--	5914644	5914644	262342
BENGALEMTA	3	--	3192148	3192148	144714
APMDTC	1	--	24019	24019	35622
BLAI	1	--	408836	408836	87757
ICML	1	--	5412690	5412690	182958
MIL	1	401754	--	401754	724468
RSMML	1	--	550	550	--
PCML	1	--	250914	250914	66002
JNL	1	187596	97617	285213	358186
RASL	2	--	2080970	2080970	77193
SISCL	1	60933	--	60933	118775
ELCALTD	1	119419	--	119419	188126
DVC EMTA	2	--	3589715	3589715	139715
SEML	3	--	3017418	3017418	40450
BLMCL	1	--	--	--	--
ALL INDIA	559	34673920	439852769	474526689	84584517

**SECTION – IV**

**MACHINERY**

**STATEMENT NO.4.1**  
**TREND IN USAGE OF MACHINERIES IN BELOWGROUND WORKINGS**

Year	C o a l cutting Machine		Mechanical cutter/ Loader		Mechanical Loader		Drills		Rope-haulage		Locom- otives		Shuttle Car		Conveyors		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	No.	
1994	196	12295	63	14231	533	33800	3775	5727	3079	162128	69	5063	-	-	1177	84643	72	3581	8964	321468
1995	154	9815	65	16295	596	37758	3841	5819	3246	170822	80	6326	-	-	1160	89774	71	2139	9213	338748
1996	146	9570	53	12941	621	39163	3585	5443	2999	158357	58	5071	-	-	1171	86486	88	3038	8721	320069
1997	130	8220	51	12501	703	43607	3737	5655	3228	170392	62	4738	-	-	1154	85400	137	3472	9202	333985
1998	100	6330	50	12685	758	48165	3947	6013	3205	170449	49	3712	-	-	1289	96038	82	3005	9480	346407
1999	75	4896	48	12932	792	50203	3844	5828	3072	163442	54	4516	-	-	1298	94802	72	3239	9255	339858
2000	69	4366	46	11929	816	51997	3850	5885	3089	170656	49	3828	-	-	1156	88510	109	4938	9184	342109
2001	34	2210	51	11976	807	51799	3541	5368	2828	160220	43	3260	-	-	1163	79921	139	6919	8606	321673
2002	29	1755	39	10845	880	55067	3243	4891	2691	148830	46	3119	-	-	1218	94828	152	7579	8298	326914
2003	25	1716	33	10303	930	59241	3346	5013	2706	150085	44	2399	2	320	1306	101716	143	9115	8535	339908
2004	15	1056	41	11382	964	62683	3624	5494	2680	154005	36	1367	3	300	1192	95602	108	5361	8663	337250
2005	10	700	35	14418	895	61278	3326	5021	2552	145971	20	1000	2	220	1196	90599	114	8310	8150	327517
2006	12	1355	72	14061	977	61523	3304	5118	2382	132474	37	1455	5	370	1392	110500	96	6459	8277	333315
2007	15	1365	49	11534	999	68914	3559	5450	2698	151038	29	1149	5	472	1286	106957	198	15978	8853	362857
2008	26	1590	27	8992	1091	69761	3563	5440	2605	149039	30	2730	8	1056	1462	130895	198	14573	9010	384036
2009	55	3692	44	9517	987	73290	3155	4953	2356	139978	26	1811	-	-	1287	118848	128	12189	8038	364278
2010	57	7028	35	8713	1028	72373	3269	5523	2247	128797	35	2509	15	1682	1340	119973	301	23608	8423	370206
2011	196	14413	116	7635	1012	70053	3221	6880	2281	136378	67	3631	7	1275	1504	146969	517	39826	8921	427060
2012	174	10951	58	5395	1029	68834	2902	7975	2142	126589	63	3993	9	1127	1535	137807	467	34901	8379	397572

• Excluding underground pumps and ventilators.

## STATEMENT NO. 4.2

## MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2012.

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS				
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
ANDHRA PRADESH																													
Adilabad	3	41	329	4	22	1365	2	14	975	16	327	19500	5	20	2929	10	340	511	--	--	--	--	--	--	4	38	1785		
Karimnagar	2	50	4333	8	52	3460	1	1	200	11	230	12508	8	123	17907	13	358	632	--	--	--	--	--	--	7	66	5900		
Khamman	--	--	--	3	8	645	1	4	341	4	66	3342	4	60	8211	4	73	111	--	--	--	--	--	--	3	8	1360		
Warangal	1	28	35	2	9	585	--	--	--	5	92	4950	--	--	--	4	99	149	--	--	--	--	--	--	1	6	140		
TOTAL:ANDHRA PRADESH	6	119	4697	17	91	6055	4	19	1516	36	715	40300	17	203	29047	31	870	1403	--	--	--	--	--	--	15	118	9185		
ARUNACHAL PRADESH																													
Chaglong	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ASSAM																													
Tinsukia	--	--	--	--	--	--	--	--	--	1	3	200	--	--	--	1	4	6	--	--	--	--	--	--	1	2	40		
CHATTISGARH																													
Bilaspur	--	--	--	1	4	200	--	--	--	2	4	224	1	10	750	1	5	8	--	--	--	--	--	--	1	2	130		
Raigarh	--	--	--	2	32	1780	--	--	--	3	7	330	2	30	2536	4	45	561	--	--	--	--	--	--	2	31	910		
Surguja	--	--	--	8	41	2393	--	--	--	8	31	1959	10	79	6423	9	99	277	--	--	--	1	2	40	1	4	224		
Korea	2	6	1150	12	81	4747	1	4	252	13	50	3070	13	158	11026	14	140	593	1	2	142	2	3	330	5	14	702		
Korba	1	4	220	8	45	3120	--	--	--	8	38	2034	9	61	6131	10	77	436	--	--	--	--	--	--	6	40	6187		
TOTAL:CHATTISGARH	3	10	1370	31	203	12240	1	4	252	34	130	7617	35	338	26866	38	366	1875	1	2	142	3	5	370	15	91	8153		
MADHYA PRADESH																													
Umaria	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JHARKHAND																													
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Dhanbad	3	15	1906	41	168	10991	2	6	390	56	272	18443	17	253	16698	58	336	1031	--	--	--	4	44	2742	9	38	1685		
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Godda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Hazaribagh	--	--	--	7	14	1050	--	--	--	12	37	3100	2	9	440	11	55	86	1	2	90	--	--	--	4	12	510		
Palamau	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ranchi	--	--	--	1	3	150	--	--	--	1	3	180	1	6	450	1	6	9	--	--	--	--	--	--	--	--	--	--	
Sahibganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Bokaro	--	--	--	2	6	370	--	--	--	6	18	1170	3	5	260	10	39	57	--	--	--	--	--	--	1	1	30		
Pakur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Chatra	--	--	--	--	--	--	--	--	--	1	2	130	1	12	870	1	6	9	--	--	--	--	--	--	1	6	660		
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:JHARKHAND	3	15	1906	51	191	12561	2	6	390	76	332	23023	24	285	18718	81	442	1192	1	2	90	4	44	2742	15	57	2885		
JAMMU & KASHMIR																													
Rajauri	--	--	--	--	--	--	--	--	--	1	1	10	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--	--	
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--	1	1	10	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--	--	
MADHYA PRADESH																													
Narsigpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Betul	--	--	--	6	50	5483	1	5	250	9	50	2835	5	76	6403	9	108	771	--	--	--	--	--	--	3	19	1239		
Chhindwara	2	10	413	13	52	3115	--	--	17	90	4802	10	86	9177	16	135	285	--	--	--	--	--	--	3	20	1952			
Shahdol	1	4	1000	18	106	6920	1	5	250	19	128	7510	20	190	15656	19	241	374	--	--	--	1	8	405	4	15	939		
Sidhi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Umaria	--	--	--	3	18	1182	--	--	--	6	30	2232	6	44	2888	6	66	100	--	--	--	--	--	--	--	--	--	--	
Anuppur	--	--	--	1	8	450	--	--	--	1	5	250	1	14	1100	--	--	--	--	--	--	--	--	--	--	--	--	--	
Singrauli	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:MADHYA PRADESH	3	14	1413	41	234	17150	2	10	500	52	303	17629	42	410	35224	50	550	1530	--	--	--	1	8	405	10	54	4130		
MAHARASHTRA																													
Chandrapur	--	--	--	8	40	3158	2	7	430	10	84	5388	6	36	3126	9	93	158	--	--	--	--	--	--	2	11	1755		
Nagpur	--	--	--	7	35	1928	1	1	50	7	65	4063	8	73	5391	8	103	318	--	--	--	--	--	--	4	32	1965		
Yavatmal	--	--	--	2	14	870	--	--	--	2	17	975	2	18	1315	2	16	26	--	--	--	--	--	--	1	3	60		
TOTAL:MAHARASHTRA	--	--	--	17	89	5956	3	8	480	19	166	10426	16	127	9832	19	212	502	--	--	--	--	--	--	7	46	3780		

**STATEMENT NO. 4.2 (Cont.)**

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.										
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ORISSA																												
Angul	--	--	--	2	19	1180	1	2	170	1	5	250	2	28	2638	2	31	47	--	--	--	--	--	--	1	5	150	
Sambalpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sundergarh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Jharsuguda	1	1	50	3	13	749	--	--	--	6	52	3893	5	30	3081	6	40	381	--	--	--	--	--	--	1	15	755	
TOTAL:ORISSA	1	1	50	5	32	1929	1	2	170	7	57	4143	7	58	5719	8	71	428	--	--	--	--	--	--	2	20	905	
UTTAR PRADESH																												
Sonebhadra	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
WEST BENGAL																												
Bankura	1	2	150	1	5	325	--	--	--	1	5	215	--	--	--	1	1	2	--	--	--	--	--	--	--	--	--	
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Burdwan	6	13	1365	46	184	11618	4	9	2087	71	413	21756	19	112	12281	74	375	1021	2	5	895	4	6	476	14	74	5498	
Purulia	--	--	--	--	--	--	--	--	--	2	17	1270	1	1	70	2	11	16	--	--	--	--	--	--	2	5	325	
TOTAL:WEST BENGAL	7	15	1515	47	189	12943	4	9	2087	74	435	23241	20	113	12351	77	387	1039	2	5	895	4	6	476	16	79	5823	
ALL INDIA :	23	174	10951	209	1029	68834	17	58	5395	300	2142	126589	162	1535	137807	305	2902	7975	4	9	1127	12	63	3993	81	467	34901	

□

**STATEMENT NO. 4.3**  
**MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2012 : OWNERWISE**

OWNER	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.									
	1	2	3	4	5	6	7	8	9	10	11	12
BCCL	1	5	1126	38	160	10136	1	2	130	43	165	11405
CCL	--	--	--	9	19	1330	--	--	--	20	60	4580
ECL	8	17	1645	50	197	13463	5	13	2347	79	453	24311
MCL	1	1	50	5	32	1929	1	2	170	7	57	4143
NCL	--	--	--	--	--	--	--	--	--	--	--	--
NEC	--	--	--	--	--	--	--	--	--	1	3	200
SECL	4	14	2370	51	303	19012	2	9	502	59	292	17559
WCL	2	10	413	36	191	14554	4	13	730	45	306	18063
CIL	16	47	5604	189	902	60424	13	39	3879	254	1336	80261
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--	--	--	--
IISCO	--	--	--	1	4	575	--	--	--	3	13	628
J&K Min.	--	--	--	--	--	--	--	--	--	1	1	10
NLC	--	--	--	--	--	--	--	--	--	--	--	--
SCCL	6	119	4697	17	91	6055	4	19	1516	36	715	40300
TISCO	1	8	650	--	--	--	--	--	--	5	76	5340
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--	--	--	--	--
MIL	--	--	--	1	24	1380	--	--	--	1	1	50
CTL	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	--	--	--
PCML	--	--	--	--	--	--	--	--	--	--	--	--
JNL	--	--	--	1	8	400	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--

**STATEMENT NO. 4.3 (Cont.)**

OWNER	CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.												
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27
BCCL	9	52	7236	46	237	386	--	--	--	2	6	592	7	24	1085
CCL	6	29	1840	21	97	147	1	2	90	--	--	--	6	19	1200
ECL	21	116	12526	83	419	1583	2	5	895	4	6	476	16	79	5823
MCL	7	58	5719	8	71	428	--	--	--	--	--	--	2	20	905
NCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NEC	--	--	--	1	4	6	--	--	--	--	--	--	1	2	40
SECL	60	556	43974	61	635	1799	1	2	142	4	13	775	17	75	8182
WCL	31	289	25412	44	455	1558	--	--	--	--	--	--	13	85	6971
CIL	134	1100	96707	264	1918	5907	4	9	1127	10	25	1843	62	304	24206
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IISCO	2	33	1658	3	18	28	--	--	--	--	--	--	1	2	50
J&K Min.	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SCCL	17	203	29047	31	870	1403	--	--	--	--	--	--	15	118	9185
TISCO	5	165	7629	4	56	84	--	--	--	2	38	2150	1	12	550
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MIL	1	22	2071	1	30	538	--	--	--	--	--	--	1	14	480
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JNL	1	8	465	1	8	12	--	--	--	--	--	--	1	17	430
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	1	3	180	1	2	3	--	--	--	--	--	--	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

**STATEMENT NO. 4.3(Cont.)**

OWNER	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.									
1	2	3	4	5	6	7	8	9	10	11	12	13
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--
SEML	--	--	--	--	--	--	--	--	--	--	--	--
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	23	174	10951	209	1029	68834	17	58	5395	300	2142	126589

**STATEMENT NO. 4.3(Cont.)**

OWNER	CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.													
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SEML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	162	1535	137807	305	2902	7975	4	9	1127	12	63	3993	81	467	34901	

## STATEMENT No. 4.4

### TREND IN USAGE OF MACHINERIES IN OPENCAST WORKINGS

Machineries	2002		2003		2004		2005		2006		2007		2008		2009		2010		2011		2012	
	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	20	21	22	23
Shovel	1159	439766	1136	445566	1135	479579	1073	452744	1088	448264	1188	511520	1247	548029	1320	557498	1499	567145	1576	656597	1610	645791
Drill	972	316917	1003	329921	978	332532	922	329023	861	303143	1023	397481	1018	349428	920	326280	980	322643	914	338198	952	328475
Dragline	41	117963	39	108696	45	118809	34	91355	28	76853	33	77022	48	113359	40	99700	42	97924	46	105391	43	99177
Dozer	1201	456563	1230	466530	1309	506301	1219	448133	1151	418210	1382	495484	1411	501190	1410	523998	1437	487252	1570	521331	1488	521347
Dumper	4721	2365904	4576	2535581	4516	2335655	4553	2487737	4391	2363973	4634	2506481	4994	2685842	5324	2827622	5455	2693218	6286	3141190	5850	3203992
Scraper	2	665	2	665	1	330	-	-	1	147	4	1107	5	1410	3	960	6	1469	18	2749	8	1067
Grader	218	49047	237	55172	282	47926	217	43290	237	50511	276	64320	276	58515	359	63527	388	67079	416	74295	404	70618
Loader	120	30697	101	25631	91	22203	76	20245	78	22481	126	36253	156	36673	134	3425	142	28922	147	30939	169	40173
Crane	328	43863	341	48441	359	50993	347	42491	249	34086	368	48659	399	52317	426	49472	431	46558	440	41616	463	48959
Others	267	62859	252	79539	325	101222	226	120153	290	80591	413	111542	532	132206	418	105412	472	125650	504	97258	405	92799
Total	9029	3864244	8917	4095742	9041	3995550	8667	4035171	8374	3798259	9447	4249869	10086	4478969	10354	4557894	10852	4437860	11917	5009564	11392	5052398

**STATEMENT NO. 4.5**  
**MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2012.**

STATE/DISTRICT	SHOVELS				DUMPERS				DRILLS				DOZERS				CRANES			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USING	NUMBER IN USE	TOTAL H.P.														
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
<b>ANDHRA PRADESH</b>																				
Adilabad	5	14	3610	5	38	14440	5	6	1930	5	12	3840	2	8	1688					
Karimnagar	5	51	31561	5	318	250693	5	50	18340	5	57	18240	3	28	3835					
Khammam	6	97	39820	5	224	145200	5	28	10480	6	47	17770	4	32	2508					
Warangal	2	9	3485	2	36	14175	2	3	840	2	5	920	--	--	--					
<b>TOTAL:ANDHRA PRADESH</b>	<b>18</b>	<b>171</b>	<b>78476</b>	<b>17</b>	<b>616</b>	<b>424508</b>	<b>17</b>	<b>87</b>	<b>31590</b>	<b>18</b>	<b>121</b>	<b>40770</b>	<b>9</b>	<b>68</b>	<b>8031</b>					
<b>ARUNACHAL PRADESH</b>																				
Chaglong	1	20	1473	1	66	1354	--	--	--	1	7	374	--	--	--					
<b>ASSAM</b>																				
Tinsukia	3	32	12804	2	46	18140	3	7	1464	3	15	5474	--	--	--					
<b>CHATTISGARH</b>																				
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
Raigarh	7	36	12915	7	215	70124	5	19	3895	8	30	9193	1	1	100					
Surguja	5	10	3960	5	80	23400	5	13	5000	3	21	6990	1	2	500					
Korea	1	1	232	1	3	380	1	2	388	1	1	400	--	--	--					
Korba	6	44	20924	6	173	106439	6	55	19495	6	78	27670	4	27	3655					
<b>TOTAL:CHATTISGARH</b>	<b>19</b>	<b>91</b>	<b>38031</b>	<b>19</b>	<b>471</b>	<b>200343</b>	<b>17</b>	<b>89</b>	<b>28778</b>	<b>18</b>	<b>130</b>	<b>44253</b>	<b>6</b>	<b>30</b>	<b>4255</b>					
<b>JHARKHAND</b>																				
Deoghar	2	8	2590	2	27	10260	2	5	1900	2	8	3130	1	2	240					
Dhanbad	38	212	71922	37	809	355454	38	146	43365	37	217	76923	10	25	4088					
Giridih	2	4	1130	2	15	5852	2	4	1650	2	4	1550	1	1	170					
Godda	1	10	20798	1	53	6750	1	6	1920	1	7	2870	--	--	--					
Hazaribagh	20	59	18556	20	278	144376	20	52	17631	20	67	25615	7	15	1904					
Palamu	3	11	3160	3	34	12030	2	4	1260	3	7	2130	--	--	--					
Ranchi	5	21	5547	5	83	31755	4	13	5018	5	35	13700	1	2	330					
Sahebganj	1	1	110	1	4	1520	1	1	200	1	1	400	--	--	--					
Bokaro	13	43	14918	12	178	83290	12	32	9911	12	41	14095	2	3	160					
Pakur	1	9	9000	1	47	47198	1	8	3340	1	16	7385	1	2	367					
Chatra	2	9	2617	2	47	26817	2	9	3620	1	9	2880	2	6	638					
Latehar	1	2	660	1	9	2510	1	2	400	1	2	370	--	--	--					
Ramgarh	2	5	1831	2	38	15400	2	7	2660	2	12	4290	2	3	385					
<b>TOTAL:JHARKHAND</b>	<b>91</b>	<b>394</b>	<b>152839</b>	<b>89</b>	<b>1622</b>	<b>743212</b>	<b>88</b>	<b>289</b>	<b>92875</b>	<b>88</b>	<b>426</b>	<b>155338</b>	<b>27</b>	<b>59</b>	<b>8282</b>					

**STATEMENT NO. 4.5(Contd.)**

STATE/DISTRICT	SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.													
	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ANDHRA PRADESH																
Adilabad	--	--	--	--	--	--	2	2	250	4	6	670	3	5	375	
Karimnagar	--	--	--	3	3	11500	3	9	1822	5	22	5070	--	--	--	
Khammam	--	--	--	--	--	--	4	10	1580	6	19	4369	2	8	2605	
Warangal	--	--	--	--	--	--	--	--	--	2	3	285	1	1	50	
TOTAL:ANDHRA PRADESH	--	--	--	3	3	11500	9	21	3652	17	50	10394	6	14	3030	
ARUNACHAL PRADESH																
Chaglong	--	--	--	--	--	--	--	--	--	1	1	173	--	--	--	
ASSAM																
Tinsukia	--	--	--	--	--	--	--	--	--	2	2	313	--	--	--	
CHATTISGARH																
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Raigarh	--	--	--	2	2	855	4	17	3271	6	13	2058	3	88	28470	
Surguja	--	--	--	2	2	4540	3	7	1066	3	3	615	1	1	400	
Korea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Korba	--	--	--	--	--	--	3	6	567	5	21	3728	1	7	2405	
TOTAL:CHATTISGARH	--	--	--	4	4	5395	10	30	4904	14	37	6401	5	96	31275	
JHARKHAND																
Deoghar	--	--	--	--	--	--	1	1	380	1	1	285	1	1	380	
Dhanbad	--	--	--	3	5	5125	--	--	--	12	88	3715	4	12	3066	
Giridih	--	--	--	--	--	--	1	1	480	1	1	200	1	1	310	
Godda	--	--	--	--	--	--	--	--	--	1	2	420	--	--	--	
Hazaribagh	--	--	--	--	--	--	4	6	2831	15	18	3835	5	70	7488	
Palamau	--	--	--	--	--	--	1	1	354	1	1	220	--	--	--	
Ranchi	--	--	--	--	--	--	2	2	560	4	6	2877	3	5	1980	
Sahebganj	--	--	--	--	--	--	1	1	110	--	--	--	--	--	--	
Bokaro	--	--	--	--	--	--	3	5	1062	7	7	1492	5	9	2015	
Pakur	--	--	--	--	--	--	1	1	222	--	--	--	--	--	--	
Chatra	--	--	--	--	--	--	--	--	--	1	4	1120	--	--	--	
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ramgarh	--	--	--	1	2	620	1	1	430	2	3	1050	--	--	--	
TOTAL:JHARKHAND	--	--	--	4	7	5745	15	19	6429	45	131	15214	19	98	15239	

**STATEMENT NO. 4.5 (Cont.)**

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USING	NUMBER IN USE	TOTAL H.P.									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>JAMMU &amp; KASHMIR</b>															
Rajauri	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>TOTAL:JAMMU &amp; KASHMIR</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>MADHYA PRADESH</b>															
Narsigpur	1	2	632	1	16	5626	1	3	773	1	2	500	--	--	--
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chhindwara	2	7	2175	3	22	8100	3	8	3040	2	8	2560	1	1	120
Shahdol	4	20	5758	3	59	25670	6	21	7295	5	34	11050	4	13	2502
Sidhi	4	55	38233	4	215	240424	4	62	28808	4	77	35370	3	25	4583
Umaria	1	2	600	1	4	1200	1	2	600	1	2	500	--	--	--
Anuppur	1	2	1140	1	4	1868	--	--	--	1	2	700	1	2	228
Singrauli	--	--	--	1	12	12340	1	2	580	1	4	1640	--	--	--
<b>TOTAL:MADHYA PRADESH</b>	13	88	48538	14	332	295228	16	98	41096	15	129	52320	9	41	7433
<b>MAHARASHTRA</b>															
Chandrapur	16	132	54836	15	413	256370	15	65	20772	15	116	38638	13	40	6286
Nagpur	5	40	13888	5	115	60603	4	19	7062	5	33	11083	2	6	922
Yavatmal	11	75	27017	11	293	144205	11	38	12353	11	55	18670	6	15	1183
<b>TOTAL:MAHARASHTRA</b>	32	247	95741	31	821	461178	30	122	40187	31	204	68391	21	61	8391
<b>ORISSA</b>															
Angul	8	59	22130	7	273	187902	7	58	21004	8	76	28654	7	23	2226
Sambalpur	1	6	2010	1	36	13291	1	1	480	1	5	3076	--	--	--
Sundergarh	1	4	1397	1	47	12860	1	5	1332	2	7	2090	1	5	457
Jharsuguda	5	36	12848	5	197	140568	5	43	15929	5	37	14897	5	23	2583
<b>TOTAL:ORISSA</b>	15	105	38385	14	553	354621	14	107	38745	16	125	48717	13	51	5266

**STATEMENT NO. 4.5 (Contd.)**

STATE/DISTRICT	SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.													
	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JAMMU & KASHMIR																
Rajauri	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
<b>TOTAL:JAMMU &amp; KASHMIR</b>	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MADHYA PRADESH																
Narsigpur	--	--	--	--	--	--	--	--	--	1	1	175	1	3	1384	
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chhindwara	--	--	--	--	--	--	2	2	350	--	--	--	--	--	--	--
Shahdol	--	--	--	3	5	8390	1	3	615	3	6	1671	1	5	1560	
Sidhi	--	--	--	2	5	20076	2	5	2497	4	24	6890	--	--	--	--
Umaria	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anuppur	--	--	--	--	--	--	--	--	--	1	1	246	--	--	--	--
Singrauli	--	--	--	--	--	--	1	2	2126	1	2	560	1	3	840	
<b>TOTAL:MADHYA PRADESH</b>	--	--	--	5	10	28466	6	12	5588	10	34	9542	3	11	3784	
MAHARASHTRA																
Chandrapur	--	--	--	2	2	6619	5	11	2676	13	22	4691	3	21	5280	
Nagpur	--	--	--	1	2	3380	2	2	620	1	2	430	2	13	2380	
Yavatmal	1	6	943	--	--	--	--	--	--	7	13	2753	3	14	2582	
<b>TOTAL:MAHARASHTRA</b>	1	6	943	3	4	9999	7	13	3296	21	37	7874	8	48	10242	
ORISSA																
Angul	--	--	--	1	1	3015	6	25	7949	6	15	4280	1	5	1686	
Sambalpur	--	--	--	--	--	--	1	7	1040	1	3	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	2	9	1169	1	2	495	2	7	1275	
Jharsuguda	--	--	--	2	3	4677	2	3	717	5	11	2323	1	2	216	
<b>TOTAL:ORISSA</b>	--	--	--	3	4	7692	11	44	10875	13	31	7098	4	14	3177	

**STATEMENT NO. 4.5(Cont.)**

STATE/DISTRICT	SHOVELS				DUMPERS				DRILLS				DOZERS				CRANES			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
UTTAR PRADESH																				
Sonebhadra	5	60	35808	5	298	234225	5	57	27290	5	66	27869	3	18	3016					
WEST BENGAL																				
Bankura	2	9	7056	2	24	24342	1	4	1180	2	5	2090	--	--	--					
Birbhum	2	6	3904	2	26	17600	--	--	--	2	6	1740	--	--	--					
Burdwan	18	106	38763	17	335	185172	18	58	19459	16	66	23035	5	14	1823					
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:WEST BENGAL	22	121	49723	21	385	227114	19	62	20639	20	77	26865	5	14	1823					
GUJARAT																				
Bharuch	2	39	11575	1	81	31814	--	--	--	2	9	1145	--	--	--					
Bhavanagar	2	30	16644	2	97	40088	--	--	--	2	9	1689	--	--	--					
Kutch	2	24	7080	2	31	11340	1	5	1720	2	10	2800	1	1	150					
Surat	3	59	17400	3	202	77947	--	--	--	3	21	4330	--	--	--					
TOTAL:GUJARAT	9	152	52699	8	411	161189	1	5	1720	9	49	9964	1	1	150					
RAJASTHAN																				
Barmer	2	59	18910	2	70	30120	2	16	161	2	15	2988	--	--	--					
Bikaner	3	25	7884	3	100	32300	1	1	350	3	13	3080	1	1	120					
Nagaur	1	3	1040	1	13	4160	--	--	--	1	4	1420	--	--	--					
TOTAL:RAJASTHAN	6	87	27834	6	183	66580	3	17	511	6	32	7488	1	1	120					
TAMILNADU																				
Cuddalore	1	42	13440	2	46	16300	1	12	3580	2	107	33524	2	119	2192					
ALL INDIA :	235	1610	645791	229	5850	3203992	214	952	328475	232	1488	521347	97	463	48959					

**STATEMENT NO. 4.5(Contd.)**

STATE/DISTRICT	SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.													
	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
UTTAR PRADESH																
Sonebhadra	--	--	--	3	10	26580	3	5	2252	5	19	3955	2	9	5238	
WEST BENGAL																
Bankura	--	--	--	--	--	--	--	--	--	1	1	203	1	5	1050	
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	1	4	409	
Burdwan	--	--	--	1	1	3800	4	10	1780	5	10	1801	3	32	7822	
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TOTAL:WEST BENGAL	--	--	--	1	1	3800	4	10	1780	6	11	2004	5	41	9281	
GUJARAT																
Bharuch	--	--	--	--	--	--	--	--	--	2	8	1200	1	9	2250	
Bhavanagar	--	--	--	--	--	--	1	1	76	1	4	540	1	2	600	
Kutch	--	--	--	--	--	--	2	4	485	1	1	120	--	--	--	
Surat	--	--	--	--	--	--	--	--	--	3	10	1330	2	15	2229	
TOTAL:GUJARAT	--	--	--	--	--	--	3	5	561	7	23	3190	4	26	5079	
RAJASTHAN																
Barmer	1	2	124	--	--	--	--	--	--	2	12	1770	--	--	--	
Bikaner	--	--	--	--	--	--	2	2	224	2	8	1172	2	14	2370	
Nagaur	--	--	--	--	--	--	--	--	--	1	1	210	--	--	--	
TOTAL:RAJASTHAN	1	2	124	--	--	--	2	2	224	5	21	3152	2	14	2370	
TAMILNADU																
Cuddalore	--	--	--	--	--	--	2	8	612	2	7	1308	1	34	4084	
ALL INDIA :	2	8	1067	26	43	99177	72	169	40173	148	404	70618	59	405	92799	

**STATEMENT NO. 4.6**  
**MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2012 : OWNERWISE**

OWNER	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.												
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BCCL	34	193	65617	33	747	332534	34	136	40417	33	203	72953	10	25	4088
CCL	40	130	41331	39	584	286576	37	106	36720	38	159	57725	15	30	3587
ECL	23	107	47084	22	326	139705	23	65	22074	21	73	26360	5	14	1485
MCL	14	99	36375	13	517	341330	13	106	38265	15	120	45641	13	51	5266
NCL	9	115	74041	10	525	486989	10	121	56678	10	147	64879	6	43	7599
NEC	3	32	12804	2	46	18140	3	7	1464	3	15	5474	--	--	--
SECL	17	78	32096	16	335	162889	19	92	32318	17	138	47310	10	43	6757
WCL	31	228	77380	31	750	371178	30	125	41167	30	189	61733	20	58	7983
CIL	171	982	386728	166	3830	2139341	169	758	269103	167	1044	382075	79	264	36765
JSMDC	1	2	660	1	9	2510	1	2	400	1	2	370	--	--	--
DVC	1	3	640	1	7	2604	1	2	600	1	2	900	--	--	--
GMDC	6	109	40518	5	238	97999	1	5	1720	6	32	6889	1	1	150
IISCO	2	14	5542	2	73	27560	2	5	1578	2	9	2850	--	--	--
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	3	62	19824	4	141	47000	1	12	3580	4	118	35964	2	119	2192
SCCL	18	171	78476	17	616	424508	17	87	31590	18	121	40770	9	68	8031
TISCO	4	7	2520	4	38	14980	4	8	2680	4	8	3435	--	--	--
RSMDC	1	13	3450	1	41	14480	1	1	155	1	3	540	--	--	--
PIL	1	3	750	1	4	1200	1	2	760	1	3	900	--	--	--
GIPCL	2	39	10741	2	153	56615	--	--	--	2	14	2645	--	--	--
GHCL	1	4	1440	1	20	6575	--	--	--	1	3	430	--	--	--
JINDAL	3	25	9268	3	164	50864	3	17	3360	3	21	6527	--	--	--
BENGALEMFTA	3	22	17439	3	72	61757	1	7	2075	3	16	6130	1	2	578
APMDTC	1	20	1473	1	66	1354	--	--	--	1	7	374	--	--	--
BLAI	1	2	632	1	16	5626	1	3	773	1	2	500	--	--	--
ICML	1	11	3488	1	52	20800	1	6	1550	1	7	1155	--	--	--
INDAL	1	6	2010	1	36	13291	1	1	480	1	5	3076	--	--	--
MIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	1	3	1040	1	13	4160	--	--	--	1	4	1420	--	--	--
PCML	1	9	9000	1	47	47198	1	8	3340	1	16	7385	1	2	367
JNL	1	3	1035	1	7	2660	1	1	235	1	2	700	--	--	--
RASL	2	14	10438	2	54	52410	1	2	840	2	12	4632	1	2	259
SISCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VSLPPL	1	5	1500	1	5	1600	1	1	350	1	2	640	1	1	120
WBMD&TCL	1	2	760	1	2	760	--	--	--	1	1	400	--	--	--
UML	1	8	2185	1	28	9760	1	2	900	1	3	850	--	--	--
DVC EMTA	2	19	16114	2	64	71192	2	6	2020	2	15	6139	1	2	269
SEML	3	6	2660	3	25	9548	1	1	380	3	4	1203	1	2	228
BLMCL	1	46	15460	1	29	15640	1	15	6	1	12	2448	--	--	--
ALL INDIA	235	1610	645791	229	5850	3203992	214	952	328475	232	1488	521347	97	463	48959

**STATEMENT NO. 4.6(Contd.)**

OWNER	SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.												
	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30
BCCL	--	--	--	3	5	5125	--	--	--	11	86	3595	3	11	2906
CCL	--	--	--	1	2	620	11	15	5363	29	38	10194	12	23	7560
ECL	--	--	--	1	1	3800	4	9	1840	6	11	2225	2	7	2940
MCL	--	--	--	3	4	7692	10	37	9835	12	28	7098	4	14	3177
NCL	--	--	--	5	15	46656	6	12	6875	10	45	11405	3	12	6078
NEC	--	--	--	--	--	--	--	--	--	2	2	313	--	--	--
SECL	--	--	--	5	7	12930	8	27	3898	13	32	6214	3	13	4365
WCL	1	6	943	3	4	9999	7	9	2120	19	31	6424	6	28	5342
CIL	1	6	943	21	38	86822	46	109	29931	102	273	47468	33	108	32368
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	3	5	561	5	16	2420	2	11	2850
IISCO	--	--	--	--	--	--	1	2	320	1	2	290	1	1	160
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	4	10	836	4	15	2480	3	48	6454
SCCL	--	--	--	3	3	11500	9	21	3652	17	50	10394	6	14	3030
TISCO	--	--	--	--	--	--	--	--	--	1	1	280	2	62	4233
RSMDC	1	2	124	--	--	--	--	--	--	1	4	970	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	2	7	770	2	15	2229
GHCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	2	5	1301	2	9	1620	2	87	27560
BENGALEMFTA	--	--	--	--	--	--	1	1	110	1	1	146	2	15	3074
APMDTC	--	--	--	--	--	--	--	--	--	1	1	173	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	1	1	175	1	3	1384
ICML	--	--	--	--	--	--	--	--	--	1	2	285	1	15	2597
INDAL	--	--	--	--	--	--	1	7	1040	1	3	--	--	--	--
MIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMLM	--	--	--	--	--	--	--	--	--	1	1	210	--	--	--
PCML	--	--	--	--	--	--	1	1	222	--	--	--	--	--	--
JNL	--	--	--	1	1	380	1	1	320	--	--	--	--	--	--
RASL	--	--	--	--	--	--	1	3	766	2	4	844	1	10	2450
SISCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	1	1	354	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	1	3	760	2	4	928	2	15	3500
SEML	--	--	--	1	1	475	--	--	--	2	2	365	1	1	910
BLMCL	--	--	--	--	--	--	--	--	--	1	8	800	--	--	--
ALL INDIA	2	8	1067	26	43	99177	72	169	40173	148	404	70618	59	405	92799

**STATEMENT NO. 4.7**  
**MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2012.**

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	1	2	3	4	5	6	7	8	9
<b>1. COAL</b>									
ANDHRA PRADESH									
Adilabad	15	21	3000	1	3	380	12	23	2306
Karimnagar	13	20	2207	--	--	--	11	103	24164
Khammam	4	4	337	--	--	--	6	58	3465
Warangal	6	11	1537	--	--	--	3	6	480
TOTAL : ANDHRA PRADESH	38	56	7081	1	3	380	32	190	30415
ARUNACHAL PRADESH									
Chaglong	--	--	--	--	--	--	--	--	--
ASSAM									
Tinsukia	1	3	320	1	1	70	1	1	30
CHATTISGARH									
Bilaspur	1	1	75	--	--	--	1	1	180
Raigarh	5	11	2909	4	44	17120	2	3	370
Surguja	10	12	771	2	26	4120	9	22	1976
Korea	10	17	1373	--	--	--	12	71	5531
Korba	9	10	653	--	--	--	11	66	16483
TOTAL : CHATTISGARH	35	51	5781	6	70	21240	35	163	24540
JHARKHAND									
Deoghar	--	--	--	2	2	700	--	--	--
Dhanbad	25	66	6370	22	86	16421	11	87	4316
Giridih	--	--	--	--	--	--	--	--	--
Godda	--	--	--	--	--	--	--	--	--
Hazaribagh	12	29	2722	3	4	1453	3	14	1140
Palamau	--	--	--	--	--	--	--	--	--
Ranchi	1	1	130	--	--	--	--	--	--
Sahebganj	--	--	--	1	4	345	--	--	--
Bokaro	7	23	3800	3	28	5040	2	3	435
Pakur	--	--	--	--	--	--	--	--	--
Chatra	1	2	190	1	1	38	2	4	958
Latehar	--	--	--	--	--	--	--	--	--
Ramgarh	--	--	--	1	13	4940	--	--	--
TOTAL : JHARKHAND	46	121	13212	33	138	28937	18	108	6849
JAMMU & KASHMIR									
Rajauri	2	3	740	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	2	3	740	--	--	--	--	--	--
MADHYA PRADESH									
Narsigpur	--	--	--	--	--	--	--	--	--
Betul	8	8	697	1	1	221	8	15	1230
Chhindwara	16	21	2032	2	2	150	12	17	1950
Shahdol	18	38	2020	3	8	384	18	55	6438
Sidhi	--	--	--	--	--	--	3	44	12903
Umaria	6	20	1355	1	1	50	3	4	340
Anuppur	1	1	100	--	--	--	1	3	360
Singrauli	--	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	49	88	6204	7	12	805	45	138	23221
MAHARASHTRA									
Chandrapur	9	12	1340	4	36	11920	11	41	3486
Nagpur	7	11	835	--	--	--	9	23	2072
Yavatmal	2	14	902	--	--	--	3	12	555
TOTAL : MAHARASHTRA	18	37	3077	4	36	11920	23	76	6113

**STATEMENT NO. 4.7(Contd.)**

STAT/DISTRICT	LOCOMOTIVES			LOADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
1	11	12	13	14	15	16	17	18	19
<b>1. COAL</b>									
ANDHRA PRADESH									
Adilabad	--	--	--	--	--	--	2	9	817
Karimnagar	--	--	--	--	--	--	1	1	150
Khammam	--	--	--	--	--	--	2	5	194
Warangal	--	--	--	--	--	--	1	1	100
TOTAL : ANDHRA PRADESH	--	--	--	--	--	--	6	16	1261
ARUNACHAL PRADESH									
Chaglong	--	--	--	--	--	--	--	--	--
ASSAM									
Tinsukia	1	3	215	--	--	--	--	--	--
CHATTISGARH									
Bilaspur	--	--	--	--	--	--	--	--	--
Raigarh	--	--	--	--	--	--	1	3	918
Surguja	--	--	--	1	3	1200	1	12	6831
Korea	--	--	--	--	--	--	--	--	--
Korba	--	--	--	--	--	--	1	1	100
TOTAL : CHATTISGARH	--	--	--	1	3	1200	3	16	7849
JHARKHAND									
Deoghar	--	--	--	--	--	--	1	3	1075
Dhanbad	1	1	20	--	--	--	2	8	663
Giridih	--	--	--	--	--	--	--	--	--
Godda	--	--	--	--	--	--	--	--	--
Hazaribagh	--	--	--	--	--	--	1	1	490
Palamau	--	--	--	--	--	--	--	--	--
Ranchi	--	--	--	--	--	--	--	--	--
Sahebganj	--	--	--	--	--	--	--	--	--
Bokaro	--	--	--	--	--	--	--	--	--
Pakur	--	--	--	--	--	--	--	--	--
Chatra	--	--	--	--	--	--	--	--	--
Latehar	--	--	--	--	--	--	--	--	--
Ramgarh	--	--	--	--	--	--	--	--	--
TOTAL : JHARKHAND	1	1	20	--	--	--	4	12	2228
JAMMU & KASHMIR									
Rajauri	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--
MADHYA PRADESH									
Narsigpur	--	--	--	--	--	--	--	--	--
Betul	--	--	--	--	--	--	--	--	--
Chhindwara	--	--	--	--	--	--	--	--	--
Shahdol	--	--	--	--	--	--	3	20	1597
Sidhi	--	--	--	--	--	--	--	--	--
Umaria	--	--	--	--	--	--	--	--	--
Anuppur	--	--	--	--	--	--	--	--	--
Singrauli	--	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	--	--	--	--	--	--	3	20	1597
MAHARASHTRA									
Chandrapur	--	--	--	1	1	250	3	6	790
Nagpur	--	--	--	--	--	--	--	--	--
Yavatmal	--	--	--	--	--	--	--	--	--
TOTAL : MAHARASHTRA	--	--	--	1	1	250	3	6	790

**STATEMENT NO. 4.7 (Cont.)**

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
1	2	3	4	5	6	7	8	9	10
<b>ORISSA</b>									
Angul	--	--	--	--	--	--	6	56	5460
Sambalpur	--	--	--	--	--	--	--	--	--
Sundergarh	--	--	--	1	3	99	2	3	274
Jharsuguda	5	7	675	4	8	400	6	8	1447
<b>TOTAL : ORISSA</b>	<b>5</b>	<b>7</b>	<b>675</b>	<b>5</b>	<b>11</b>	<b>499</b>	<b>14</b>	<b>67</b>	<b>7181</b>
<b>UTTAR PRADESH</b>									
Sonebhadra	--	--	--	--	--	--	2	31	7332
<b>WEST BENGAL</b>									
Bankura	1	1	100	1	2	238	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--
Burdwan	32	44	4157	42	87	6580	23	51	5570
Purulia	--	--	--	--	--	--	--	--	--
<b>TOTAL : WEST BENGAL</b>	<b>33</b>	<b>45</b>	<b>4257</b>	<b>43</b>	<b>89</b>	<b>6818</b>	<b>23</b>	<b>51</b>	<b>5570</b>
<b>ALL INDIA : COAL</b>	<b>227</b>	<b>411</b>	<b>41347</b>	<b>100</b>	<b>360</b>	<b>70669</b>	<b>193</b>	<b>825</b>	<b>111251</b>
<b>2. LIGNITE</b>									
<b>GUJARAT</b>									
Bharuch	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	1	1	125	1	1	180
Kutch	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--
<b>TOTAL : GUJARAT</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1</b>	<b>1</b>	<b>125</b>	<b>1</b>	<b>1</b>	<b>180</b>
<b>RAJASTHAN</b>									
Barmer	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--
<b>TOTAL : RAJASTHAN</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>--</b>
<b>TAMILNADU</b>									
Cuddalore	--	--	--	--	--	--	2	63	234296
<b>ALL INDIA : LIGNITE</b>	<b>--</b>	<b>--</b>	<b>--</b>	<b>1</b>	<b>1</b>	<b>125</b>	<b>3</b>	<b>64</b>	<b>234476</b>
<b>ALL INDIA: COAL &amp; LIGNITE</b>	<b>227</b>	<b>411</b>	<b>41347</b>	<b>101</b>	<b>361</b>	<b>70794</b>	<b>196</b>	<b>889</b>	<b>345727</b>

**STATEMENT NO. 4.7 (Contd.)**

STAT/DISTRICT	LOCOMOTIVES			LOADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	11	12	13	14	15	16	17	18	19
<hr/>									
ORISSA									
Angul	--	--	--	--	--	--	3	31	4286
Sambalpur	--	--	--	--	--	--	1	44	1936
Sundergarh	--	--	--	--	--	--	--	--	--
Jharsuguda	--	--	--	1	2	216	--	--	--
TOTAL : ORISSA	--	--	--	1	2	216	4	75	6222
<hr/>									
UTTAR PRADESH									
Sonebhadra	--	--	--	--	--	--	--	--	--
WEST BENGAL									
Bankura	--	--	--	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--
Burdwan	1	1	100	--	--	--	1	4	225
Purulia	--	--	--	--	--	--	--	--	--
TOTAL : WEST BENGAL	1	1	100	--	--	--	1	4	225
<hr/>									
ALL INDIA : COAL	3	5	335	3	6	1666	24	149	20172
<hr/>									
2. LIGNITE									
GUJARAT									
Bharuch	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	--	--	--	--	--	--
<hr/>									
RAJASTHAN									
Barmer	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--
<hr/>									
TAMILNADU									
Cuddalore	--	--	--	--	--	--	--	--	--
ALL INDIA : LIGNITE	--	--	--	--	--	--	--	--	--
<hr/>									
ALL INDIA: COAL & LIGNITE	3	5	335	3	6	1666	24	149	20172

**STATEMENT NO. 4.8**  
**MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2012 -- OWNERWISE.**

OWNER	HAULAGE			DUMPERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
1	2	3	4	5	6	7	8	9	10
BCCL	23	50	5055	23	87	16813	8	35	1251
CCL	19	45	4902	6	40	9771	6	20	2433
ECL	34	47	4557	45	94	7831	22	50	5485
MCL	5	7	675	5	11	499	14	67	7181
NCL	--	--	--	--	--	--	5	75	20235
NEC	1	3	320	1	1	70	1	1	30
SECL	57	101	6581	7	37	4874	55	222	31308
WCL	42	66	5806	7	39	12291	43	108	9293
CIL	181	319	27896	94	309	52149	154	578	77216
JSMDC	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--
IISCO	1	7	270	1	4	40	2	24	960
J&K Min.	2	3	740	--	--	--	--	--	--
NLC	--	--	--	--	--	--	2	63	234296
SCCL	38	56	7081	1	3	380	32	190	30415
TISCO	1	13	1345	1	2	1300	3	30	2290
RSMDC	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	1	1	125	1	1	180
JINDAL	1	6	2400	1	18	7200	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--	--
MIL	1	2	200	--	--	--	1	2	330
CTL	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--
PCML	--	--	--	--	--	--	--	--	--
JNL	1	1	75	--	--	--	1	1	40
RASL	--	--	--	1	12	4800	--	--	--
SISCL	--	--	--	--	--	--	--	--	--
ELCALTD	1	4	1340	--	--	--	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--
SEML	--	--	--	1	12	4800	--	--	--
BLMCL	--	--	--	--	--	--	--	--	--
ALL INDIA	227	411	41347	101	361	70794	196	889	345727

**STATEMENT NO. 4.8 (Contd.)**

OWNER	LOCOMOTIVES			LOADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	11	12	13	14	15	16	17	18	19
BCCL	1	1	20	--	--	--	--	--	--
CCL	--	--	--	--	--	--	--	--	--
ECL	1	1	100	--	--	--	3	8	1635
MCL	--	--	--	1	2	216	3	31	4286
NCL	--	--	--	--	--	--	--	--	--
NEC	1	3	215	--	--	--	--	--	--
SECL	--	--	--	1	3	1200	5	33	8528
WCL	--	--	--	1	1	250	3	6	790
<b>CIL</b>	<b>3</b>	<b>5</b>	<b>335</b>	<b>3</b>	<b>6</b>	<b>1666</b>	<b>14</b>	<b>78</b>	<b>15239</b>
JSMDC	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--
IISCO	--	--	--	--	--	--	--	--	--
J&K Min.	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	--	--	--
SCCL	--	--	--	--	--	--	6	16	1261
TISCO	--	--	--	--	--	--	2	8	818
RSMDC	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	1	44	1936
MIL	--	--	--	--	--	--	1	3	918
CTL	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--
PCML	--	--	--	--	--	--	--	--	--
JNL	--	--	--	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--
SEML	--	--	--	--	--	--	--	--	--
BLMCL	--	--	--	--	--	--	--	--	--
<b>ALL INDIA</b>	<b>3</b>	<b>5</b>	<b>335</b>	<b>3</b>	<b>6</b>	<b>1666</b>	<b>24</b>	<b>149</b>	<b>20172</b>

**STATEMENT NO. 4.9**  
**VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2012.**

STATE/DISTRICT	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
<b>1. COAL</b>								
ANDHRA PRADESH								
Adilabad	27	6475	26	820	--	--	--	--
Karimnagar	29	6560	38	2215	--	--	--	--
Khammam	13	2460	3	500	2	782	--	--
Warangal	13	2650	13	540	--	--	--	--
TOTAL : ANDHRA PRADESH	82	18145	80	4075	2	782	--	--
ARUNACHAL PRADESH								
Chaglong	--	--	--	--	--	--	--	--
ASSAM								
Tinsukia	2	55	1	20	--	--	--	--
CHATTISGARH								
Bilaspur	2	301	--	--	--	--	--	--
Raigarh	5	961	--	--	--	--	--	--
Surguja	11	2068	1	20	--	--	--	--
Korea	24	4224	5	188	1	590	2	800
Korba	11	2256	2	40	2	536	--	--
TOTAL : CHATTISGARH	53	9810	8	248	3	1126	2	800
JHARKHAND								
Deoghar	--	--	--	--	--	--	--	--
Dhanbad	117	21256	79	2011	60	27234	23	2470
Giridih	--	--	--	--	--	--	--	--
Godda	--	--	--	--	--	--	--	--
Hazaribagh	26	2491	11	366	--	--	--	--
Palamau	1	30	--	--	--	--	--	--
Ranchi	1	120	--	--	--	--	--	--
Sahebganj	--	--	--	--	--	--	--	--
Bokaro	31	2317	--	--	3	375	--	--
Pakur	--	--	--	--	--	--	--	--
Chatra	2	200	--	--	--	--	--	--
Latehar	--	--	--	--	--	--	--	--
Ramgarh	--	--	--	--	--	--	--	--
TOTAL : JHARKHAND	178	26414	90	2377	63	27609	23	2470

**STATEMENT NO. 4.9(Cont.)**

STATE/DISTRICT	PUMPS						COAL		WORKSHOP MACHINERIES	
	BELOWGROUND		OPENCAST		ABOVE GROUND		HANDLING PLANTS		ELECTRICAL	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	10	11	12	13	14	15	16	17	18	19
<b>1. COAL</b>										
ANDHRA PRADESH										
Adilabad	108	12855	29	3380	103	9180	3	2285	--	--
Karimnagar	224	27781	44	6840	79	5785	4	2965	17	164
Khammam	45	8889	35	3100	50	2386	--	--	28	80
Warangal	48	4190	4	857	35	3446	--	--	--	--
TOTAL : ANDHRA PRADESH	425	53715	112	14177	267	20797	7	5250	45	244
ARUNACHAL PRADESH										
Chaglong	--	--	2	300	--	--	--	--	3	10
ASSAM										
Tinsukia	8	720	6	1752	1	20	--	--	9	38
CHATTISGARH										
Bilaspur	7	1830	--	--	3	90	1	50	5	35
Raigarh	48	2222	54	7910	14	710	1	1000	4	14
Surguja	86	8628	15	2825	43	2550	1	1200	46	311
Korea	95	7639	1	100	41	2075	3	1184	80	488
Korba	44	8139	81	24941	26	4232	5	29249	101	758
TOTAL : CHATTISGARH	280	28458	151	35776	127	9657	11	32683	236	1606
JHARKHAND										
Deoghar	--	--	3	400	3	557	--	--	4	10
Dhanbad	488	75380	83	13045	249	33600	7	3425	199	2522
Giridih	--	--	7	963	3	577	--	--	--	--
Godda	--	--	7	2200	--	--	1	2700	10	58
Hazaribagh	51	6499	347	36755	70	7918	2	23883	118	1032
Palamau	--	--	7	1105	7	770	--	--	5	11
Ranchi	5	351	16	4118	13	1846	1	411	24	281
Sahebganj	--	--	2	125	--	--	--	--	--	--
Bokaro	40	4203	43	6407	41	5471	1	410	34	182
Pakur	--	--	--	--	2	389	--	--	--	--
Chatra	2	200	6	2924	3	378	--	--	11	349
Latehar	--	--	1	254	2	65	--	--	--	--
Ramgarh	--	--	6	1396	3	400	--	--	4	26
TOTAL : JHARKHAND	586	86633	528	69692	396	51971	12	30829	409	4471

**STATEMENT NO. 4.9(Cont.)**

STATE/DISTRICT	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
JAMMU & KASHMIR								
Rajauri	3	185	--	--	--	--	--	--
Udhampur	1	30	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	4	215	--	--	--	--	--	--
MADHYA PRADESH								
Narsigpur	--	--	--	--	--	--	--	--
Betul	11	2675	--	--	--	--	--	--
Chhindwara	17	2137	3	333	--	--	--	--
Shahdol	30	4346	16	328	1	425	--	--
Sidhi	--	--	--	--	--	--	--	--
Umaria	8	1506	--	--	--	--	--	--
Anuppur	1	130	3	60	--	--	--	--
Singrauli	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	67	10794	22	721	1	425	--	--
MAHARASHTRA								
Chandrapur	21	3095	5	200	2	127	1	225
Nagpur	10	2015	5	191	--	--	--	--
Yavatmal	4	473	6	278	--	--	--	--
TOTAL : MAHARASHTRA	35	5583	16	669	2	127	1	225
ORISSA								
Angul	3	559	6	120	1	160	4	250
Sambalpur	--	--	--	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	--	--
Jharsuguda	8	2040	5	120	--	--	--	--
TOTAL : ORISSA	11	2599	11	240	1	160	4	250
UTTAR PRADESH								
Sonebhadra	--	--	--	--	--	--	--	--

**STATEMENT NO. 4.9(Cont.)**

STATE/DISTRICT	PUMPS						COAL		WORKSHOP	
	BELOWGROUND		OPENCAST		ABOVE GROUND		HANDLING PLANTS		MACHINERIES	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	10	11	12	13	14	15	16	17	18	19
JAMMU & KASHMIR										
Rajauri	5	130	--	--	2	70	--	--	--	--
Udhampur	1	20	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	6	150	--	--	2	70	--	--	--	--
MADHYA PRADESH										
Narsigpur	--	--	12	326	3	314	--	--	10	57
Betul	16	1575	--	--	4	400	1	140	42	204
Chhindwara	67	6159	19	1648	32	1570	--	--	84	423
Shahdol	167	14938	23	2125	70	4396	3	3840	109	1091
Sidhi	--	--	24	5950	5	1190	2	6332	13	76
Umaria	36	3489	3	505	8	1025	--	--	16	128
Anuppur	7	540	6	305	2	455	--	--	6	29
Singrauli	--	--	2	1100	--	--	1	402	--	--
TOTAL : MADHYA PRADESH	293	26701	89	11959	124	9350	7	10714	280	2008
MAHARASHTRA										
Chandrapur	69	11176	80	15517	82	12417	15	12030	152	588
Nagpur	67	7318	23	5995	44	7276	3	1861	67	358
Yavatmal	66	8136	37	7153	34	2517	4	4008	49	208
TOTAL : MAHARASHTRA	202	26630	140	28665	160	22210	22	17899	268	1154
ORISSA										
Angul	28	4230	55	7537	38	4016	3	5008	35	181
Sambalpur	--	--	--	--	--	--	--	--	--	--
Sundergarh	--	--	8	2200	3	720	--	--	--	--
Jharsuguda	26	4151	21	6207	17	2210	3	1512	36	260
TOTAL : ORISSA	54	8381	84	15944	58	6946	6	6520	71	441
UTTAR PRADESH										
Sonebhadra	--	--	46	17598	10	1181	2	8573	45	1258

**STATEMENT NO. 4.9(Cont.)**

STATE/DISTRICT	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
WEST BENGAL								
Bankura	5	255	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--
Burdwan	120	18406	8	450	40	8299	109	13905
Purulia	2	220	--	--	--	--	--	--
TOTAL : WEST BENGAL	127	18881	8	450	40	8299	109	13905
ALL INDIA : COAL	559	92496	236	8800	112	38528	139	17650
2. LIGNITE								
GUJARAT								
Bharuch	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	--	--	--	--	--
RAJASTHAN								
Barmer	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--
TAMILNADU								
Cuddalore	--	--	--	--	--	--	--	--
ALL INDIA : LIGNITE	--	--	--	--	--	--	--	--
ALL INDIA: COAL & LIGNITE	559	92496	236	8800	112	38528	139	17650

**STATEMENT NO. 4.9(Cont.)**

STATE/DISTRICT	PUMPS						COAL		WORKSHOP	
	BELOWGROUND		OPENCAST		ABOVE GROUND		HANDLING		MACHINERIES	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	PLANTS	ELECTRICAL	NO.	H.P.
1	10	11	12	13	14	15	16	17	18	19
WEST BENGAL										
Bankura	5	497	2	530	5	143	--	--	2	8
Birbhum	2	113	2	530	1	20	--	--	--	--
Burdwan	473	52796	73	9282	173	10274	7	3840	192	1385
Purulia	9	880	--	--	3	120	1	63	7	43
TOTAL : WEST BENGAL	489	54286	77	10342	182	10557	8	3903	201	1436
ALL INDIA : COAL	2343	285674	1235	206205	1327	132759	75	116371	1567	12666
2. LIGNITE										
GUJARAT										
Bharuch	--	--	8	625	3	215	--	--	8	26
Bhavanagar	--	--	3	210	1	20	1	180	5	13
Kutch	--	--	6	340	1	40	--	--	20	145
Surat	--	--	15	2050	6	213	1	3060	--	--
TOTAL : GUJARAT	--	--	32	3225	11	488	2	3240	33	184
RAJASTHAN										
Barmer	--	--	4	628	5	200	--	--	19	25
Bikaner	--	--	2	150	9	479	--	--	--	--
Nagaur	--	--	10	1000	5	500	--	--	2	4
TOTAL : RAJASTHAN	--	--	16	1778	19	1179	--	--	21	29
TAMILNADU										
Cuddalore	--	--	138	88399	55	9849	--	--	6	63
ALL INDIA : LIGNITE	--	--	186	93402	85	11516	2	3240	60	276
ALL INDIA: COAL & LIGNITE	2343	285674	1421	299607	1412	144275	77	119611	1627	12942

STATEMENT NO. 4.10

VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2012 OWNER-WISE.

OWNER	VENTILATOR					WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM		
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	
1	2	3	4	5	6	7	8	9	
BCCL	96	15912	18	536	51	21655	26	3280	
CCL	43	4088	11	366	1	100	--	--	
ECL	134	19528	10	570	37	7789	106	13095	
MCL	11	2599	11	240	1	160	4	250	
NCL	--	--	--	--	--	--	--	--	
NEC	2	55	1	20	--	--	--	--	
SECL	89	15021	27	636	4	1551	2	800	
WCL	62	10335	15	922	2	127	1	225	
CIL	437	67538	93	3290	96	31382	139	17650	
JSMDC	--	--	--	--	--	--	--	--	
DVC	--	--	--	--	--	--	--	--	
GMDC	--	--	--	--	--	--	--	--	
IISCO	7	2710	--	--	9	3830	--	--	
J&K Min.	4	215	--	--	--	--	--	--	
NLC	--	--	--	--	--	--	--	--	
SCCL	82	18145	80	4075	2	782	--	--	
TISCO	9	2097	59	1355	4	2359	--	--	
PIL	--	--	--	--	--	--	--	--	
GIPCL	--	--	--	--	--	--	--	--	
GHCL	--	--	--	--	--	--	--	--	
JINDAL	--	--	--	--	--	--	--	--	
BENGALEMATA	--	--	--	--	--	--	--	--	
APMDTC	--	--	--	--	--	--	--	--	
BLAI	--	--	--	--	--	--	--	--	
ICML	--	--	--	--	--	--	--	--	
INDAL	--	--	--	--	--	--	--	--	
MIL	2	670	--	--	--	--	--	--	
RSMML	--	--	--	--	--	--	--	--	
PCML	--	--	--	--	--	--	--	--	
JNL	1	101	--	--	--	--	--	--	
RASL	--	--	--	--	--	--	--	--	
SISCL	1	60	4	80	--	--	--	--	
ELCALTD	16	960	--	--	1	175	--	--	
VSLPPL	--	--	--	--	--	--	--	--	
UML	--	--	--	--	--	--	--	--	
DVC EMTA	--	--	--	--	--	--	--	--	
SEML	--	--	--	--	--	--	--	--	
BLMCL	--	--	--	--	--	--	--	--	
ALL INDIA	559	92496	236	8800	112	38528	139	17650	

**STATEMENT NO. 4.10 (Cont.)**

OWNER	PUMPS						COAL HANDLING PLANTS		WORKSHOP MACHINERIES ELECTRICAL	
	BELOWGROUND		OPENCAST		ABOVE GROUND					
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	10	11	12	13	14	15	16	17	18	19
BCCL	314	41279	70	12055	191	27254	8	3835	187	2470
CCL	84	9825	123	25410	127	14701	2	1111	176	1694
ECL	510	56327	76	8413	213	13215	9	6603	202	1438
MCL	54	8381	84	15944	58	6946	6	6520	71	441
NCL	--	--	72	24648	15	2371	5	15307	58	1334
NEC	8	720	6	1752	1	20	--	--	9	38
SECL	447	45597	134	32157	191	14188	13	35523	365	2846
WCL	283	34139	138	26516	183	24015	23	18039	394	1781
CIL	1700	196268	703	146895	979	102710	66	86938	1462	12042
JSMDC	--	--	1	254	2	65	--	--	--	--
DVC	--	--	5	305	--	--	--	--	--	--
GMDC	--	--	19	1265	6	278	--	--	33	184
IISCO	27	5361	15	1944	10	405	--	--	13	74
J&K Min.	6	150	--	--	2	70	--	--	--	--
NLC	--	--	138	88399	63	10298	--	--	6	63
SCCL	425	53715	112	14177	267	20797	7	5250	45	244
TISCO	134	27647	301	27439	22	5718	1	23183	20	187
PIL	--	--	4	400	3	450	--	--	--	--
GIPCL	--	--	12	1900	4	190	1	3060	--	--
GHCL	--	--	1	60	1	20	1	180	--	--
JINDAL	--	--	24	4800	2	40	1	1000	--	--
BENGALEMTA	--	--	7	2608	2	40	--	--	--	--
APMDTC	--	--	2	300	--	--	--	--	3	10
BLAI	--	--	12	326	3	314	--	--	10	57
ICML	--	--	4	1062	2	28	--	--	12	44
INDAL	--	--	--	--	--	--	--	--	--	--
MIL	37	1553	--	--	4	145	--	--	2	8
RSMML	--	--	10	1000	5	500	--	--	2	4
PCML	--	--	--	--	2	389	--	--	--	--
JNL	6	275	3	150	5	85	--	--	--	--
RASL	--	--	15	2030	7	290	--	--	--	--
SISCL	2	225	--	--	2	15	--	--	--	--
ELCALTD	6	480	--	--	5	460	--	--	--	--
VSLPPL	--	--	2	150	1	30	--	--	--	--
UML	--	--	1	14	1	160	--	--	--	--
DVC EMTA	--	--	11	2376	5	123	--	--	--	--
SEML	--	--	15	1125	2	455	--	--	--	--
BLMCL	--	--	4	628	5	200	--	--	19	25
ALL INDIA	2343	285674	1421	299607	1412	144275	77	119611	1627	12942

**SECTION – V**

**ACCIDENT**

## STATEMENT NO. 5.0

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

<b>Code</b>	<b>Cause of Accident</b>	<b>Code</b>	<b>Cause of Accident</b>
	<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

**Statement 5.0 (continued)**

<b>Code</b>	<b>Place of Accident</b>	<b>Code</b>	<b>Place of Accident</b>
<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. 5.1

### Trend in number of accidents in coal mines, resultant casualties/seriously injured persons and their rates

Year	Fatal Accidents			Serious Accidents		Rates per thousand Persons Employed		Rates per lakh Manshifts worked		Rates per million Tonnes of Coal raised	
	Number of Accidents	Number of Persons		Number of Accidents	Number of Persons Seriously Injured	Death	Serious Injury	Death	Serious Injury	Death	Serious Injury
		Killed	Seriously Injured			Death	Serious Injury				
1	2	3	4	5	6	7	8	9	10	11	12
1990	151	166	23	893	960	0.30	1.79	0.10	0.58	0.78	4.62
1991	138	143	33	803	821	0.26	1.54	0.08	0.50	0.60	3.59
1992	165	183	60	810	834	0.33	1.62	0.11	0.53	0.73	3.58
1993	156	176	22	854	881	0.32	1.65	0.10	0.53	0.68	3.46
1994	156	241	40	717	735	0.46	1.48	0.15	0.47	0.90	2.90
1995	137	219	23	757	790	0.43	1.58	0.14	0.51	0.77	2.86
1996	131	146	20	677	703	0.29	1.43	0.09	0.45	0.48	2.38
1997	143	165	22	678	704	0.33	1.44	0.10	0.46	0.52	2.29
1998	128	146	18	523	542	0.30	1.14	0.10	0.37	0.46	1.75
1999	127	138	21	595	629	0.29	1.37	0.09	0.44	0.44	2.06
2000	117	144	28	661	679	0.31	1.54	0.10	0.49	0.43	2.11
2001	105	141	14	667	706	0.32	1.64	0.10	0.53	0.41	2.10
2002	81	97	15	629	650	0.23	1.57	0.07	0.50	0.27	1.83
2003	83	113	12	563	578	0.27	1.42	0.09	0.45	0.30	1.56
2004	87	96	14	962	977	0.24	2.45	0.07	0.77	0.23	2.42
2005	96	117	19	1106	1119	0.29	2.85	0.09	0.91	0.28	2.70
2006	78	137	15	861	876	0.36	2.31	0.11	0.73	0.32	2.07
2007	76	78	11	923	940	0.21	2.51	0.06	0.78	0.16	1.98
2008	80	93	16	686	693	0.25	1.92	0.08	0.59	0.18	1.40
2009	83	93	14	636	646	0.25	1.76	0.08	0.55	0.17	1.18
2010	97	118	23	480	488	0.32	1.38	0.10	0.43	0.20	0.85
2011	65	67	10	533	546	0.18	1.52	0.06	0.47	0.11	0.92
2012	79	83	6	536	542	0.23	1.53	0.07	0.47	0.13	0.89

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

**STATEMENT NO. 5.2**  
**Trend in accident rates and placewise casualty rates in coal mines**

Year	Fatal accident rate per 1000 persons employed	Death rate per 1000 persons employed				Serious accident rate per 1000 persons employed	S/Injury rate per 1000 persons employed			
		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
1988	0.29	0.36	0.45	0.20	0.32	1.40	1.97	0.58	0.99	1.51
1989	0.29	0.39	0.42	0.17	0.32	1.64	2.21	1.11	1.04	1.73
1990	0.27	0.33	0.42	0.20	0.30	1.63	2.38	1.16	0.96	1.79
1991	0.25	0.26	0.39	0.20	0.26	1.45	1.96	1.00	0.98	1.54
1992	0.30	0.39	0.52	0.16	0.33	1.46	2.14	0.79	1.01	1.62
1993	0.29	0.39	0.37	0.19	0.32	1.56	2.19	0.83	1.01	1.65
1994	0.30	0.59	0.64	0.15	0.46	1.37	2.08	0.86	0.67	1.48
1995	0.27	0.60	0.38	0.13	0.43	1.47	2.07	1.05	0.93	1.58
1996	0.26	0.31	0.42	0.19	0.29	1.34	1.83	1.10	0.86	1.43
1997	0.28	0.41	0.42	0.14	0.33	1.35	1.71	1.25	1.05	1.44
1998	0.26	0.36	0.35	0.16	0.30	1.06	1.41	1.06	0.70	1.14
1999	0.27	0.33	0.43	0.16	0.29	1.25	1.73	1.19	0.81	1.37
2000	0.26	0.30	0.74	0.13	0.31	1.44	1.92	1.67	0.82	1.54
2001	0.24	0.43	0.38	0.10	0.32	1.52	2.10	1.12	1.07	1.64
2002	0.19	0.27	0.32	0.11	0.23	1.49	2.07	1.43	0.80	1.57
2003	0.20	0.33	0.35	0.13	0.27	1.35	1.85	1.30	0.77	1.42
2004	0.21	0.27	0.47	0.05	0.24	2.37	3.69	1.24	1.02	2.45
2005	0.20	0.34	0.42	0.15	0.29	2.27	4.23	1.45	1.37	2.85
2006	0.20	0.52	0.33	0.09	0.36	2.23	3.40	1.30	1.11	2.31
2007	0.20	0.13	0.46	0.14	0.21	2.43	3.91	1.10	1.15	2.51
2008	0.22	0.21	0.45	0.18	0.25	1.86	2.87	0.98	0.92	1.92
2009	0.22	0.25	0.40	0.14	0.25	1.70	2.72	0.67	0.93	1.76
2010	0.26	0.33	0.51	0.15	0.32	1.30	2.03	0.83	0.68	1.38
2011	0.17	0.13	0.35	0.13	0.18	1.25	2.23	0.91	0.79	1.52
2012	0.22	0.16	0.43	0.17	0.23	1.49	2.22	0.74	1.03	1.53

## STATEMENT NO. 5.3

### Causewise Trend of Fatal Accidents in Coal Mines

Cause / Year	2007	2008	2009	2010	2011	2012
<b>1. GROUND MOVEMENT</b>						
Fall of Roof	13 (13)	14 (17)	17 (21)	15 (18)	11 (12)	5 (6)
Fall of Side	4 (4)	6 (6)	8 (9)	6 (7)	2 (2)	6 (6)
Other Ground Movement	--	1 (5)	1 (2)	1 (1)	2 (2)	--
<b>2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)</b>	--	1 (1)	--	--	1 (1)	--
<b>3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)</b>						
Rope Haulage	4 (4)	4 (4)	5 (5)	3 (4)	3 (3)	2 (2)
Wheeled Trackless Transp.	24 (26)	22 (23)	22 (22)	34 (36)	23 (24)	27 (27)
Other Transp. Machinery	1 (1)	2 (2)	4 (4)	4 (4)	2 (2)	3 (3)
<b>4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY</b>	12 (12)	10 (10)	15 (15)	7 (7)	6 (6)	14 (14)
<b>5. EXPLOSIVES</b>	1 (1)	1 (1)	--	2 (16)	1 (1)	3 (3)
<b>6. ELECTRICITY</b>	4 (4)	5 (6)	2 (2)	8 (8)	5 (5)	3 (3)
<b>7. GAS, DUST &amp; OTHER COMBUSTIBLE MATERIAL</b>	2 (2)	2 (6)	2 (4)	1 (1)	--	3 (5)
<b>8. FALL (OTHER THAN FALLS OF GROUND)</b>						
Fall of Persons	3 (3)	6 (6)	2 (2)	6 (6)	1 (1)	8 (8)
Fall of Objects	4 (4)	4 (4)	2 (2)	4 (4)	4 (4)	1 (1)
Other Falls	2 (2)	--	--	--	--	--
<b>9. OTHER CAUSES</b>						
Irruption of Water	--	--	--	--	--	2 (2)
Flying Pieces	1 (1)	--	--	--	--	--
Miscellaneous	1 (1)	2 (2)	3 (5)	6 (6)	4 (4)	2 (3)
<b>T O T A L</b>	76 (78)	80 (93)	83 (93)	97 (118)	65 (67)	79 (83)
<b>B E L O W   G R O U N D</b> :	25 (25)	32 (39)	39 (46)	41 (60)	23 (24)	25 (28)
<b>O P E N C A S T</b> :	35 (37)	29 (35)	29 (32)	40 (42)	29 (30)	37 (38)
<b>A B O V E   G R O U N D</b> :	16 (16)	19 (19)	15 (15)	16 (16)	13 (13)	17 (17)

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

## STATEMENT NO. 5.4

### Causewise Trend of Serious Accidents in Coal Mines

Cause / Year	2007	2008	2009	2010	2011	2012
<b>1. GROUND MOVEMENT</b>						
Fall of Roof	32 (38)	30 (33)	28 (36)	17 (24)	16 (24)	21 (24)
Fall of Side	38 (40)	39 (40)	29 (32)	36 (37)	23 (25)	20 (22)
Other Ground Movement	--	--	--	0 (1)	0 (1)	1 (1)
<b>2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)</b>	2 (11)	--	3 (4)	--	14 (19)	4 (5)
<b>3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)</b>						
Rope Haulage	131 (131)	90 (90)	72 (73)	37 (44)	54 (54)	48 (49)
Wheeled Trackless Transp.	32 (36)	20 (22)	24 (28)	22 (27)	24 (27)	20 (21)
Other Transp. Machinery	35 (35)	16 (16)	7 (7)	13 (13)	11 (12)	8 (8)
<b>4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY</b>	79 (81)	40 (42)	36 (37)	24 (24)	33 (34)	23 (23)
<b>5. EXPLOSIVES</b>	4 (4)	1 (1)	3 (5)	5 (11)	3 (4)	0 (1)
<b>6. ELECTRICITY</b>	3 (6)	--	2 (2)	3 (3)	1 (1)	3 (3)
<b>7. GAS, DUST &amp; OTHER COMBUSTIBLE MATERIAL</b>	1 (1)	0 (14)	1 (2)	--	--	1 (3)
<b>8. FALL (OTHER THAN FALLS OF GROUND)</b>						
Fall of Persons	268 (268)	202 (203)	194 (196)	133 (133)	167 (168)	168 (168)
Fall of Objects	185 (186)	146 (146)	108 (109)	84 (86)	74 (74)	87 (87)
Other Falls	3 (4)	3 (3)	7 (7)	4 (4)	6 (6)	9 (9)
<b>9. OTHER CAUSES</b>						
Irruption of Water	--	--	1 (1)	--	--	--
Flying Pieces	1 (1)	1 (1)	--	--	1 (1)	--
Miscellaneous	109 (109)	98 (98)	121 (121)	102 (104)	106 (106)	123 (124)
<b>T O T A L</b>	923 (951)	686 (709)	636 (660)	480 (511)	533 (556)	536 (548)
<b>B E L O W G R O U N D :</b>	717 (735)	516 (536)	490 (506)	348 (370)	379 (397)	374 (382)
<b>O P E N C A S T :</b>	83 (88)	74 (76)	50 (54)	62 (69)	73 (78)	61 (65)
<b>A B O V E G R O U N D :</b>	123 (128)	96 (97)	96 (100)	70 (72)	81 (81)	101 (101)

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

## STATEMENT NO. 5.5

### Causewise trend in dangerous occurrences in coal mines

Sl.	Cause	2006	2007	2008	2009	2010	2011	2012
1	Overwinding of cages, skip or bucket	--	--	--	5	2	1	3
2	Spontaneous heating of coal in underground	1	2	5	--	5	6	6
3	Spontaneous heating of coal on surface	1	3	--	--	--	--	2
4	Spontaneous heating of coal in opencast	--	--	1	3	--	--	1
5	Outbreak of fire underground from spontaneous heating	--	--	--	--	1	--	--
6	Outbreak of fire underground from causes other than spontaneous heating	--	1	--	2	--	--	1
7	Outbreak of fire in quarry from causes other than spontaneous heating	--	--	--	--	--	--	--
8	Outbreak of fire on surface from causes other than spontaneous heating	1	--	--	--	1	--	1
9	Premature collapse of workings or failure of pillars	1	2	--	2	2	--	--
10	Influx of noxious gases	2	2	--	3	2	3	--
11	Breakage of winding rope	--	--	1	1	1	--	--
12	Breakdown of winding engine, crank shaft, bearing etc.	2	--	1	--	--	1	4
13	Ignition or occurrence of inflammable gas	1	1	--	--	--	--	--
14	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons was endangered	3	4	3	--	--	1	--
15	Irruption of water	1	--	3	--	1	1	2
16	Subsidence	--	1	1	--	--	--	--
17	Explosives	3	3	2	--	--	--	--
18	Others	7	5	7	12	10	10	9
<b>Total</b>		<b>23</b>	<b>24</b>	<b>24</b>	<b>28</b>	<b>25</b>	<b>23</b>	<b>29</b>

**STATEMENT NO. 5.6a**  
**Number of accidents and placewise casualties/seriously injured persons in  
 coal mines by state and district during the year 2012**

Sl. No.	Mineral/State/ District	Number of Accidents		No. of Persons Killed						No. of Persons Seriously Injured																	
				Below Ground			Opencast			Above Ground			Total			Below Ground			Opencast			Above Ground			Total		
		Fatal	Serious	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F	M	M	F			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	11	12	13	14	15	16	11	12	13			
1.	COAL																										
	ANDHRA PRADESH																										
	Adilabad	4	130		3	0	0	2	0	5	105	3	0	23	0	131											
	Karimnagar	6	107		1	4	0	1	0	6	88	10	0	9	1	108											
	Khammam	2	40		0	2	0	0	0	2	18	6	0	16	0	40											
	Warangal	1	41		1	0	0	0	0	1	39	1	0	1	0	41											
	TOTAL : ANDHRA PRADESH	13	318		5	6	0	3	0	14	250	20	0	49	1	320											
	ASSAM																										
	Tinsukia	1	0		0	0	0	1	0	1	0	0	0	0	0	0											
	TOTAL : ASSAM	1	0		0	0	0	0	1	0	1	0	0	0	0	0											
	CHHATTISGARH																										
	Bilaspur	0	1		0	0	0	0	0	0	1	0	0	0	0	1											
	Raigarh	0	2		0	0	0	0	0	0	2	0	0	0	0	2											
	Surjua	4	9		3	1	0	1	0	5	5	3	0	1	0	9											
	Korea	2	3		2	0	0	0	0	2	2	0	0	1	1	4											
	Korba	3	7		0	2	0	1	0	3	5	0	0	2	0	7											
	TOTAL : CHHATTISGARH	9	22		5	3	0	2	0	10	15	3	0	4	1	23											
	JHARKHAND																										
	Deoghar	1	2		0	1	0	0	0	1	0	1	0	1	0	2											
	Dhanbad	11	36		3	6	0	2	0	11	23	7	0	8	0	38											
	Godda	1	0		0	1	0	0	0	1	0	0	0	0	0	0											
	Hazaribagh	0	5		0	0	0	0	0	0	3	0	0	2	0	5											
	Ranchi	1	2		0	1	0	0	0	1	1	0	0	1	0	2											
	Bokaro	7	3		3	2	0	3	0	8	2	2	0	0	0	4											
	Chatra	1	0		0	1	0	0	0	1	0	0	0	0	0	0											
	TOTAL : JHARKHAND	22	48		6	12	0	5	0	23	29	10	0	12	0	51											

**Statement 5.6a (Continued...)**

Sl. No.	Mineral/State/ District	Number of Accidents		No. of Persons Killed						No. of Persons Seriously Injured					
				Below Ground			Above Ground			Total			Below Ground		
		Fatal	Serious	M	M	F	M	F	Total	M	M	F	M	F	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>MADHYA PRADESH</b>															
	Betul	2	1	2	0	0	0	0	2	1	0	0	0	0	1
	Chhindwara	1	10	1	0	0	0	0	1	8	0	0	2	0	10
	Shahdol	1	9	1	0	0	0	0	1	3	3	0	3	0	9
	Umaria	0	3	0	0	0	0	0	0	3	0	0	0	0	3
	Anuppur	1	2	0	1	0	0	0	1	1	1	0	0	0	2
	Singrauli	5	7	0	2	0	3	0	5	0	7	0	0	0	7
<b>TOTAL : MADHYA PRADESH</b>		10	32	4	3	0	3	0	10	16	11	0	5	0	32
<b>MAHARASHTRA</b>															
	Chandrapur	4	4	0	5	0	0	0	5	1	5	0	0	0	6
	Nagpur	0	6	0	0	0	0	0	0	4	0	0	2	0	6
	Yavatmal	2	10	1	1	0	0	0	2	1	4	0	5	0	10
<b>TOTAL : MAHARASHTRA</b>		6	20	1	6	0	0	0	7	6	9	0	7	0	22
<b>ORISSA</b>															
	Angul	2	3	0	1	0	1	0	2	1	1	0	1	0	3
	Jharsuguda	0	6	0	0	0	0	0	0	4	1	0	1	0	6
<b>TOTAL : ORISSA</b>		2	9	0	1	0	1	0	2	5	2	0	2	0	9
<b>UTTAR PRADESH</b>															
	Sonebhadra	2	0	0	2	0	0	0	2	0	0	0	0	0	0
<b>TOTAL : UTTAR PRADESH</b>		2	0	0	2	0	0	0	2	0	0	0	0	0	0
<b>WEST BENGAL</b>															
	Bankura	1	3	0	1	0	0	0	1	2	0	0	1	0	3
	Burdwan	9	79	7	2	0	0	0	9	59	7	0	17	0	83
<b>TOTAL : WEST BENGAL</b>		10	82	7	3	0	0	0	10	61	7	0	18	0	86
<b>ALL INDIA : COAL</b>															
		75	531	28	36	0	15	0	79	382	62	0	97	2	543

**Statement 5.6a (Continued...)**

Sl. No.	Mineral/State/ District	Number of Accidents			No. of Persons Killed					No. of Persons Seriously Injured										
		Fatal		Serious	Below Ground		Opencast		Above Ground		Total		Below Ground		Opencast		Above Ground		Total	
		M	F	M	M	F	M	F	M	F	M	F	M	F	M	F	M	F		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16					
2.	LIGNITE																			
	RAJASTHAN																			
	Barmer	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0			
	TOTAL : RAJASTHAN	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0			
	TAMIL NADU																			
	Cuddalore	3	5	0	2	0	1	0	3	0	3	0	2	0	5					
	TOTAL : TAMIL NADU	3	5	0	2	0	1	0	3	0	3	0	2	0	5					
	ALL INDIA : LIGNITE	4	5	0	2	0	2	0	4	0	3	0	2	0	5					
	ALL INDIA : ALL COAL	79	536	28	38	0	17	0	83	382	65	0	99	2	548					

Note 1 : M:Male, F:Female

Note 2 : Fatal as well as serious accidents are considered in computing the figures of number of persons seriously injured in this statement.

## STATEMENT NO. 5.6b

### Casualty/serious injury rates in coal mines by state and district during the year 2012

Sl. No.	Mineral/State/ District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed				Rate per Lakh Manshift		Rate per Million Tonnes	
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall	Death	S/Inj.	Death	S/Inj.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>1. COAL</b>													
	ANDHRA PRADESH												
	Adilabad	0.19	...	1.49	0.26	6.54	1.49	17.15	6.75	0.09	2.26	0.40	10.59
	Karimnagar	0.06	0.78	0.27	0.23	5.25	1.95	2.67	4.21	0.08	1.35	0.20	3.61
	Khammam	...	0.50	...	0.19	6.36	1.51	4.53	3.87	0.06	1.24	0.07	1.37
	Warangal	0.21	...	...	0.18	8.18	1.97	2.31	7.18	0.06	2.34	0.59	24.15
	<b>TOTAL : ANDHRA PRADESH</b>	<b>0.12</b>	<b>0.52</b>	<b>0.33</b>	<b>0.23</b>	<b>6.18</b>	<b>1.72</b>	<b>5.53</b>	<b>5.24</b>	<b>0.07</b>	<b>1.70</b>	<b>0.19</b>	<b>4.38</b>
	ASSAM												
	Tinsukia	...	...	1.76	0.51	...	...	...	...	0.16	...	1.47	...
	<b>TOTAL : ASSAM</b>	<b>...</b>	<b>...</b>	<b>1.76</b>	<b>0.51</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>...</b>	<b>0.16</b>	<b>...</b>	<b>1.47</b>	<b>...</b>
	CHHATTISGARH												
	Bilaspur	...	...	...	...	2.14	...	...	1.75	...	0.49	...	6.49
	Raigarh	...	...	...	...	0.80	...	...	0.37	...	0.11	...	0.07
	Surguja	0.63	0.76	0.75	0.67	1.05	2.29	0.75	1.21	0.19	0.34	1.07	1.93
	Korea	0.27	...	...	0.21	0.27	...	1.09	0.43	0.06	0.12	0.48	0.96
	Korba	...	0.65	0.22	0.27	1.34	...	0.45	0.62	0.08	0.18	0.03	0.08
	<b>TOTAL : CHHATTISGARH</b>	<b>0.26</b>	<b>0.46</b>	<b>0.23</b>	<b>0.29</b>	<b>0.79</b>	<b>0.46</b>	<b>0.58</b>	<b>0.68</b>	<b>0.08</b>	<b>0.19</b>	<b>0.08</b>	<b>0.19</b>
	JHARKHAND												
	Deoghar	...	1.77	...	0.79	...	1.77	1.42	1.58	0.22	0.44	0.69	1.39
	Dhanbad	0.10	0.64	0.15	0.21	0.78	0.75	0.59	0.72	0.07	0.23	0.31	1.06
	Godda	...	1.18	...	0.53	...	...	...	...	0.14	...	0.07	...
	Hazaribagh	...	...	...	...	0.70	...	0.38	0.34	...	0.11	...	0.26
	Ranchi	...	0.80	...	0.33	3.82	...	0.67	0.67	0.09	0.19	0.19	0.39
	Bokaro	0.90	0.40	1.02	0.71	0.60	0.40	...	0.36	0.23	0.11	0.63	0.32
	Chatra	...	1.10	...	0.45	...	...	...	...	0.14	...	0.05	...
	<b>TOTAL : JHARKHAND</b>	<b>0.16</b>	<b>0.48</b>	<b>0.18</b>	<b>0.26</b>	<b>0.77</b>	<b>0.40</b>	<b>0.44</b>	<b>0.57</b>	<b>0.08</b>	<b>0.18</b>	<b>0.20</b>	<b>0.43</b>
	MADHYA PRADESH												
	Betul	0.50	...	...	0.42	0.25	...	...	0.21	0.13	0.06	0.62	0.31
	Chhindwara	0.21	...	...	0.15	1.67	...	1.39	1.52	0.05	0.47	0.26	2.62
	Shahdol	0.09	...	...	0.06	0.26	5.80	0.58	0.52	0.02	0.15	0.08	0.76
	Umaria	...	...	...	...	0.62	...	...	0.49	...	0.14	...	1.43
	Anuppur	...	4.18	...	0.91	1.53	4.18	...	1.82	0.25	0.50	0.74	1.48
	Singrauli	...	5.90	13.70	8.96	...	20.65	...	12.54	2.91	4.08	1.06	1.49
	<b>TOTAL : MADHYA PRADESH</b>	<b>0.15</b>	<b>0.31</b>	<b>0.24</b>	<b>0.21</b>	<b>0.62</b>	<b>1.14</b>	<b>0.40</b>	<b>0.66</b>	<b>0.06</b>	<b>0.20</b>	<b>0.20</b>	<b>0.64</b>

**Statement 5.6b (Continued...)**

Sl. No.	Mineral/State/ District	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed				Rate per Lakh Manshift		Rate per Million Tonnes	
		B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall	Death S/Inj.	Death S/Inj.		
1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>MAHARASHTRA</b>													
	Chandrapur	...	1.34	...	0.32	0.20	1.34	...	0.38	0.10	0.12	0.24	0.29
	Nagpur	...	...	...	...	1.03	...	0.97	0.88	...	0.26	...	0.90
	Yavatmal	1.51	0.41	...	0.42	1.51	1.66	2.98	2.11	0.13	0.63	0.16	0.79
<b>TOTAL : MAHARASHTRA</b>		0.10	0.85	...	0.26	0.63	1.28	0.66	0.81	0.08	0.24	0.17	0.55
<b>ORISSA</b>													
	Angul	...	0.20	0.24	0.18	0.59	0.20	0.24	0.28	0.05	0.08	0.03	0.05
	Jharsuguda	...	...	...	...	1.39	0.39	0.48	0.80	...	0.24	...	0.17
<b>TOTAL : ORISSA</b>		...	0.11	0.15	0.10	1.10	0.22	0.30	0.45	0.03	0.13	0.02	0.08
<b>UTTAR PRADESH</b>													
	Sonebhadra	...	0.38	...	0.23	...	...	...	...	0.07	...	0.07	...
<b>TOTAL : UTTAR PRADESH</b>		...	0.38	...	0.23	...	...	...	...	0.07	...	0.07	...
<b>WEST BENGAL</b>													
	Bankura	...	3.70	...	1.14	4.96	...	4.83	3.41	0.38	1.13	0.53	1.60
	Burdwan	0.21	0.59	...	0.18	1.81	2.06	1.16	1.64	0.06	0.53	0.37	3.44
<b>TOTAL : WEST BENGAL</b>		0.21	0.79	...	0.19	1.79	1.84	1.17	1.62	0.06	0.52	0.38	3.26
<b>ALL INDIA : COAL</b>		0.16	0.46	0.16	0.23	2.22	0.79	1.05	1.57	0.07	0.49	0.14	0.95
<b>2. LIGNITE</b>													
<b>RAJASTHAN</b>													
	Barmer	...	...	2.11	0.96	...	...	...	...	0.27	...	0.22	...
<b>TOTAL : RAJASTHAN</b>		...	...	1.68	0.61	...	...	...	...	0.17	...	0.16	...
<b>TAMIL NADU</b>													
	Cuddalore	...	0.31	0.39	0.33	...	0.46	0.77	0.55	0.11	0.18	0.12	0.20
<b>TOTAL : TAMIL NADU</b>		...	0.31	0.39	0.33	...	0.46	0.77	0.55	0.11	0.18	0.12	0.20
<b>ALL INDIA : LIGNITE</b>		...	0.21	0.52	0.30	...	0.32	0.52	0.38	0.10	0.12	0.09	0.11
<b>ALL INDIA : ALL COAL</b>		0.16	0.43	0.17	0.23	2.22	0.74	1.03	1.53	0.07	0.47	0.13	0.89

## STATEMENT NO. 5.7a

**Number of accidents and placewise casualties/seriously injured persons in coal mines for different companies in 2012**

Company	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
			Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground		Total
	Fatal	Serious	Male	Male	Female	Male	Female	Male		Male	Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
BCCL	12	31	3	6	0	3	0	12	19	7	0	7	0	33		
CCL	5	9	2	3	0	1	0	6	4	2	0	3	0	9		
ECL	11	87	7	4	0	0	0	11	63	8	0	20	0	91		
MCL	2	9	0	1	0	1	0	2	5	2	0	2	0	9		
NCL	7	7	0	4	0	3	0	7	0	7	0	0	0	7		
NEC	1	0	0	0	0	1	0	1	0	0	0	0	0	0		
SECL	10	33	6	3	0	2	0	11	20	6	0	7	1	34		
WCL	9	31	4	6	0	0	0	10	15	9	0	9	0	33		
TOTAL : C. I. L.	57	207	22	27	0	11	0	60	126	41	0	48	1	216		
NLC	3	5	0	2	0	1	0	3	0	3	0	2	0	5		
SCCL	13	318	5	6	0	3	0	14	250	20	0	49	1	320		
TISCO	0	2	0	0	0	0	0	0	2	0	0	0	0	2		
MIL	0	1	0	0	0	0	0	0	1	0	0	0	0	1		
JNL	0	1	0	0	0	0	0	0	1	0	0	0	0	1		
SEML	1	1	0	1	0	0	0	1	0	1	0	0	0	1		
ELCALTD	3	1	1	1	0	1	0	3	2	0	0	0	0	2		
WBMDTC	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
BLMCL	1	0	0	0	0	1	0	1	0	0	0	0	0	0		
TOTAL : NON-C. I. L.	22	329	6	11	0	6	0	23	256	24	0	51	1	332		
TOTAL : ALL INDIA	79	536	28	38	0	17	0	83	382	65	0	99	2	548		

**STATEMENT NO. 5.7b**  
**Casualty/serious injury rates in coal mines for different companies in 2012**

Company	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed				Rate per Lakh Manshift		Rate per Million Tonnes of Coal	
	B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall	Death	S/Inj.	Death	S/Inj.
1	2	3	4	5	6	7	8	9	10	11	12	13
BCCL	0.14	0.69	0.25	0.28	0.82	0.57	0.34	0.64	0.09	0.20	0.37	0.82
CCL	0.27	0.25	0.09	0.20	0.54	0.17	0.28	0.30	0.06	0.09	0.12	0.19
ECL	0.19	0.99	...	0.19	1.73	1.98	1.13	1.56	0.06	0.50	0.32	2.68
MCL	...	0.11	0.15	0.10	1.10	0.23	0.31	0.45	0.03	0.13	0.02	0.08
NCL	...	0.29	0.43	0.34	...	0.51	...	0.34	0.11	0.11	0.12	0.12
NEC	...	...	1.76	0.51	...	...	...	...	0.16	...	1.47	...
SECL	0.18	0.53	0.14	0.20	0.59	1.07	0.56	0.63	0.06	0.18	0.09	0.29
WCL	0.22	0.91	...	0.27	0.83	1.36	0.71	0.89	0.08	0.27	0.24	0.78
TOTAL : C. I. L.	0.18	0.45	0.14	0.23	1.02	0.65	0.57	0.80	0.07	0.24	0.14	0.48
NLC	...	0.30	0.39	0.32	...	0.44	0.77	0.53	0.10	0.17	0.12	0.19
SCCL	0.12	0.52	0.33	0.23	5.76	1.72	5.31	4.93	0.07	1.60	0.19	4.12
TISCO	...	...	...	...	0.38	...	...	0.27	...	0.09	...	0.18
MIL	...	...	...	...	0.70	...	...	0.60	...	0.17	...	1.30
JNL	...	...	...	...	1.92	...	...	1.33	...	0.43	...	1.94
SEML	...	4.18	...	3.11	...	4.18	...	3.11	0.86	0.86	0.96	0.96
ELCALTD	5.00	10.20	10.75	7.67	10.00	...	...	5.12	2.51	1.67	49.08	32.72
WBMDTC	...	6.13	...	4.52	...	...	...	...	1.50	...	3.52	...
BLMCL	...	...	2.42	1.18	...	...	...	...	0.33	...	0.28	...
TOTAL : NON-C. I. L.	0.12	0.39	0.35	0.24	4.83	0.86	2.93	3.31	0.08	1.07	0.13	1.76
TOTAL : ALL INDIA	0.16	0.43	0.17	0.23	2.11	0.72	0.98	1.46	0.07	0.45	0.13	0.85

#### - Placewise employment figures not available.

## STATEMENT NO. 5.8

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

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident				
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Fall of Roof	5	6	1	21	23	0	0	0	0	0	0	0	0	0	0	5	6	1	21	23
Fall of Sides (Other than Overhangs)	3	3	2	19	19	2	2	0	1	1	0	0	0	0	0	5	5	2	20	20
Fall of Overhangs	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Collapse of Shaft	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : GROUND MOVEMENT	9	10	3	41	43	2	2	0	1	1	0	0	0	0	0	11	12	3	42	44
Overwinding of Cages/Skip etc. (upgoing)	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2
Falls of Persons from Cages, Skip etc.	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Hit by Cages, Skip etc.	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2
TOTAL : TRANSPORTATION MACHINERY (WINDING)	0	0	0	2	3	0	0	0	0	0	0	0	0	2	2	0	0	0	4	5
Rope Haulage	2	2	0	43	44	0	0	0	1	1	0	0	0	4	4	2	2	0	48	49
Conveyors	1	1	0	4	4	1	1	0	2	2	1	1	0	2	2	3	3	0	8	8
Dumpers	0	0	0	0	0	17	17	0	11	11	4	4	0	3	3	21	21	0	14	14
Wheeled Trackless (Truck, Tanker, etc.)	0	0	0	2	2	3	3	0	2	3	3	3	0	2	2	6	6	0	6	7
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	3	3	0	49	50	21	21	0	16	17	8	8	0	11	11	32	32	0	76	78
Drilling Machines	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	2	2	0	1	1
Cutting Machines	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Loading Machines	3	3	0	1	1	0	0	0	0	0	1	1	0	0	0	4	4	0	1	1
Haulage Engine	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Other Heavy Earth Moving Machinery	0	0	0	2	2	4	4	0	10	10	2	2	0	2	2	6	6	0	14	14
Other Non-Transportation Machinery	1	1	0	3	3	0	0	0	2	2	0	0	0	1	1	1	1	0	6	6
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	5	5	0	8	8	6	6	0	12	12	3	3	0	3	3	14	14	0	23	23

**Statement 5.8 (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
Solid Blasting Projectiles	1	1	0	0	0		0	0	0	0	0		0	0	0	0	0	1	1	0	0	0
Deep Hole Blasting Projectiles	0	0	0	0	0		1	1	0	0	0		0	0	0	0	0	1	1	0	0	0
Misfires/Sockets(While Drilling into)	1	1	1	0	0		0	0	0	0	0		0	0	0	0	0	1	1	1	0	0
TOTAL : EXPLOSIVES	2	2	1	0	0		1	1	0	0	0		0	0	0	0	0	3	3	1	0	0
Overhead Lines	0	0	0	0	0		0	0	0	0	0		1	1	0	0	0	1	1	0	0	0
Switch Gears, Gate End Boxes, Pommel, etc.	0	0	0	0	0		0	0	0	1	1		0	0	0	0	0	0	0	0	1	1
Other Electrical Accidents	1	1	0	1	1		1	1	0	0	0		0	0	0	1	1	2	2	0	2	2
TOTAL : ELECTRICITY	1	1	0	1	1		1	1	0	1	1		1	1	0	1	1	3	3	0	3	3
Occurrence of Gas	1	2	0	0	0		0	0	0	0	0		0	0	0	0	0	1	2	0	0	0
Other Accidents due to Dust/Gas/Fire	0	0	0	1	1		1	2	2	0	0		1	1	0	0	0	2	3	2	1	1
TOTAL : DUST, GAS & OTHER COMBUSTIBLE MATERIAL	1	2	0	1	1		1	2	2	0	0		1	1	0	0	0	3	5	2	1	1
Fall of Person from Height/into Depth	2	2	0	114	114		3	3	0	19	19		3	3	0	27	27	8	8	0	160	160
Fall of Persons on the Same Level	0	0	0	7	7		0	0	0	1	1		0	0	0	0	0	0	0	0	8	8
Fall of Objects incl. Rolling Objects	0	0	0	57	57		1	1	0	6	6		0	0	0	24	24	1	1	0	87	87
Other Accidents due to Falls	0	0	0	8	8		0	0	0	0	0		0	0	0	1	1	0	0	9	9	
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	2	2	0	186	186		4	4	0	26	26		3	3	0	52	52	9	9	0	264	264
Irruption of Water	1	1	0	0	0		1	1	0	0	0		0	0	0	0	0	2	2	0	0	0
Drowning in Water	1	2	0	0	0		0	0	0	0	0		0	0	0	0	0	1	2	0	0	0
Bursting/Leakage of Oil Pipe Lines	0	0	0	1	1		0	0	0	0	0		0	0	0	0	0	0	0	0	1	1
Unclassified	0	0	0	85	85		0	0	0	5	6		1	1	0	32	32	1	1	0	122	123
TOTAL : OTHER CAUSES	2	3	0	86	86		1	1	0	5	6		1	1	0	32	32	4	5	0	123	124
ALL INDIA : ALL COAL	25	28	4	374	378		37	38	2	61	63		17	17	0	101	101	79	83	6	536	542

## STATEMENT NO. 5.9

### Number of fatal accidents in coal mines by major cause and responsibility during the year 2012

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Misadventure	1	-	-	1	-	-	-	1	-	3
Management	2	-	5	-	-	-	1	2	2	12
Management & Sub. Sup. Staff (SSS)	4	-	2	3	-	1	2	1	-	13
Management, SSS & Shotfirer	-	-	-	-	1	-	-	-	-	1
Management, SSS & Coworker	-	-	2	1	-	-	-	-	1	4
Management, SSS, Coworker, Deceased & Deceased	-	-	2	-	-	-	-	1	-	3
Management, SSS & Deceased	1	-	-	-	1	-	-	-	-	2
Management & Coworker	-	-	2	-	-	-	-	1	-	3
Management, Coworker & Deceased	-	-	1	-	-	-	-	-	-	1
Management & Deceased	-	-	2	-	-	1	-	-	1	4
Subordinate Supervisory Staff (SSS)	2	-	1	-	1	-	-	1	-	5
Sub. Sup. Staff & Coworker	-	-	2	-	-	-	-	-	-	2
Sub. Sup. Staff, Coworker & Deceased	-	-	1	-	-	-	-	-	-	1
Coworker	-	-	3	3	-	-	-	-	-	6
Coworker & Deceased	-	1	3	2	-	-	-	-	-	6
Deceased	1	-	6	2	-	1	-	2	1	13
<b>Total</b>	<b>11</b>	<b>1</b>	<b>32</b>	<b>12</b>	<b>3</b>	<b>3</b>	<b>3</b>	<b>9</b>	<b>5</b>	<b>79</b>

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## STATEMENT NO. 5.10

### Causewise number of fatal accidents in coal mines for different companies in 2012

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL
Fall of Roof	--	--	2	--	--	--	2	1	5	--	--	--	--	--	5
Killed-S/Injured :	--	--	2- 0	--	--	--	3- 1	1- 0	6- 1	--	--	--	--	--	6- 1
Fall of Sides	--	1	2	--	--	--	--	1	4	2	--	--	--	--	6
Killed-S/Injured :	--	1- 0	2- 2	--	--	--	--	1- 0	4- 2	2- 0	--	--	--	--	6- 2
Rope Haulage	1	--	1	--	--	--	--	--	2	--	--	--	--	--	2
Killed-S/Injured :	1- 0	--	1- 0	--	--	--	--	--	2- 0	--	--	--	--	--	2- 0
Dumpers	5	2	3	2	2	--	3	1	18	3	--	--	--	--	21
Killed-S/Injured :	5- 0	2- 0	3- 0	2- 0	2- 0	--	3- 0	1- 0	18- 0	3- 0	--	--	--	--	21- 0
Trucks	1	--	--	--	--	--	1	--	2	2	--	--	--	2	6
Killed-S/Injured :	1- 0	--	--	--	--	--	1- 0	--	2- 0	2- 0	--	--	--	2- 0	6- 0
Other Machinery	--	1	3	--	1	--	2	2	9	4	--	3	--	1	17
Killed-S/Injured :	--	1- 0	3- 0	--	1- 0	--	2- 0	2- 0	9- 0	4- 0	--	3- 0	--	1- 0	17- 0
Explosives	--	--	--	--	1	--	--	1	2	--	--	--	--	1	3
Killed-S/Injured :	--	--	--	--	1- 0	--	--	1- 0	2- 0	--	--	--	--	1- 1	3- 1
Fall of Persons	3	--	--	--	3	--	--	--	6	1	--	--	--	1	8
Killed-S/Injured :	3- 0	--	--	--	3- 0	--	--	--	6- 0	1- 0	--	--	--	1- 0	8- 0
Fall of Objects	1	--	--	--	--	--	--	--	1	--	--	--	--	--	1
Killed-S/Injured :	1- 0	--	--	--	--	--	--	--	1- 0	--	--	--	--	--	1- 0
Other Causes	1	1	--	--	--	1	2	3	8	1	--	--	--	1	10
Killed-S/Injured :	1- 0	2- 0	--	--	--	1- 0	2- 0	4- 2	10- 2	2- 0	--	--	--	1- 0	13- 2
Below Ground	3	1	7	--	--	--	5	4	20	4	--	--	--	1	25
Killed-S/Injured :	3- 0	2- 0	7- 2	--	--	--	6- 1	4- 0	22- 3	5- 0	--	--	--	1- 1	28- 4
Opencast	6	3	4	1	4	--	3	5	26	6	--	2	--	3	37
Killed-S/Injured :	6- 0	3- 0	4- 0	1- 0	4- 0	--	3- 0	6- 2	27- 2	6- 0	--	2- 0	--	3- 0	38- 2
Above Ground	3	1	--	1	3	1	2	--	11	3	--	1	--	2	17
Killed-S/Injured :	3- 0	1- 0	--	1- 0	3- 0	1- 0	2- 0	--	11- 0	3- 0	--	1- 0	--	2- 0	17- 0
<b>TOTAL</b>	<b>12</b>	<b>5</b>	<b>11</b>	<b>2</b>	<b>7</b>	<b>1</b>	<b>10</b>	<b>9</b>	<b>57</b>	<b>13</b>	<b>--</b>	<b>3</b>	<b>--</b>	<b>6</b>	<b>79</b>
Killed-S/Injured :	12- 0	6- 0	11- 2	2- 0	7- 0	1- 0	11- 1	10- 2	60- 5	14- 0	--	3- 0	--	6- 1	83- 6



## STATEMENT NO. 5.11

### Causewise number of serious accidents in coal mines for different companies in 2012

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL
Fall of Roof	1	--	2	--	--	--	1	3	7	12	--	--	1	1	21
S/Injured :	2	--	2	--	--	--	1	3	8	13	--	--	1	1	23
Fall of Sides	1	1	2	--	--	--	3	1	8	10	--	--	1	1	20
S/Injured :	1	1	2	--	--	--	3	1	8	10	--	--	1	1	20
Rope Haulage	2	2	4	1	--	--	3	1	13	35	--	--	--	--	48
S/Injured :	2	2	4	1	--	--	3	1	13	36	--	--	--	--	49
Dumpers	--	--	3	2	3	--	1	3	12	2	--	--	--	--	14
S/Injured :	--	--	3	2	3	--	1	3	12	2	--	--	--	--	14
Trucks	1	--	1	--	--	--	2	1	5	1	--	--	--	--	6
S/Injured :	1	--	2	--	--	--	2	1	6	1	--	--	--	--	7
Other Machinery	5	--	7	--	2	--	5	5	24	8	--	3	--	--	35
S/Injured :	5	--	8	--	2	--	5	5	25	8	--	3	--	--	36
Fall of Persons	13	2	31	2	--	--	8	7	63	103	--	--	--	2	168
S/Injured :	13	2	31	2	--	--	8	7	63	103	--	--	--	2	168
Fall of Objects	1	2	10	--	1	--	3	4	21	66	--	--	--	--	87
S/Injured :	1	2	10	--	1	--	3	4	21	66	--	--	--	--	87
Other Causes	7	2	27	4	1	--	7	6	54	81	--	2	--	--	137
S/Injured :	8	2	27	4	1	--	7	6	55	81	--	2	--	--	138
Below Ground	18	4	60	5	--	--	19	15	121	248	--	--	2	3	374
S/Injured :	19	4	61	5	--	--	19	15	123	250	--	--	2	3	378
Opencast	6	2	7	2	7	--	6	7	37	20	--	3	--	1	61
S/Injured :	7	2	8	2	7	--	6	7	39	20	--	3	--	1	63
Above Ground	7	3	20	2	--	--	8	9	49	50	--	2	--	--	101
S/Injured :	7	3	20	2	--	--	8	9	49	50	--	2	--	--	101
<b>TOTAL</b>	<b>31</b>	<b>9</b>	<b>87</b>	<b>9</b>	<b>7</b>	<b>--</b>	<b>33</b>	<b>31</b>	<b>207</b>	<b>318</b>	<b>--</b>	<b>5</b>	<b>2</b>	<b>4</b>	<b>536</b>
S/Injured :	33	9	89	9	7	--	33	31	211	320	--	5	2	4	542

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**STATEMENT NO. 5.12**  
**Regionwise/zonewise number of accidents and resultant  
casualties/seriously injured persons in coal mines in 2012**

Region / Zone	Fatal Accidents			Serious Accidents	
	2012			2012	
	No. of Accident	Killed	S/Injured	No. of Accident	S/Injured
Dhanbad I	4	4	--	11	12
Dhanbad II	5	5	--	12	13
Dhanbad III	6	6	1	14	14
Koderma	3	4	--	2	2
Central Zone	18	19	1	39	41
Sitarampur I	3	3	1	36	36
Sitarampur II	5	5	--	27	28
Sitarampur III	5	5	1	21	22
Eastern Zone	13	13	2	84	86
Ajmer	1	1	--	--	--
Varanasi	7	7	--	7	7
Northern Zone	8	8	--	7	7
Hyderabad I	9	9	--	188	189
Hyderabad II	4	5	--	130	131
South-Central Zone	13	14	--	318	320
Bhubaneswar	2	2	--	9	9
Ranchi	2	2	--	7	7
South-Eastern Zone	4	4	--	16	16
Chennai	3	3	--	5	5
Southern Zone	3	3	--	5	5
Bilaspur	9	10	1	22	22
Jabalpur	2	2	--	14	14
Nagpur I	3	3	--	17	17
Nagpur II	6	7	2	14	14
Western Zone	20	22	3	67	67
ALL INDIA	79	83	6	536	542

## **STATEMENT NO. 5.13**

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

**Code : 0100**      **Ground Movement**

## **Code : 0111 Fall of Roof ( 6 Deaths)**

1. Date - 13/02/12 Mine - WEST JHARKHAND  
Time - 14. 10 Owner - South Eastern Coalfields Ltd.  
  
Dist. - Korea, State - Chhattisgarh  
Person(s) Killed :

1. Arjun. Roof Bolter Contract. Male. 38 Years

While two workers were engaged in dismantling an anchor of LHD at the corner of a junction of development district of a colliery for shifting it, suddenly a layer of shale stone 0.15 to 0.24m thick parted from the roof at a height of 3.0m and fell along with roof bolts that partially buried them beneath pieces of stone measuring about 1.7m X 0.3-1.0m X 0.24m and 0.4m X 0.3m X 0.20m along with debris of fall inflicting serious injuries to both, one of them succumbed on the way from company hospital to specialty hospital after about four and half hour.

Had the roof of the junction falling within blasting zone been tested as often as necessary, properly dressed, made & kept secured as required under Regulation 109(8)(a) and 102(1) of the Coal Mines Regulation, 1957 read with Regulation 44(3)(a), 43(1)(e) and 42(1) of the Coal Mines Regulation, 1957, this accident could have been averted.

2. Date - 13/04/12 Mine - DABOR  
Time - 3.55 Owner - Eastern Coalfields Ltd.  
Dist. - Burdwan, State - West Bengal  
Person(s) Killed :

1. Sukhen Mudi, Loader, Male, 41 Years

While a group of seven loaders were loading coal at an unsupported junction, all of a sudden a mass of shale roof measuring 1.2m X 0.6m X 0.1m (thick) dislodged at a height of 3.2m and fell down inflicting serious bodily injuries to one to which he succumbed almost instantly and reportable injuries to four of them.

Had the roof of development gallery made and kept secured by fixing supports as per provisions of SSR framed under the Regulations 108(1)(bb) of the Coal Mines Regulations, 1957, this accident could have been averted.



1 Maha Singh Pump Khalasi Male 52 Years

While the roof of an old developed working in the vicinity of a pump installation was being dressed by a dresser in an underground coal mine, a layer of shale measuring 2.4m X 1.2m and 7.5cms thick suddenly parted from the roof at a height of 2.1m and a piece of it measuring 30cms X 15cms and about 7.5cms thick fell on the back of a pump khalasi who in the process of escape fell on a hard

object causing injuries to his pelvis and internal organs to which he succumbed after about 5 hours in the hospital.

Had the pump khalasi been alerted to move away from the working place while dressing of roof was being done and it been kept under the supervision of a competent person as required under Regulation 113 of Coal Mines Regulations, 1957, this accident could have been averted.

4. Date – 16/09/12  
Time – 11.30

Mine – JHANJHRA 1&2 INCLINE  
Owner – Eastern Coalfields Ltd.  
Dist. – Burdwan, State – West Bengal  
Person(s) Killed :

1. Ramchandra Munda, Road Head Crew, Male, 48 Years

While a worker was dressing unsupported roof of length 3.5m in a gallery of a depillaring district worked by caving method, suddenly a mass of shale roof measuring about 3.5 X 1.5m X 0.05 to 0.1m (thick) parted off and fell from a height of 2.7m inflicting serious bodily injuries to him to which he succumbed after three and half hours in hospital.

Had the roof of split gallery been made and kept secured by fixing roof bolts as required by provisions of Regulation 108(5) of the Coal Mines Regulations, 1957, the accident could have been averted.

5. Date – 25/11/12  
Time – 10.00

Mine – BHATGAON  
Owner – South Eastern Coalfields Ltd.  
Dist. – Surguja, State – Chhattisgarh  
Person(s) Killed :

1. Arjun Mandal, Mining Sirdar, Male, 46 Years
2. Amresh, General Mazdoor, Male, 27 Years

while a Mining Sirdar along with a General Mazdoor working as Driller and a LHD operator was returning after inspecting a working face in a depillaring panel, a piece of shaly sand stone measuring about 2.0 to 2.43m long 1.95 to 2.57m wide and 0.04 and 0.10m thick fell from the roof from a height of about 4.5m, inflicting serious bodily injuries to the Mining Sirdar and the Driller to which the Mining Sirdar died on the spot and the Driller succumbed to his injuries while he was being shifted to hospital.

Had

i) the layer of shaly sandstone been brought down by dressing or the roof been made and kept secured by providing support as required under the provision of Regulation 102(1) and Systematic Support Rules framed and approved under the provisions of Regulation 108 of the Coal Mines Regulations, 1957

ii) the faces (dip slices at 38 & 38 1/2 level) been maintained in the diagonal line of extraction prescribed in the Condition No. 6.6 of the permission letter issued vide letter No. RGR/Bhatgaon/P-100(1)/01/2012/210 under Regulation 100(1) of the Coal Mines Regulations, 1957, and

iii) the height of the workings not been 4.5m but maintained within the prescribed limit as per the Condition No. 6.1 of the permission letter issued vide letter No. RGR/Bhatgaon/P-100(1)/01/2012/210 under Regulation 100(1) of the Coal Mines Regulations, 1957,

this accident could have been averted.

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

6. Date – 18/05/12  
Time – 22.45

Mine – KOLAR PIMPRI O.C  
Owner – Western Coalfields Ltd.  
Dist. – Yavatmal, State – Maharashtra  
Person(s) Killed :

1. Azim Khan, Shovel Operator, Male, 57 Years

While removal of about 150 cubic meter of freshly collapsed material from the toe of about 47m vertical side while undercut of poorly illuminated coal face of an opencast coal mine was being carried out with dumper shovel combination, a sudden second fall of about 300 cubic meter took place after about four and half hour at the same location that buried the shovel and a dumper inflicting instant fatal injuries to the shovel operator.

Had

- i) the side in overburden been kept benched as required in the condition 2.1.2 of the Annexure – A of permission granted vide this Directorate letter No. 6342 dated 21.09.1995 under Reg. 98(1) & (3) and 126(2) of the Coal Mines Regulations, 1957,
- ii) the side of the bench not been undercut in contravention of Reg. 98(5) of the Coal Mines Regulations, 1957,
- iii) adequate lighting been provided at the working faces to provide good visibility to the operators as required in the Condition No. 11 of the Annexure –A of permission granted vide this Directorate letter No. 6342 dated 21.09.1995 under Reg. 98(1) & (3) and 126(2) of the Coal Mines Regulations, 1957,

this accident could have been averted.

7. Date – 11/07/12  
Time – 3.10

Mine – PURE SEARSOLE  
Owner – Eastern Coalfields Ltd.  
Dist. – Burdwan, State – West Bengal  
Person(s) Killed :

1. Dhrub Joardar, Overman, Male, 51 Years

While an overman was testing the roof and sides in a disturbed area, suddenly a shale band ledge measuring 2.5 X 1.0m X 0.35m (thick) fell from a height of 2.5m exactly over him on back side, inflicting serious bodily injuries to which he succumbed after about 3 hours. The other mozdoor engaged in cleaning the fall, escaped with reportable injuries.

Had

- i) the roof & sides of the roadway made & kept secured before engaging persons for cleaning job as required under Regulation 102(1) & Regulation 43(1)(e) of the Coal Mines Regulations, 1957 and
- ii) the mining supervisor tested the roof & sides of the place of accident from a safe and secured place by a long dressing and testing rod thereby not negligently and willfully omitted to ensure the safety of persons engaged including his own safety as required under Regulation 190 & 43(1)(e) of the Coal Mines Regulations, 1957,

the accident could have been averted.

8. Date - 30/07/12  
Time - 4.00

Mine - DHORI  
Owner - Central Coalfields Ltd.  
Dist. - Bokaro, State - Jharkhand  
Person(s) Killed :

1. Mohan Kr. Mishra, Shovel Operator, Male, 41 Years

While an excavator was working over a coal bench, a mass of about 30 tonnes including a big stone piece measuring 3.33m X 3.25m X 1.1m fell down from the side through a height of 17m damaging the operator's cabin & inflicting serious bodily injuries to the operator to which he succumbed at the hospital after 8 hours.

Had

i) the sides been kept benched having height upto boom height of the excavator as per requirement of condition No. 2.1 of Annexure to the Permission letter granted vide letter No. KR/1723 dated 10.08.2001 under Regulation 98(1) & (3) of the CMR, 57 and

ii) the willful marching of excavator from safe to unsafe and unlawful working place neither been done nor been allowed to work thereat in contravention of Regulation 190, 38(1) & 43(1) (a & d) of the Coal Mines Regulations, 1957 read with condition No. 9.2(a&b) of annexure to the permission letter granted vide letter No. KR/1723 dated 10.08.2001 under Regulation 98(1&3) of the CMR, 57,

this accident could have been averted.

9. Date - 08/08/12  
Time - 13.00

Mine - GODAVARI KHANI NO. 2 & 2A INCLINE MINE  
Owner - Singareni Collieries Company Ltd.  
Dist. - Karimnagar, State - Andhra Pradesh  
Person(s) Killed :

1. Erukala Kistaiah, Coal Cutter, Male, 52 Years

While a workman was cutting notch on the sides of a pillar for the purpose of water dam, beneath overhanging sides, suddenly a coal piece measuring 2.85m in length X 0.85 in width X 0.35 in thickness parted from the side at a height of about 2.9m fell on him causing fatal injuries.

Had the place of work been inspected and ensured that, the sides are made and kept secured as required under the provisions of the Reg. 42(2), Reg. 43(1) (d), Reg. 44(3) (a), Reg. 102(1) and read with Reg. 113(3) (a), Reg. 102(2) of the Coal Mines Regulations, 1957, this accident could have been averted.

10. Date - 14/08/12  
Time - 12.15

Mine - BANSRA  
Owner - Eastern Coalfields Ltd.  
Dist. - Burdwan, State - West Bengal  
Person(s) Killed :

1. Kadir Ansari, Contract Worker, Male, 55 Years

While eight contractor's workmen were engaged in recess cutting in a haulage roadway, a mass of side coal measuring about 3.5m (length) X 1.4-1.6m(height) X 0.3-0.35(thick) fell suddenly along a slicken plane inflicting serious bodily injuries to two of them to which one workman succumbed on the way to hospital."

"Misadventure"

## **Code : 0113 Fall of Overhangs ( 1 Death)**

11. Date - 04/09/12  
Time - 9.30

Mine - KAKATIYA KHANI NO 1 &1A INCLINE  
Owner - Singareni Collieries Company Ltd.  
Dist. - Warangal, State - Andhra Pradesh  
Person(s) Killed :

1. Mukka Anand, Coal Filler, Male, 57 Years

While a group of four coal fillers was engaged to load blasted coal in a connected working face, suddenly a mass of two coal pieces measuring about 1.24m X 0.67m X 0.25m and 0.75m X 0.3m X 0.26m fell from overhanging side at a height of about 2.5m on one of the coal filler inflicting serious injuries to his lower vital parts and immediately succumbed to injuries.

Had overhanging sides of the pillar in the gallery been properly dressed and kept secured before the persons were engaged for loading of coal and place has been examined by the supervisory staff, as required under the provisions of Regulations 102(1) reads with Regulations 44(3)(a) and 43(1)(d) of the CMR, 1957, this accident could have been averted.

**Code : 0300 Transportation Machinery (Non-Winding)**

## **Code : 0332      Rope Haulage ( 2 Deaths)**

12. Date - 27/04/12  
Time - 13.15

Mine - HARIPUR (R)  
Owner - Eastern Coalfields Ltd.  
Dist. - Burdwan, State - West Bengal  
Person(s) Killed :

1. Santosh Nayak, UG Trammer, Male, 45 Years

While a crew was moving down the haulage incline plane having gradient of 1 in 4 without justifiable purpose, a coal loaded tub struck him from behind resulting serious bodily injuries to which he succumbed instantly.

Had

i) the person in-charge of the shift seen that except for the purpose of inspection, examination and repair, every person travels by the travelling roadway in contravention of the provisions of Regulation 43(5) of CMR, 1957 & he seen that sub-ordinate officials and competent persons in his district carry out their respective duties in proper manner as required under provision of Reg. 43(1) (d) of the CMR, 1957 and

ii) the person in-charge of incline mouth restricted the inadvertent entry of persons to the haulage incline, thus negligently and willfully omitted to ensure safety of the persons at haulage roadway as required under Regulation 190 of CMR, 1957 and he warned the persons likely to be endangered when tubs are about to be moved as required under Regulation 89(2)(a) of CMR, 1957,

this accident could have been averted.

13. Date - 27/09/12  
Time - 7.15

Mine - BASTACOLA  
Owner - Bharat Coking Coal Ltd.  
Dist. - Dhanbad, State - Jharkhand  
Person(s) Killed :

1. Baldeo Pd. Bhuria, UG Trammer, Male, 57 Years

While an underground trammer was operating signal from a point having inadequate protection, he was hit by the running haulage tubs inflicting serious bodily injuries to which he succumbed immediately.

Had adequate protection, against tubs moving out of control at the place of signalling, been provided as required under Reg. 87(5) of the Coal Mines Regulations, 1957, the accident could have been averted.

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**Code : 0334      Conveyors**  
**( 3 Deaths)**

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14. Date - 30/01/12  
Time - 12.10

Mine - RAMAGUNDAM OC-I  
Owner - Singareni Collieries Company Ltd.  
Dist. - Karimnagar, State - Andhra Pradesh  
Person(s) Killed :

1. M. Rajender, Fitter, Male, 48 Years

While a fitter was attempting to clear the choked coal at discharge chute of a bunker with the help of crowbar, he slipped and fell on running conveyor belt and caught between belt frame and spill plates resulting into fatal injuries.

Had the person stopped the belt conveyor before attempting to clear the choked coal at discharge chute of a bunker negligently or willfully not omitted to do anything necessary for safety of persons and for his own safety, this accident could have been averted.

15. Date - 19/04/12  
Time - 12.30

Mine - NEYVELI NO 2  
Owner - Neyveli Lignite Corporation Ltd.  
Dist. - Cuddalore, State - Tamil Nadu  
Person(s) Killed :

1. P. Kuppusamy, Contractor Worker, Male, 43 Years

While a conveyor was started, during changing of its rollers, one out of five persons engaged for the job could not escape from the bottom belt, hauled to a distance, received serious bodily injuries near the tail end and thrown away from the belt, which proved fatal on way to the hospital.

Had

i) the system been made for proper supervision, co-ordination and communication between different groups when engaged simultaneously at different places for maintenance on same conveyor and thus not failed to provide for safety and discipline of persons employed for maintenance of the conveyor at the mine as required under Regulation 37(1) of Coal Mines Regulations, 1957 read with section 18(4) of the Mines Act, 1952;

- ii) the supervision been provided to ensure safe working during the maintenance work undertaken by roller changing group a the belt conveyor through official or competent person as required by Regulation 36(1)(a) read with Regulation 41(4) of Coal Mines Regulations, 1957
- iii) the emergency pull chord switches along the conveyor, to stop it immediately when applied in emergency, not been made dysfunctional when persons were working on the belt conveyor, thus negligently not done something likely to endanger the life of the persons employed in the mine as required under Regulation 190 read with Regulation 50(a) of Coal Mines Regulations, 1957 and
- iv) the persons not been engaged for replacement of rollers on the belt conveyor without seeing that the persons under one's charge had understood and would carry out their duties peroperly, in contravention to Regulation 40(2) of Coal Mines Regulations, 1957,

this accident could have been averted.

16. Date – 23/08/12  
Time – 9.40

Mine – CHURCHA  
Owner – South Eastern Coalfields Ltd.  
Dist. – Korea, State – Chhattisgarh  
Person(s) Killed :

1. Narbada Singh, Mazdoor (Contract), Male, 31 Years

While a crew consisting of eight contractor workers were replacing the belt of a pony belt conveyor by running drive durm in reverse direction in a depillaring district of an underground coal mine, in the process the slackened belt went inside the moving drum cuaisng reverse movement of the belt, one of the worker holding the belt lost balance due to suddenl jerk, fell down and was pulled inside the drive drum inflicting head injury that proved fatal almost instantly whereas another co-worker escaped with minor injury.

Had

- i) the contractor workers not been deployed for changing the belt of pony belt conveyor by running it in reverse direction in contravention of Reg. 184(3) read with Reg. 40(1), 42(1) and 50(d) of Coal Mine Regulations, 1957 and
- ii) the guard of drive durm been kept in position and contractor workers not been deployed close to drive drum in motion for pulling the belt thereby omitting their own safety as required under Reg. 184(2) and 190 read with Reg. 40(1) and 41(2) of Coal Mine Regulations, 1957,

this accident could have been averted.

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**Code : 0335      Dumpers  
( 21 Deaths )**

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17. Date – 02/01/12  
Time – 4.25

Mine – RAMAGUNDAM OC-II  
Owner – Singareni Collieries Company Ltd.  
Dist. – Karimnagar, State – Andhra Pradesh  
Person(s) Killed :

1. Ippakayala Srinivas, Security Guard, Male, 25 Years

While a dumper was transporting OB to the designated OB dump yard, the dumper operator, ran over a person causing instantaneous death.

Had

i) he not slept on haul road whilst on duty as required under Reg. 38(6) of the Coal Mines Regulations, 1957,

ii) the dumper operator ensured that, no person remain in the vicinity of haul road and ensured safety of persons therein as required under Reg. 190 of the Coal Mines Regulations, 1957,

iii) the place been inspected as often as at least before start of the work and ensured that, no person is sleeping whilst on duty on haul road of openast mine or safety of person employed therein and the person been trained as required under Reg. 42(3), Reg. 38(6), Reg. 43(8)(a) and read with Reg. 190 of the Coal Mines Regulation, 1957 and Rule 6 of MVT Rules, 1966,

this accident could have been averted.

18. Date - 21/01/12

Mine - RAMAGUNDAM OC-II

Time - 5.15

Owner - Singareni Collieries Company Ltd.

Dist. - Karimnagar, State - Andhra Pradesh

Person(s) Killed :

1. A. Raj Kumar, Drill Mechanic(Contr.), Male, 32 Years

While a mechanic was repairing lying beneath stalled engine of drill rig at a haul road leading to dump yard, suddenly a loaded tipper hit at rear side of drill rig inflicting serious bodily injuries to which he succumbed on the way to hospital.

Had the person been careful while driving tipper on haul road and ensured safety of person/machine in the vicinity therein as required under Reg. 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

19. Date - 28/01/12

Mine - AMALGAMATED KESHALPUR-WEST MUDIDIH

Time - 1.00

Owner - Bharat Coking Coal Ltd.

Dist. - Dhanbad, State - Jharkhand

Person(s) Killed :

1. Mangru Rajak, Dozer Operator, Male, 40 Years

While a Dozer Operator in the night shift was reversing the dozer from active working area to another end of the overburden dump yard of an open cast coal mine a person who was sleeping at the other end of the working place was run over by the dozer and he died on the spot.

Had,

1) the dozer operator not negligently committed to look behind the dozer during reversal as required under Regulation 190 of the Coal Mines Regulation 1957,

2) the spotter not negligently committed to give audible warning signal to the dozer operator during reversal as required under Regulation 190 of the Coal Mines Regulation 1957,

3) the deceased not being slept whilst on duty as required Under Regulation 38(6) of the Coal Mines Regulation 1957.

This accident could have been averted.

20. Date – 02/02/12  
Time – 19.45

Mine – KUJAMA  
Owner – Bharat Coking Coal Ltd.  
Dist. – Dhanbad, State – Jharkhand  
Person(s) Killed :

1. Santosh Kr.Jha, Tripman(Contract), Male, 25 Years

While two tripman were going on a motor cycle after booking their attendance to their place of work in an opencast coal mine, a dumper coming from behind them, hit the motor cycle, due to which the rider received serious bodily injuries and died on way to the hospital while the pillion rider escaped with minor injuries.

Had light and heavy vehicles not been permitted on the same road by framing code of traffic rules to that effect and written instructions were given to all operators and displaying the same at conspicuous places on haul road and other places of the mine as required by Condition No. 6.6 of the Annexure enclosed with permission granted vide letter No. R-2/010199/P-01-07/638, Dhanbad, dated 07.03.2007, under Regulation 100(1), 122, 168(5), 170(1A) (C) & Relaxation under Reg. 98(1) & (3) and exemption under Reg. 170 B(a) of the Coal Mines Regulations, 1957, to extract developed pillars and virgin patch of No. XA(4 ft.) & No.-IX/X Seam by mechanised open cast method using HEMM and adopting deep hole drilling and blasting within 300m but beyond 100m of Bastee/BCCL Quarters at Kujama Colliery of M/S Bharat Coking Coal Limited, this accident could have been averted.

21. Date – 05/02/12  
Time – 5.05

Mine – RAJMAHAL OCP  
Owner – Eastern Coalfields Ltd.  
Dist. – Godda, State – Jharkhand  
Person(s) Killed :

1. Samsuddin Ansari, Dumper Operator, Male, 45 Years

While a dumper was parked in extreme left side on the empty lane of haul road, another speeding dumper dashed the stranded dumper from behind meeting head to tail collision in such a way that right rear body of the stranded dumper pierced into the cabin of speeding dumper and got smashed in which operator of the speeding dumper received serious bodily injuries to which he succumbed almost instantly.

Had

- i) The "code of practice" framed as per condition 17.2.3 of permission letter No. S4/03/26/006/II-B/87/1182 dated 08.04.1987 granted under Reg. 98(1) of the Coal Mines Regulations, 1957, been followed and complied strictly as required under Regulation 38(1)(a) and 98 of CMR, 1957 and
- ii) the dumper operator not drove the dumper negligently or willfully thereby omitting to see the parked dumper on empty lane of haul road and dashed the said dumper during driving in forward direction, which were necessary to ensure safety of the person employed therein as required under Reg. 190 of CMR, 1957 read with Reg. 38(1)(a) and condition of permission granted under Reg. 98(1)(3) of the Coal Mines Regulations, 1957,

this accident could have been averted.

22. Date - 21/03/12  
Time - 22.30

Mine - DUDHICHUA PROJECT  
Owner - Northern Coalfields Ltd.  
Dist. - Singrauli, State - Madhya Pradesh  
Person(s) Killed :

1. Umesh Kr. Kewat, Maintenance Helper, Male, 22 Years

A contractual maintenance helper, who had entered into operational area of HEMM deployed in the mine's stock yard, was run over by a tipper to receive serious bodily injuries, to which he succumbed after about 3 hours whilst on way to referral hospital after being at the company's hospital.

Had

i) the tipper been driven carefully and defensively, thus not negligently endangering life and safety of persons employed in the mine, as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957 and

ii) the stock-yard been placed under the charge of a Sirdar or a competent person to ensure proper discipline as well as safety of persons employed there at, and for observance of the requirements of the rules, regulations and orders made thereunder, as called for by the provisions of Regulation 113 of the Coal Mines Regulations, 1957, read with DGMS Circular No.3 of 1952, Tech 2 of 1986, Tech. 4 of 1993, Tech. 9 of 1996 & Circular No. (Tech.) (SOMA) 1 dated 04.01.2008,

this accident could have been averted.

23. Date - 24/03/12  
Time - 7.00

Mine - BHUBANESWARI OPENCAST PROJECT  
Owner - Mahanadi Coalfields Ltd.  
Dist. - Angul, State - Orissa  
Person(s) Killed :

1. Jaya Prakash Rout, Driver (Contract), Male, 34 Years

While a contractor's tipper driver, after alighting from the cabin of his tipper, was crossing form one side to the other behind another coal loaded reversing tipper, he was severely run over and crushed under the right side wheels of the reversing tipper, receiving multiple injuries to which he succumbed instantly.

Had

i) proper and daily shift-wise checking of safety features of the tipper been ensured to prevent the defective tipper, i.e. the tipper having not fitted with rear vision system/camereia and approved type Audio Visual Reversing Alarm(AVA) duly interlocked with its reverse gear, from being allowed to be operated in the mine, as required under Section 18(4) of the Mines Act, 1952, and Regulations 42 & 50(a)&(d) of the Coal Mines Regulations, 1957, read with DGMS(Tech.) Circular Nos. 12 of 2009 & 5 of 2010 and Condition Nos. 8.4, 8.5, 9.2, 10.2, 10.6, 10.16 & 16.1(iv) of this Directorate's letter Mp. BDH/CO-13/P-98(1)&(3)/2009/1151 dated 16.03.2009, issued under Regulation 98(1)&(3) of the Coal Mines Regulations, 1957 and

ii) the tipper been reversed carefully after seeing/checking for presence of any person behind it so as not to hit the person present behind and thus negligent not endangering the life and safety of the person in the mine, as required under the provisions Regulation 38(1)(a) read with Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

24. Date - 25/03/12  
Time - 22.40

Mine - JEENAGORA  
Owner - Bharat Coking Coal Ltd.  
Dist. - Dhanbad, State - Jharkhand  
Person(s) Killed :

1. Subodh Kr. Singh, Electrician, Male, 36 Years

While a dumper, loaded with coal in an opencast mine, was going via the transport road connecting the quarry to the coal dump, an electrician who was crossing the road on a bicycle for going to his place of work in the mine was hit by the dumper inflicting him serious injuries to which he succumbed after two days and half.

Had

i) separate time duration for movement of light vehicles/pedestrians and HEMM on the haul road been fixed and a traffic rule been made in this regard as required condition No. 16.4 of the permission letter No. 287, dated 23.02.2012 granted under Regulations 100(1), 161(1), 168(5), 170(1A), 170(1B), and relaxation under Regulation 98(1) and (3) of the Coal Mines Regulations, 1957,

ii) the dumper operator handled the dumper carefully and keep it under control at all times as required under condition No. 12.3.B.3(a) of the permission letter No. 287, dated 23.02.2012 granted under Regulations 100(1), 161(1), 168(5), 170(1A), 170(1B) and relaxation under Regulation 98(1) and (3) of the Coal Mines Regulations, 1957 and

iii) the victim was careful while crossing the road, not negligently/willfully omitted to take care of his own safety as required under Regulation 38(1) read with Regulation 190 of the Coal Mines Regulations, 1957,

the accident could have been averted.

25. Date - 09/04/12  
Time - 3.25

Mine - PRAKASHAM KHANI OPENCAST MINE  
Owner - Singareni Collieries Company Ltd.  
Dist. - Khammam, State - Andhra Pradesh  
Person(s) Killed :

1. T. Satyanarayana, Drivers, Male, 36 Years

While a tipper driver got down from a moving tipper in a hurry in the process he ran over by the same tipper succumbed to injuries instantly.

Had he not been negligently and willfully endangered his own safety and the person employed therein by ensuring before getting down the moving tipper to a complete halt as required under Regulation 190 of CMR, 1957, this accident could have been averted.

26. Date - 22/04/12  
Time - 14.00

Mine - DURGAPUR OC  
Owner - Western Coalfields Ltd.  
Dist. - Chandrapur, State - Maharashtra  
Person(s) Killed :

1. V. S. Bhandare, Overman, Male, 55 Years

While a 50T loaded dumper was being reversed for unloading it to make a ramp in an opencast coal mine, a boulder of about 0.6m X 0.76m X 0.45m fell from the dumper, rolled and hit an overman who was in the vicinity supervising the operations, to which he succumbed after about two hours.

Had the supervisor been careful and moved away from the reversing dumper to ensure his own safety as required under Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

27. Date - 23/04/12                    Mine - LINGARAJ OCP  
Time - 2.45                            Owner - Mahanadi Coalfields Ltd.  
    Dist. - Angul, State - Orissa  
Person(s) Killed :  
    1. Kamal Kr. Chand, Tipper Driver, Male, 32 Years

While an empty tipper (contractual) was being driven at a high speed on about 40m wide haul road laid on back-filled surface of an opencast mine, the driver lost control over the tipper, causing it to jump off the edge of the road by rolling over side berm and fall down by a height of about 31.5m, inflicting serious head injuries to the driver to which he succumbed after 11 days while under treatment in a hospital.

Had the tipper been driven carefully within limited speed of 30km/h so as not to lose control over it to fall down from height and thus negligently not endangering the life and safety of the persons in the mine, as required under the provisions of Regulation 38(1)(e) read with Regulation 190 of the Coal Mines Regulations, 1957, the accident could have been averted.

28. Date - 28/04/12                    Mine - AMALGAMATED KESHALPUR-WEST MUDIDIH  
Time - 6.05                            Owner - Bharat Coking Coal Ltd.  
    Dist. - Dhanbad, State - Jharkhand  
Person(s) Killed :  
    1. Md. Nizam Khan, Dozer Operator, Male, 52 Years

While a dumper operator reversed the empty dumper all of a sudden on a haul road from the midway to place the same at a safe place at the end of night shift, a dozer operator of the contractor, deputed in morning shift who was walking alone along the same haul road to take over the dozer was run over and he died on the spot.

Had

- i) the dumper operator not negligently omitted to look behind the dumper during reversal as required under Regulation 190 of the Coal Mine Regulations, 1957 and
- ii) the dumper not been operated by the operator while the persons was in such close proximity as required under the condition No. 9(D)(b)(iii)(a) of the permission granted vide this Directorate's letter No. DR-1/010132/01/perm/43-10/2011/2265 dated 30.08.2011,

this accident could have been averted.

29. Date - 01/05/12                    Mine - K. D. HESALONG PROJECT  
Time - 17.45                            Owner - Central Coalfields Ltd.  
    Dist. - Ranchi, State - Jharkhand  
Person(s) Killed :  
    1. Sunil Kr. Mahato, Contract Worker, Male, 21 Years

While a front end loader operator was in conversation with his co-worker positioning himself behind a tipper, he was run over by the tipper being reversed for loading crushed coal near feeder breaker

inflicting thereby serious bodily injuries to which he succumbed while being shifted for treatment to a hospital.

Had

- i) the tipper operator been mindful while the tipper was being reversed
- ii) the fine dust generated near feeder breaker been suppressed effectively thereby not impairing vision of the operator while reversing the tipper and
- iii) the operation of loading in the feeder breaker output been kept under the supervision of a competent Supervisor,

the accident could have been averted.

30. Date - 10/06/12

Mine - CHITRA-B

Time - 19. 20

Owner - Eastern Coalfields Ltd.

Dist. - Deoghar, State - Jharkhand

Person(s) Killed :

- 1. Bhagan Das, Dumper Operator, Male, 50 Years

While a 35-tonne capacity BEML Dumper loaded with coal was being driven in opencast working, it rolled back & got toppled and its operator got trapped inside the cabing inflicting serious bodily injuries which proved fatal after few hours.

Had the dumper been driven carefully and the brakes of the dumper been applied by the dumper operator to prevent uncontrolled backward movement of the dumper, thus not endangering his life as required by the provisions under Regulation 190 of CMR, 1957, this accident could have been averted.

31. Date - 14/06/12

Mine - DIPKA MINE NO. IA

Time - 21. 50

Owner - South Eastern Coalfields Ltd.

Dist. - Korba, State - Chhattisgarh

Person(s) Killed :

- 1. Rajendra Pd. Khatkar, Mining Sirdar, Male, 42 Years

While a dumper was crossing light vehicle road during transportation of coal from stock yard of an opencast coal mine to railway siding, a mining Sirdar on his way to report for duty in inebriated state by motorcycle at high speed hit it on the right side, lost control, fell down with the motorcycle and was run over by the right outer wheel of the dumper inflicting almost instant fatal injuries to him.

Had the mining sirdar not driven the motorcycle in inebriated state at high speed while crossing the haul road and light vehicle road junction, thereby not negligently endangering his own life and safety in contravention of Regulation 190 of the CMR, 1957, this accident could have been averted.

32. Date - 17/06/12  
Time - 6.20

Mine - MUDIDIH  
Owner - Bharat Coking Coal Ltd.  
Dist. - Dhanbad, State - Jharkhand  
Person(s) Killed :

1. Guru Charan Mahato, Truck Driver, Male, 51 Years

While a driver was getting down from a dumper after parking it on a gradient near a coal dump area, the dumper suddenly rolled back and the driver was run over by front right tyre of the dumper on his left leg, which inflicted serious bodily injuries and succumbed to the injuries after five hours during the course of treatment in the hospital.

Had a parking place on level ground was made available by the mine management and the dumper operator applied the parking brakes, the accident could have been averted.

33. Date - 16/07/12  
Time - 12.30

Mine - REHAR U/G MINE  
Owner - South Eastern Coalfields Ltd.  
Dist. - Surguja, State - Chhattisgarh  
Person(s) Killed :

1. Dinanath, Chute Operator, Male, 43 Years

While a chute operator was loading tippers by standing near the operating panel located below the bunker, the conical shape hopper of the bunker dislodged from the welded joint with main bunker and fell over the chute operator inflicting serious bodily injuries to which he succumbed instantaneously.

Had

i) the welded joints of conical hoper portion of bunker been made strong enough to take load of impact loading by providing rivets in addition to welding and

ii) The operator room been kept away from the vicinity of bunker,

this accident could have been averted.

34. Date - 23/07/12  
Time - 9.30

Mine - KAKRI PROJECT  
Owner - Northern Coalfields Ltd.  
Dist. - Sonebhadra, State - Uttar Pradesh  
Person(s) Killed :

1. Rajendra Prasad, Drilling Supervisor, Male, 34 Years

While a 14.7m<sup>3</sup>(cube) carrying capacity empty Volvo tipper-truck was on way to a shovel in a mechanised opencast coal mine, it hit and ran over a drilling-supervisor standing at haul road's edge. The drilling supervisor received serious bodily injuries to which he succumbed almost immediately.

Had the tipper-truck been driven carefully and defensively, thus not negligently endangering life and safety of persons employed in the mine, as called for by clause 26(3)(b) & (c) of Directorate's letter No. JR/010732/Perm/38/2004/2464 dated 25.06.2004 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, and Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

35. Date - 24/07/12

Time - 7.50

Mine - BANSRA

Owner - Eastern Coalfields Ltd.

Dist. - Burdwan, State - West Bengal

Person(s) Killed :

1. Jiten Gorai, E.P. Helper, Male, 58 Years

While an excavation plant helper was driving a loaded dumper, it went off the road and toppled into a pond drowning the E.P. Helper, to which he died soon thereafter.

Had

i) the dumper not been allowed to be operated by a incompetent person not authorized by the Manager as required by Condition No. 14.3 of Annexure -A of the Permission granted under Regulation 98(1)&(3) and 100(1) of the Coal Mines Regulations, 1957 vide this Directorate's letter No. S29020/33/2011/RNI(EZ)/010759/1402 dated 18.10.2011 and

ii) the official, to the best of his power, seen that the persons under his charge understood and carried out their respective duties properly as required under Regulation 40(2) of the Coal Mines Regulations, 1957,

this accident could have been averted.

36. Date - 10/09/12

Time - 7.30

Mine - PIPARWARA PROJECT

Owner - Central Coalfields Ltd.

Dist. - Chatra, State - Jharkhand

Person(s) Killed :

1. Deo Chand Mahato, Contractor Munshi, Male, 45 Years

While a tipper was returning from the pit office/parking to the working place, the tipper went into the drain adjacent to the haul road and got tilted in the course of giving a safe passage to a jeep coming from the opposite side and due to which the Munshi and Mining Sirdar fell down into the drain in the course of jumping out of the driver's cabin of the tipper resulting head injury to Munshi which turned fatal while undergoing treatment in the hospital.

Had

i) the tipper driver not drove the tipper in high speed, in slippery and muddy haul road while giving pass to a jeep coming from opposite side,

ii) Munshi not ridden unauthorisedly in the tipper,

iii) contravening the provisions of Reg. 38 & Reg. 98 of the Coal Mines Regulations, 1957 read with permission letter No. RR/635, dated 11.05.2007,

iv) the Overman, Under Manager and the Manager not performed their duties improperly

contravening the provisions of Reg. 43, Reg. 40, Reg. 42 of Coal Mines Regulations, 1957 read with permission letter No. RR/635, dated 11.05.2007 and Section 18(5) of the Mines Act, 1952,

this accident could have been averted.

37. Date - 05/10/12  
Time - 5.30

Mine - DIPKA MINE NO. IA  
Owner - South Eastern Coalfields Ltd.  
Dist. - Korba, State - Chhattisgarh  
Person(s) Killed :

1. Ajay Kr. Rathore, Contract Worker, Male, 32 Years

While a worker deployed by a contractor was crossing haul road at an overburden bench in an opencast coal mine, he was run over by front wheel of an empty tipper suddenly turned towards north without any indication inflicting serious bodily injuries to which he succumbed within half an hour or so on way to hospital.

Had

- i) the tipper been driven defensively for placement at an excavator ensuring the safety of the persons employed on a bench as per the condition No. 21.3(a) of Annexure-I enclosed with permission letter No. 564 dated 28.02.11 granted under Reg. 98(1) & 98(3) of CMR, 1957 read with Reg. 38(1) (a) of CMR, 1957 and
- ii) the tipper not been diverted suddenly to another excavator thus not negligently omitting to ensure the safety of the persons employed on bench as required under Reg. 190 read with Reg. 40(1) of CMR, 1957

this accident could have been averted.

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

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38. Date - 28/01/12  
Time - 23.00

Mine - PARBATPUR COLLIERY  
Owner - M/S Electrosteel Castings Limited  
Dist. - Bokaro, State - Jharkhand  
Person(s) Killed :

1. Makinder Pandit, Helper, Male, 34 Years

While a tractor was being driven on up gradient of a haul road, it rolled back and toppled trapping the driver underneath inflicting serious bodily injuries which proved fatal after few hours.

Had the tractor not been allowed to be driven unauthorisedly by a person not possessing the valid driving license as required by condition No. 26.3 of the letter No. R3/ECL/P-11/10/Perm./2010/2180 dated 13.12.2010 vide which the permission under Regulations, 98(1), 98(3), 168(1), 165(5), 170(1A) & 170(1B) of the Coal Mines Regulations, 1957 was granted, this accident could have been averted.

39. Date - 29/03/12  
Time - 14.30

Mine - PARBATPUR COLLIERY  
Owner - M/S Electrosteel Castings Limited  
Dist. - Bokaro, State - Jharkhand  
Person(s) Killed :

1. Shaktipada Bhatt Roy, Munshi, Male, 27 Years

While a munshi (supervisor) employed in a mine attempted to board a tanker trolley pulled by tractor which had slowed down on being indicated by him to stop, the driver of the tractor tanker which was traveling to collect water from loading point in premises of that coal mine accelerated

the tractor causing the munshi to lose his balance who fell down and was run over by wheel of the trolley receiving serious bodily injury to which he succumbed on way to hospital.

Had

i) the munshi not attempted to board the tanker trolley when it was in motion, thus not negligently endangered his own safety as required under Regulation 190 of the Coal Mines Regulations, 1957, and

ii) the driver stopped the tractor completely when person had indicated to him to do so and not accelerated when the person was attempting to board the tanker trolley attached to it, thus not negligently endangered safety of person employed in the mine as required under Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

40. Date - 15/05/12

Mine - JAMUNIA OCP

Time - 1.30

Owner - Bharat Coking Coal Ltd.

Dist. - Dhanbad, State - Jharkhand

Person(s) Killed :

1. Md. Quasim Siddiquee, Dozer Mechanic, Male, 22 Years

While a diesel tanker was being reversed unauthorisedly by a supervisor on duty, it ran over the two persons sleeping on a cot in front of a rest room in the camp situated in the premises of an opencast coal mine, causing instantaneous death to one of them.

Had

i) the diesel tanker not been parked in the residential camp and the tanker not been driven by supervisor unauthorisedly thus not negligently endangered the life of the person in its vicinity, as required under the provisions of Reg. 190 read with Reg. 39(C) of the Coal Mines Regulations, 1957,

ii) the detailed Traffic Rule been framed, assigning the proper parking place of diesel tankers and been adopted ensuring the parking of tankers at assigned parking place by the mine management and contractor, as required under the condition No. 19(3)(C) of schedule-I of the permission granted vide letter No. R-3/010373/P-13-2001/1187 dated 02.08.2001 under Regulation 98(1), (3) of Coal Mines Regulations, 1957 read with DGMS Circular Tech. 1/1989,

this accident could have been averted.

41. Date - 25/09/12

Mine - KUSMUNDA OCP

Time - 12.05

Owner - South Eastern Coalfields Ltd.

Dist. - Korba, State - Chhattisgarh

Person(s) Killed :

1. Vinod Kumar, Mech. Fitter, Male, 47 Years

While a mechanical fitter reached suddenly very close to a moving truck and attempted to ride the moving truck on the haul road of an opencast coal mine, he was hit by the side of truck, fell down on the ground inflicting head injury to which he succumbed almost instantly.

Had

i) the deceased not endangered himself by suddenly reaching very close to a moving truck and thus not negligently omitted to ensure his own safety as required under Regulation 190 also read with Regulation 38(1) (a) of CMR, 1957 and

ii) the co-worker paid adequate attention during driving and ensured that no one was present in close proximity of moving truck and thus negligently not omitted to ensure safety of the person in accordance with the provision of Regulation 190 also read with Regulation 38(1) (a) of CMR, 1957,

this accident could have been averted.

42. Date – 13/11/12

Mine – SRIRAMPUR OCP-I

Time – 15.00

Owner – Singareni Collieries Company Ltd.

Dist. – Adilabad, State – Andhra Pradesh

Person(s) Killed :

1. Ch. Satish, Private Lorry Driver, Male, 34 Years

While a lorry driver trying to climb from left side of another moving lorry in coal dispatch area of an opencast coal mine, suddenly slipped, fell down and crushed under rear tyre of the lorry, causing injuries to which he succumbed few hours later.

Had

i) the proper supervision provided for the operations connected with dispatch of coal from the mine and for providing safety and proper discipline of persons employed in the said operations as was required under Regulation 36(1) & 37(1) of the Coal Mines Regulations, 1957 and recommendations of VIII Conference of Safety in Mines,

ii) proper safe code of practice been enforced for movement of tippers lorries deployed in transport of coal, thus not negligently omitting to do what was necessary for the life and safety of persons employed in such operations as was required under Regulation 190 of Coal Mines Regulations, 1957,

iii) not tried to climb into the cabin of the lorry in motion willfully & negligently contravening the provision of Regulation 190 of the Coal Mines Regulations, 1957,

iv) the workers engaged in coal transport been imparted General Vocational Training as provided under Rule 6(1) of Mine Vocational Training Rule, 1966,

this accident could have been averted.

43. Date – 20/11/12

Mine – KHAIRAGURA OC

Time – 20.15

Owner – Singareni Collieries Company Ltd.

Dist. – Adilabad, State – Andhra Pradesh

Person(s) Killed :

1. Singham Krishna Goud, Lorry Driver, Male, 34 Years

While a lorry driver engaged for transporting coal, tried to board into the cabin of a moving lorry in coal dispatch area of an opencast mine, he slipped, fell down and crushed under the tyres of the same lorry, causing injuries to which he succumbed almost instantly.

Had

- i) the separate competent supervisor been appointed to secure personnel supervision of operations connected with dispatch of coal from the mine and for providing safety and proper discipline of persons employed in the said operations as was required under Regulation 36(1) & 37(1) of the Coal Mines Regulations, 1957 and recommendation of VIII Conference of Safety in Mines,
  - ii) proper safe code of practice which was framed been enforced for movement of tippers/lorries deployed in transport of coal, thus not negligently omitting to do what was necessary for the life and safety of persons employed in such operations as was required under Regulation 190 of Coal Mines Regulations, 1957,
  - iii) Not tried to climb into the cabin of the lorry in motion willfully & negligently contravening the provisions of Regulation 190 of the Coal Mines Regulations, 1957,
  - iv) the worker engaged in coal transport ben imparted training as provided under Rule 6(1) of Mine Vocational Training Rule, 1956,

this accident could have been averted.

**Code : 0400      Machinery Other than Transp. Machinery**

## **Code : 0441      Drilling Machines ( 2 Deaths)**

44. Date - 21/01/12 Mine - PRAKASHAM KHANI OPENCAST MINE  
Time - 6.00 Owner - Singareni Collieries Company Ltd  
Dist. - Khammam, State - Andhra Pradesh  
Person(s) Killed :

1. M. Bheema, Drill Helper, Male, 19 Years  
While a person was crossing behind the truck mounted drill machine, he was caught between a stone boulder and drill machine causing serious bodily injuries to his neck by operating levers to which he succumbed while en route to hospital.

Had the person transporting the drill machine ensured clear vision & does not negligently & willfully moved the truck mounted drill machine on an uneven ground as required under Regulation 190 of CMBR 1957 this accident could have been averted.

45. Date - 24/03/12 Mine - RAMAGUNDAM OC-I  
Time - 6.20 Owner - Singareni Collieries Company Ltd.  
Dist. - Karimnagar, State - Andhra Pradesh  
Person(s) Killed :  
1. Bandari Yadagiri Gov Maz Male 52

I. Bandari Radagiri, Gen. Maz., Male, 32 years  
While a work person coming down from the drill rig after filling diesel in it, he slipped and fell down on ground from a height of 2.10m. resulting spinal injuries and died at hospital after 21 days of treatment.

Had, the person been careful and negligently and or willfully not omitted his own safety by falling down from the drill rig as required under the provision of Regulation 190 of the CMR, 1957, this accident could have been averted

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**Code : 0442      Cutting Machines  
( 1 Death)**

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46. Date – 17/01/12                            Mine – JHANJHRA 1&2 INCLINE  
Time – 9.10                                        Owner – Eastern Coalfields Ltd.  
    Dist. – Burdwan, State – West Bengal  
Person(s) Killed :

1. Chottelal Nonia, Road Helper Crew, Male, 44 Years

While a road header was being reversed in a development heading by a helper another person came in close proximity of the machine and got hit by the cutter boom receiving serious bodily injuries to which he succumbed almost instantly.

Had the machine not been operated negligently when another person is present in close proximity of the machine, as required by Regulation 190 of the Coal Mines Regulations, 1957, the accident could have been averted.

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**Code : 0443      Loading Machines  
( 4 Deaths)**

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47. Date – 10/06/12                            Mine – DUDHICHUA PROJECT  
Time – 9.15                                        Owner – Northern Coalfields Ltd.  
    Dist. – Singrauli, State – Madhya Pradesh  
Person(s) Killed :

1. Roshan Lal Soni, Loader Operator, Male, 30 Years

While a pay loader's engine was started and accelerated by a mechanic for testing purposes after carrying out repairs on it in the mine's workshop, the pay-loader moved inadvertently in reverse direction, entrapping the pay-loader operator standing in its close proximity between the pay-loader's counterweight and a breakdown road-grader. The pay-loader operator received serious bodily injuries to which he succumbed after about 20 hours whilst undergoing treatment in the hospital.

Had

- i) the pay-loader's safety devices like "neutral start switch" and "parking brake" been maintained in proper and safe working condition to prevent its inadvertent movement during repairs/testing, as called for by the provisions of Regulation 182 and clause 5 of Directorate's Letter NO. 7025 dated 14.06.1982, granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DGMS Circular NO. Tech 3 of 1981 and
- ii) it been ensured before starting the engine of the pay-loader that its wheels were mechanically blocked by stop blocks or otherwise to prevent its inadvertent movement, and that none was in close proximity of the pay-loader as to be endangered by its inadvertent movement, thus negligently omitting to ensure life and safety of persons employed in the workshop, as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

48. Date - 15/09/12  
Time - 12.30

Mine - MATHANI U/G PROJECT  
Owner - Western Coalfields Ltd.  
Dist. - Chhindwara, State - Madhya Pradesh  
Person(s) Killed :

1. Rajendra Prasad, LHD Operator, Male, 43 Years

While a low height LHD (Load Haul Dump) machine was being reversed in a development district of an underground coal mine, the operator leaned out of the canopy area to get clear vision and in a bid to do so his head hit against the side of pillar inflicting severe crush injuries to which he succumbed after about 20 hours in the hospital.

Had

i) it been ensured that the gallery at 23 level between 9 dip & 10 dip, where the LHD was plying, was straight and without protrusions in the sides of the coal pillars thereby enabling the LHD operator to maintain clearance between the side of pillars and that of LHD, thus not negligently omitting to ensure the safety of LHD operator as required under Regulation 190 of the Coal Mines Regulations, 1957 and

ii) a code of practice for the persons engaged for the installation, operation and maintenance of LHD machine as well as for prevention of accidents been framed and persons were engaged in accordance with code of practice as required under Regulation 181(3) read with DGMS approval letter No. 321/1054/EHQ dated 09.09.1994 and letter No. 321/3184/EHQ dated 30.12.2009 granting approval for Load Haul Dump machine, model-811,

this accident could have been averted.

49. Date - 28/09/12  
Time - 10.20

Mine - KALYAN KHANI NO. 1  
Owner - Singareni Collieries Company Ltd.  
Dist. - Adilabad, State - Andhra Pradesh  
Person(s) Killed :

1. Pulgam Mallaiah, General Mazdoor, Male, 49 Years

While a general mazdoor, working as tub pusher was reversing the SDL to load coal into tub in depillaring panel in an underground coal mine, his head along with neck was suddenly caught in between loaded tub and SDL machine, inflicting serious bodily injuries which proved fatal instantly.

Had, the power been cut off from the SDL and key of the SDL been kept under the possession of the SDL operator, while leaving the SDL, contravening the provisions of Regulation 55(5) and Regulation 38(1)(a) of the Coal Mines Regulations, 1957, read with condition No. A(10) of the code of practices to operate the SDK framed by the manager of the mine respectively, this accident could have been averted.

50. Date - 02/11/12  
Time - 13.25

Mine - CENTRAL KAJORA  
Owner - Eastern Coalfields Ltd.  
Dist. - Burdwan, State - West Bengal  
Person(s) Killed :

1. Sadai Bouri, Contractor Worker, Male, 52 Years

While a LHD machine was moving with loaded bucket towards unloading point in a depillaring district, it hit a contractor's worker, inflicting serious injuries to which he succumbed on the spot.

Had persons from the vicinity of the machine were removed before advancing the machine and thus not negligently omitted to do something necessary for the safety of the persons employed in the mine, as required under Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

**Code : 0448      Other Heavy Earth Moving Machinery  
                        ( 6 Deaths)**

51. Date - 13/01/12 Mine - KATHARA  
Time - 14.20 Owner - Central Coalfields Ltd.  
Dist. - Bokaro, State - Jharkhand  
Person(s) Killed :

1. Duryodhan Mahali, EP Helper, Male, 42 Years

While an EP helper was adjusting the set screw of unloader valve of a motor grader by standing on the middle wheel the battery box, the ignition of the motor grader was switched ON resulting into its sudden forward movement causing fall of EP Helper under the wheel, who was run over and sustained serious bodily injuries which proved fatal after some time.

Had the motor grader not been over accelerated and allowed to run uncontrolled while its unloader valve screw was being adjusted and thereby, negligently the safety of EP Helper not been endangered in contravention of provisions of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

52. Date - 06/06/12 Mine - SONEPUR BAZARI PROJ. (KUMARKHALA O. C. P)  
Time - 3.30 Owner - Eastern Coalfields Ltd.  
Dist. - Burdwan, State - West Bengal  
Person(s) Killed :

1. Sukhijeeban Singh, Dozer Operator, Male, 23 Years

While a dozer was being operated near the edge of OB dump, the operator apparently lost control over it and might have jumped from the dozer in an attempt to save himself but got trapped beneath the crawler chain of moving dozer to which he received serious bodily injuries and died almost instantly.

Had the Dumping area been supervised as required under Regulation 113 of CMR, 1957 and code of practice for safe dozing operation near edge was implemented as per condition 8.8 of permission letter No. S3/010807/Perm. 98(1), 98(3), 95(A), 168(5), 105 and 126/2010/1073, dated 18.05.2010 and the permission letter No. S3/010807/Perm. 98(1) & (3)/2011/1457 dated 02.06.2011 and letter No. S3/010807/Perm. 98(1) & (3)/2012/543 dated 05.03.2012 as required under Regulation 98 of CMR, 1957 this accident could have been averted.

53. Date - 15/06/12 Mine - AMADAND OPEN CAST MINE  
Time - 1.30 Owner - M/S Sarda Energy & Minerals Ltd.  
Dist. - Anuppur, State - Madhya Pradesh  
Person(s) Killed :

1. Bhagwati Kr. Singh, Contract Worker, Male, 23 Years

While the blade of a dozer was being lowered to the ground for parking the same adjacent to a haul road of an opencast coal mine, it pressed against the chest of a person sleeping there, causing injuries that proved fatal instantly.

Had

- i) the blade of the dozer not been lowered negligently thus endangering the life in a mine as required under the provisions of Regulation 190 read with Regulation 38(1)(a) of the Coal Mines Regulations, 1957 and
- ii) the person not slept whilst on duty thus endangering life in a mine as required under the provisions of Regulation 190 read with Regulation 38(6) of the Coal Mines Regulations, 1957,

this accident could have been averted.

54. Date - 17/09/12 Mine - NEYVELI NO 2  
Time - 9.55 Owner - Neyveli Lignite Corporation Ltd.  
Dist. - Cuddalore, State - Tamil Nadu  
Person(s) Killed :  
1. G. Jagarajan, IW GR-I, Male, 44 Years

When an operator of a Mobile Transfer Conveyor entered beneath the undercarriage of a working Bucket Wheel Excavator at a overburden bench, during his rest interval; he was caught below rear steering track of the machine during its backward movement, inflicting serious bodily injuries to which he succumbed instantly.

Had the person not entered beneath the undercarriage of the Bucket Wheel Excavator, which was in operation, thus negligently not done something likely to endanger his own life, as required under Regulation 190 read with Regulation 38 of the Coal Mines Regulations, 1957,

this accident could have been averted.

55. Date - 27/10/12 Mine - GHUGHUS OC  
Time - 11.45 Owner - Western Coalfields Ltd.  
Dist. - Chandrapur, State - Maharashtra  
Person(s) Killed :  
1. S. B. Revaskar, Asst. Foreman, Male

A 14m long electric pole, resting with other steel materials on the ground by the side of a road, was stuck up underneath a girder and while it was being raised and lowered by a crane-repeatedly for making it free, the pole suddenly got released and rotated uncontrollably hitting one supervisor at the spot who succumbed to his injuries within a period of five hours.

Had the supervisor not rushed into the operating area of the crane thus endangering his own life and had the crane operator/co-worker ensured that nobody was within the operating area of the crane for securing safety of the persons employed therein as required under Reg. 190 of the Coal Mines Regulations, 1957, the accident could have been averted.

56. Date - 24/12/12 Mine - NEYVELI NO 2  
Time - 15. 10 Owner - Neyveli Lignite Corporation Ltd.  
Dist. - Cuddalore, State - Tamil Nadu  
Person(s) Killed :

1. C. Venkatesan, Dozer Operator (Cont.), Male, 39 Years

While a dozer engaged for widening & strengthening of an old earthen bund at ground level, it was unauthorisedly driven to the top of the bund and it got toppled down on other side to a depth of

4m, trapping the operator beneath canopy of the dozer, inflicting serious bodily injuries to which he succumbed instantly.

Had

i) the operator unwarrantedly and negligently not driven the dozer to the top of the old earthen bund, thus not done something likely to endanger his own life, as required under Regulation 190 of the Coal Mines Regulations, 1957, and

ii) not interfered with the work of his co-worker and not been taken control of the dozer forcefully from him without permission of superior official as required by Regulation 38(1)(b) and Regulation 39(c) of the Coal Mines Regulations, 1957,

this accident could have been averted.

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**Code : 0449      Other Non-Transportation Machinery  
( 1 Death)**

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57. Date – 29/02/12  
Time – 16.05

Mine – BALRAMPUR 10&12 INCLINES  
Owner – South Eastern Coalfields Ltd.  
Dist. – Surguja, State – Chhattisgarh  
Person(s) Killed :

1. Brajesh, Power Support Operator, Male, 42 Years

While a Powered Support was being raised in a shortwall face, the head of a powered support operator was caught between the canopy of a rising powered support and the adjoining powered support. During the process the upper part of his scalp was detached from the head which crushed between two canopies and the body was thrown out on to the cable through. The operator succumbed instantaneously.

"Misadventure"

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**Code : 0500      Explosives**

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**Code : 0551      Solid Blasting Projectiles  
( 1 Death)**

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58. Date – 08/06/12  
Time – 18.00

Mine – TAWA  
Owner – Western Coalfields Ltd.  
Dist. – Betul, State – Madhya Pradesh  
Person(s) Killed :

1. Bhojraj, General Mazdoor, Male, 25 Years

While 12 shots were being fired electrically in a development face in an underground coal mine, the projectiles released due to the solid blasting hit a blasting assistant who was present at the face. He received serious bodily injuries to which he succumbed almost instantaneously.

Had it been ensured that all persons including blasting assistants have taken proper shelter before the shots were fired in accordance with Regulation 170 of CMR, 1957, this accident could have been averted.

**Code : 0552      Deep Hole Blasting Projectiles  
                  ( 1 Death)**

59. Date - 21/09/12 Mine - BINA PROJECT  
Time - 13.30 Owner - Northern Coalfields Ltd.  
Dist. - Sonebhadra, State - Uttar Pradesh  
Person(s) Killed :  
1. Rajesh Kr. Singh, Security Guard, Male, 35 Years

While the debris generated from a deep hole blasting conducted on OB bench fell into a intermediate sump and generated the splash of water, it swept away a security guard present near the CGI shelter situated at a distance of about 80m from the place of blasting. The security guard received serious bodily injuries to which he succumbed almost immediately.

Had the shots been fired after ensuring that all the persons within the area have proper shelter, thus not negligently endangering life and safety of persons employed in the mine, as called for by clause 15(3)(b) of Directorate's letter No. DMS/WZ/S/77/65/3507 dated 22.08.1977 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, and Regulation 170(1A)(a) of the Coal Mines Regulations, 1957, this accident could have been averted.

**Code : 0555 Misfires/Sockets(While Drilling into)  
( 1 Death)**

60. Date - 31/10/12 Mine - PARBATPUR COLLIERY  
Time - 13.30 Owner - M/S Electrosteel Castings Limited  
  
Dist. - Bokaro, State - Jharkhand  
Person(s) Killed :  
1. Bankim Bauri, Driller, Male, 28 Years

While a group of three workmen was drilling shot holes in the stone floor of an incline being driven in a coal mine, the drill rod came in contact with misfired charge of explosive of previous round of shots causing an explosion resulting in serious injuries to two drillers by flying fragments of stone, one of whom succumbed to injuries on way to the hospital.

Had all loose rock been removed and the area thoroughly cleaned or washed with water and carefully examined for presence of misfires or sockets before drilling holes in the floor for next round of shots as required by Regulation 178 of the Coal Mines Regulations, 1957 this accident could have been averted.

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**Code : 0600      Electricity**

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**Code : 0661      Overhead Lines  
( 1 Death)**

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61. Date – 24/11/12

Mine – TIPONG

Time – 8.00

Owner – North Eastern Coalfields

Dist. – Tinsukia, State – Assam

Person(s) Killed :

1. Pitambar Sharma, General Mazdoor, Male, 42 Years

While a general mazdoor attempted some repair work on a live 3.3KV overhead line without making it dead by discharging and earthing the line, got electrocuted and fell down from a height of about 6.5 mtrs.

Had adequate precautions been taken by not handling the live electrical apparatus in a manner so as to risk the safety of human being as required under Regulation 19(1), 19(2) and 19(3) of Central Electricity Authority (Measures relating to safety and electric supply) Regulations, 2010, this accident could have been averted.

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**Code : 0669      Other Electrical Accidents  
( 2 Deaths)**

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62. Date – 03/04/12

Mine – DHANPURI UG MINE

Time – 12.10

Owner – South Eastern Coalfields Ltd.

Dist. – Shahdol, State – Madhya Pradesh

Person(s) Killed :

1. Bahori, Loader, Male, 58 Years

While a colliery miner was pulling one end of a piece of steel wire rope fastened with a SDL machine, to couple it with another piece of steel wire rope fastened with a coal tub set, as soon as, he touched the steel wire rope attached with coal tub set, simultaneously holding the steel wire rope attached with SDL machine, he was electrocuted inflicting almost instant fatal injuries to him.

Had the earth fault protection incorporated with Gate-end-box of SDL machine, been maintained in safe working order so as to disconnect power supply automatically from the Gate end box on occurrence of earth fault current, as required under Regulation 100(1) of CEA(MRS & ES) Regulation, 2010, this accident could have been averted.

63. Date – 10/05/12

Mine – MAHAN-II

Time – 21.10

Owner – South Eastern Coalfields Ltd.

Dist. – Surguja, State – Chhattisgarh

Person(s) Killed :

1. Mangal Yadav, Contract Mazdoor, Male, 22 Years

While a contractor worker driving a tipper unauthorisedly, in raised body condition hit the 440V live overhead line and while he was trying to climb down from the already electrically charged tipper (charged due to residual current), came in to contact with the earth and received electric shock which proved fatal immediately.

Had

- i) the precautions been taken to restrict the entry of unauthorised vehicle and unauthorised person to run the vehicle in the mine area and
  - ii) adequate precaution been taken to prevent the running of vehicle in raised body condition, this accident could have been prevented.

**Code : 0700      Dust, Gas & Other Combustible Material**

## **Code : 0771      Occurrence of Gas ( 2 Deaths)**

64. Date - 09/03/12 Mine - RAVINDRA KHANI NO. 1A  
Time - 13.00 Owner - Singareni Collieries Company Ltd.  
Dist. - Adilabad, State - Andhra Pradesh  
Person(s) Killed :

1. Gummadi Bapu, General Mazdoor, Male, 52 Years
  2. Sallam Raja Sekhar, General Mazdoor, Male, 46 Years

While two general mazdoors were engaged to collect air samples of a sealed off caved panel, in a coal mine through the sampling pipe provided in the isolation stopping, they entered in a dip gallery having atmosphere deficient in oxygen and recovered dead after about 10 hours.

Had

- i) the adequate ventilation been ensured as required under the provision of Regulation 130(2)(ii) of the Coal Mines Regulations, 1957,
  - ii) the leakage of carbon dioxide from sealed panel No. 2S-20A in No.2 seam been arrested by providing proper water seal at the isolation stopping at 3 dip off 8 level, as required under the provisions of Regulation 122(4)(a) of the Coal Mines Regulations, 1957, and
  - iii) the inspection was made with flame safety lamp prior to the occurrence of the accident at 3 dip off 8 level south to ascertain the condition with regard to ventilation and deficiencies of oxygen at 3 dip off 8 level south, as required under the provisions of the Regulation 113(3)(b) & (c) of the Coal Mines Regulations, 1957.

this accident could have been averted.

65. Date – 01/05/12

Mine – JEENAGORA

Time – 15.40

Owner – Bharat Coking Coal Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Parmanand Singh, Fitter, Male, 38 Years

While welding of rock pin of cap of diesel tank of a mobile service van was being done with its fuel removed by siphoning off with a rubber tube and filler with water up to half of the tank, suddenly an explosion occurred inside the diesel tank and the resulting products of explosion came out with force and high temperature inflicting burn injuries on the fitter standing near by to which he succumbed in the hospital after 11 days.

Had the diesel fuel from the tank been completely taken out and completely filled it with water thus making the contents of diesel tank non-inflammable and non-explosive before undertaking welding work as required under Section 37(4) of the Factories Act, 1948 read with Section 86 of the Mines Act, 1952, this accident could have been averted.

66. Date – 16/09/12

Mine – HINDUSTAN LALPETH OC

Time – 11.20

Owner – Western Coalfields Ltd.

Dist. – Chandrapur, State – Maharashtra

Person(s) Killed :

1. Rajkumar A. Bajpai, Shovel Operator, Male, 52 Years
2. Anoop Kr. Verma, Manager, Male, 53 Years

While a shovel was deployed at the toe of a 28m high pillar on fire in an opencast working, the loose material of pillar suddenly滑ed, liberating a huge cloud of hot dust and smoke engulfing the surrounding, causing death of the operator inside the cabin due to asphyxia,. The manager, dumper operator and a cableman present nearby received severe burn injuries to which the manager succumbed within three and half hours on the way to hospital. The dumper operator and the cableman after sustained treatment were released from hospital after twenty seven and thirty days respectively.

Had

i) the soft overburden been removed by a back hoe shovel with not more than 5m high bench and the quarry operations were carried out from top downwards as provided in clauses 2.1.1 and 2.2.1 of the Annexure-A of premission granted vide this Directorate's letter No. 2784 dated 18-10-2000 under Regulation 98(1)&(3) and 126(2) of the Coal Mines Regulations, 1957 and;

ii) site specific code of practice for fire-fighting were framed to protect persons from asphyxiating gases and ejected hot material thereby negligently omitting to ensure the safety of work persons as required under Regulation 119(2)(b) read with Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

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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  
( 8 Deaths)**

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67. Date – 24/01/12

Time – 19.45

Mine – AMLOHRI OCP

Owner – Northern Coalfields Ltd.

Dist. – Singrauli, State – Madhya Pradesh

Person(s) Killed :

1. Ashok Oraon, Mazdoor (Contract), Male, 24 Years

While a contractual worker was working at the first platform of a CHP silo under construction, he fell through an opening provided in the platform from a height of about 9.7m to receive serious bodily injuries to which he expired whilst on way to hospital.

Had none been permitted to work at any place from where he is likely to slip or overbalance to fall more than 1.8m, unless protected by guard rails or fence or otherwise, or secured by a safety belt/full body harness suitably fixed and sufficiently strong to prevent him from falling, and a code of safe procedure been framed and implemented for ensuring life and safety of workers deployed to work at height, as called for by the provisions of Regulation 115(4) of the Coal Mines Regulation, 1957, read with DGMS Circular No. Tech. 3 of 2006, this accident could have been averted.

68. Date – 11/02/12

Time – 5.45

Mine – SIMLABAHAL

Owner – Bharat Coking Coal Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Amerika Ram, Loader, Male, 45 Years

While raising and lowering of tubs was in progress from a shaft of an underground coal mine having gates of not self operating type, one of the gate inadvertently remained open, in the process one of the trammers pushed empty tub through that opened gate of shaft when cage was not there at top thereby fell down into the shaft to a depth of about 175.0 meters, who died instantly.

Had

i) suitable, self operating gates or fences been provided at the top of the shaft to effectively close the openings into the shaft at all times when the cage is not at the top as required by Regulation 84(1) and

ii) the banksman closed the gate provided at the entrance into the shaft before signalling the cage to be lowered and seen to it that all gates, provided at top of shaft were in position as required by Regulation 52(1), (k) & (l) of the Coal Mines Regulations, 1957,

this accident could have been averted.

69. Date - 13/02/12  
Time - 11.30

Mine - JAYANT  
Owner - Northern Coalfields Ltd.  
Dist. - Singrauli, State - Madhya Pradesh  
Person(s) Killed :  
1. Markadeva Saket Contract Worker Ma

While two contractual workers were working on a sloping CGI sheet-roof of a workshop for changing old & damaged CGI sheets, one worker fell along with a CGI sheet loosened from its fixtures, from a height of 15.7m. to receive serious bodily injuries, to which he succumbed almost instantaneously.

Had

- i) none been permitted to work at any place from where he is likely to slip or overbalance to fall more than 1.8m, unless on a working platform/scaffold of adequate width duly provided with guard rails or fence, or was secured by a safety belt/full body harness suitably fixed to prevent him from falling, or was protected otherwise; and an appropriate code of safe procedure been framed and implemented, after thoroughly assessing the potential hazards, as to ensure life and safety of workers deployed to work at height, as required by the provisions of Regulation 115(4) of the Coal Mines Regulation, 1957, read with DGMS Circular No. Tech. 3 of 2006 & DGMS Tech. (SOMA) Circular No. 1 dated 04.01.2008 and
  - ii) proper supervision been exercised over the dangerous work being carried on a height by untrained contractual persons, as to ensure their life and safety and proper discipline, as required by the provisions of Regulation 37 of the Coal Mines Regulations, 1957.

this accident could have been averted.

70. Date - 31/03/12  
Time - 4.30

Mine - JAYANT  
Owner - Northern Coalfields Ltd.  
Dist. - Singrauli, State - Madhya Pradesh  
Person(s) Killed :  
1. Chhote Lal, Sr. Mechanic, Male, 59 Years

While a mechanic was attending breakdown in a P & H electric rope shovel by standing on its boom, he fell down from a height of 5.60m to receive serious bodily injuries to which he succumbed after about two hours whilst undergoing treatment at the hospital.

Had none been permitted to work on the boom of the shovel from where he is likely to slip or overbalance to fall more than 1.8m, unless on a working platform/scaffold of adequate width duly provided with guard rails or fence, or was secured by a safety belt/full body harness suitably fixed to prevent him from falling, thus negligently not omitting to ensure life and safety of such person as was required by the provisions of Regulation 190 of the Coal Mines Regulations, 1957, read with DGMS Circular No. Tech. 3 of 2006, this accident could have been averted.

71. Date - 18/04/12  
Time - 14.30

Mine - TRANS DAMODAR COAL MINING PROJECT  
Owner - West Bengal Mineral Development & Trading  
Dist. - Bankura, State - West Bengal  
Person(s) Killed :

1. Imran Sheikh, Mechanic, Male, 24 Years

While a person was climbing up from one bench to the other through the broken strata of the bench in an opencast coal mine, he slipped and fell down from a height of 3.75m inflicting serious bodily injuries to head to which he succumbed after about 20 minutes.

Had the person negligently not endangered his life by climbing from one bench to other through broken strata thereby negligently not omitting his own safety as required under Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

72. Date - 24/05/12  
Time - 12.10

Mine - BAGDIGI  
Owner - Bharat Coking Coal Ltd.  
Dist. - Dhanbad, State - Jharkhand  
Person(s) Killed :

1. Radhey Shyam Paswan, Pump Operator, Male, 57 Years

While a winding engine operator was relaxing in the winding engine room, he heard the sound of falling some object followed by the shouts of Bachao-Bachao from the drum side, he then rushed and found a coal tub cleaner lying in the winding drum trench, 1.5m deep, with serious bodily injuries to which the coal tub cleaner, succumbed next day in a hospital.

Had

i) the coal tub cleaner not entered the winding engine room unauthorised and removed the fence, thus not negligently endangering his life, as required under Regulation 86(1) read with Regulation 38(3)(a) and 190 of the Coal Mines Regulations, 1957,

ii) an efficient fence so designed and constructed as to effectively prevent inadvertent entry of any person and falling into the trench, as required under Regulation 112(2) read with Regulation 190 of the Coal Mines Regulations, 1957,

iii) the winding engine operator not allowed the unauthorised coal tub cleaner into the winding engine room, as required under Regulation 51(4) of the Coal Mines Regulations, 1957,

the accident could have been averted.

73. Date - 29/06/12  
Time - 22.30

Mine - DAMODA  
Owner - Bharat Coking Coal Ltd.  
Dist. - Bokaro, State - Jharkhand  
Person(s) Killed :

1. Ganesh Pd. Singh, Loading Munshi, Male, 51 Years

While a loading munshi was carelessly sitting on the compound wall of dispatch office, at Railway Siding, he lost his balance and fell backward on the ground from a height of 1.3m receiving serious injury on head, to which he succumbed after about 28 days.

Had he not sat carelessly on the high compound wall and thus not negligently endangered his own safety as required under Regulation 190 of the Coal Mines Regulations, 1957, the accident could have been averted.

74. Date – 25/09/12  
Time – 21.50

Mine – RAMAGUNDAM OC-I  
Owner – Singareni Collieries Company Ltd.  
Dist. – Karimnagar, State – Andhra Pradesh  
Person(s) Killed :

1. Showkat Ali, EP. Operator, Male, 48 Years

While a dumper operator was operating due dumper on working OB bench over the underground galleries, a pothole occurred in front of the dumper on haul road and smoke came out, he got down to observe the smoke, during which he sided in to pothole and died.

"Misadventure"

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**Code : 0883      Fall of Objects incl. Rolling Objects  
( 1 Death)**

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75. Date – 18/08/12  
Time – 14.40

Mine – TETULMARI COLLIERY  
Owner – Bharat Coking Coal Ltd.  
Dist. – Dhanbad, State – Jharkhand  
Person(s) Killed :

1. Mahendra Kr. Rajbhar, Shovel Optr., Male, 24 Years

While a shovel operator was loading hot overburden with blazing fire into a dumper from a face of height 8.63m, the overburden dump face suddenly collapsed and hot rolling stones got scattered on the floor and generated a cloud of a hot dust and gases engulfed the operator in the cabin which had defective doors. The suffocated operator jumped outside the cabin over scattered hot materials and he received serious burn injuries to which he succumbed after four days during treatment at hospital.

Had the cabin of the shovel operator was maintained in good operative condition with air-conditioner and the shovel was not allowed to load hot overburden materials with blazing fire from a high bench with overhang as required under condition No. 12.1A(ix), 9.8(ii) and 3.1 of the permission granted vide this Directorate's letter No. DR-1/449 dated 22.02.2011 under Regulation 100(1), 168(5), 170(1B) (a) and relaxation under Regulation 98(1)&(3) of the Coal Mines Regulations, 1957, this accident could have been averted.

<b>Code : 0900</b>	<b>Other Causes</b>
<b>Code : 0991</b>	<b>Irruption of Water ( 2 Deaths)</b>

76. Date – 15/02/12  
Time – 22.30

Mine – RAJUR INCLINE  
Owner – Western Coalfields Ltd.  
Dist. – Yavatmal, State – Maharashtra  
Person(s) Killed :

1. Vijay Sadhu Umare, Cableman, Male, 44 Years

While three member operations crew were marching a loaded SDL away from level face being worked opposite to a known approachable water logged workings of a development district in a colliery, the thin parting of about 0.5m suddenly collapsed leading to gushing in of almost 2.2 lakh gallons of water in to the level gallery drowning one of them at a distance of about 19m from that face, where as the other two could escape unhurt.

Had

- i) proper provision been made to prevent sudden inrush of water from the known approachable water logged workings of the same seam of the mine by dewatering and physically examined the same to be free from water in contravention of Regulation 127(1) of the Coal Mines Regulations, 1957,
- ii) the workings not been extended within a distance of 60m of known waterlogged workings without taking precautions and obtaining permission in contravention of Regulation 127(3) of the Coal Mines Regulations, 1957,

this accident could have been averted.

77. Date – 01/06/12  
Time – 2.00

Mine – PADAMPUR O/C  
Owner – Western Coalfields Ltd.  
Dist. – Chandrapur, State – Maharashtra  
Person(s) Killed :

1. A. H. Kamble, Excavator Operator, Male, 47 Years

While extraction of coal was in progress in a part of an opencast mine, about 30000 cu.m of surface water and muck that was allowed to accumulate at a higher level in an adjoining decoaled area gushed in and inundated the working faces submerging the excavator and capsizing one dumper causing death to the excavator operator who could not escape whereas the dumper operator could somehow managed to escape unhurt.

Had adequate protection against inrush of surface water from higher level was provided and maintained while working in the mine or part thereof as required under Reg. 126(1)(a) of the Coal Mines Regulations, 1957 read with Section 18(4) of the Mines Act, 1952, this accident could have been averted.

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**Code : 0993      Drowning in Water  
( 2 Deaths)**

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78. Date – 28/08/12

Time – 12. 30

Mine – DHORI KHAS

Owner – Central Coalfields Ltd.

Dist. – Bokaro, State – Jharkhand

Person(s) Killed :

1. Prakash Kr. Singh, Asst. Manager, Male, 51 Years

2. Ajay Kant Yadav, Mining Sirdar, Male, 38 Years

While supevising the dressing work in a rising face to be joined with known waterlogged gallery in an underground coal mine, both Mining Sirdar and Assistant Manager were somehow trapped, swept and drowned away by the sudden inrush of water due to collapse of 1.0m thick parting and the dead bodies were recovered after an elapsec of about 6 hours and 32 hours. Luckily, Dresser escaped with reportable injury.

Had the known waterlogged gallery been dewatered and physically inspected to ensure free from accumulation of water before joining the face as required under Regulation 41(9), 42(1) and 127(3) of the Coal Mines Regulations, 1957, this accident could have been averted.

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**Code : 0999      Unclassified  
( 1 Death)**

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79. Date – 16/09/12

Time – 15. 35

Mine – KAPURDI LIGNITE MINE

Owner – M/S Barmer Lignite Mining Co. Ltd.

Dist. – Barmer, State – Rajasthan

Person(s) Killed :

1. Mukesh Kumar Verma, Helper, Male, 23 Years

While a Helper in a tyre repair shop of an opencast mine was inflating a dumper tyre the tyre burst open on its underside and bounced back in the air hitting the Helper on the mouth, left ear and right hand who sustained serious bleeding injuries to which he succumbed on way to a hospital.

Had

i) a tyre arrest been used while inflating the tyre,

ii) another person not been deputed to perform competent person's work without the sanction of superior official and

iii) it been seen that the provisions of the Act and of the Regulations or order made there under relating to the maintenance of machinery been properly carried out,

as required under the provisions of Regulation 39, 39(a) and 50(d) read with DGMS (Tech.) Cir. No. 3 of 1981, this accident could have been averted.

## STATEMENT NO. 5.14

### Details of major accidents in coal Mines (involving 4 or more deaths) during the year 1901-2012

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
1	31/10/01	Tikkak	4	0	Explosions of damp/coal dust
2	20/10/03	No. 3 Pit	5	3	Fall of Coal in working places
3	01/04/06	Upper Ledo	4	0	Suffocation by gases
4	16/06/08	Nadir Khas	20	0	Explosions of fire-damp
5	21/11/08	North Kustore	7	0	Fall of roof
6	25/11/08	North Kustore	8	0	Fall of roof
7	21/12/08	Kanchka	4	0	Inshaft while ascending
8	12/05/09	Dhobidih	4	0	Fall of roof
9	29/05/09	Sodepur	7	0	Fall of roof
10	05/07/09	Sodepur	5	0	Inshaft (falling)
11	07/02/10	Dishergarh	11	0	Explosion of fire-damp
12	10/03/10	Kendwadih	4	0	Fall of roof
13	15/10/10	Sitalpur	12	0	Fall of roof
14	26/10/10	Murulidih	6	0	Irruption of water
15	26/11/10	Namdang	14	4	Explosion of fire-damp
16	09/11/11	Kendwadih	14	0	Explosion of fire-damp
17	19/04/12	Sripur	4	3	Fall of object in shaft
18	11/07/12	phularitand	21	0	Irruption of water
19	02/03/13	Barkui	6	1	Fall of roof
20	28/06/13	Jotejanake	13	0	Irruption of water
21	07/08/13	Jamadoba	7	0	Irruption of Water
22	08/08/13	Bhatdih	7	0	Irruption of water
23	22/10/13	Chowrasi	27	0	Explosion of fire-damp
24	23/10/13	Sodepur No. 9 & 10 pits	4	0	Inshaft(overhanging)
25	24/06/14	Dhobidih	6	0	Fall of Roof
26	31/08/15	Chanda	10	0	Miscellaneous on Surface
27	04/02/16	Bhowra	24	0	Miscellaneous on Surface
28	20/02/16	Sitalpur	6	0	In Shaft(Ascending/Descending)
29	20/07/16	Dishergarh	14	4	Explosion of Fire-damp
30	09/12/16	Jamuria	4	0	Fall of Roof
31	18/11/18	Dishergarh	10	4	Explosion of Fire-damp
32	17/05/19	Bhuggutdih	4	1	Fall of Roof
33	25/09/19	Nodhia	7	0	Fall of Roof
34	12/11/19	Khas Jayrampur	6	1	Fall of Roof
35	24/11/19	Kustore South	14	0	In Shaft(Rope/Chain Breaking)
36	30/01/20	Parbelia	4	0	In Shaft while Ascending/Desce
37	11/05/20	Loyabad	4	0	Fall of Roof
38	04/08/20	Namma	8	0	Irruption of Water
39	29/01/21	East Bagdiggi	5	0	Fall of Side
40	20/02/21	Barkui	4	1	Explosives

**Statement 5.14 (Continued)**

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
41	28/02/21	Amlabad	11	0	Explosion or Fire-damp
42	25/08/21	Seebpore	4	0	Fall of Roof
43	16/09/21	Pandeybera	5	0	Fall of Side
44	09/03/22	Khost	13	3	Explosions
45	29/04/22	Sodepur	8	8	Overwinding
46	05/07/22	Parbelia	4	2	Explosions
47	04/01/23	Parbelia	74	0	Explosion/Ignition of Firedamp
48	25/01/23	Mahakali	8	0	Fall of Side
49	20/02/23	Raniganj	4	1	Fall of Roof
50	26/03/23	Bonbiddin	4	0	Fall of Side
51	14/04/23	Rawanwara	16	1	Fall of Roof
52	01/05/23	Sodepur	9	0	Suffocation of Gases
53	21/06/23	Dhori	7	0	Fall of Side
54	21/12/23	Benahir	5	0	Fall of Roof
55	27/12/23	Jharia Khas	5	0	Fall of Roof
56	28/03/24	Khost	4	0	Fall of Roof
57	05/07/24	Bararee	4	0	Explosives
58	01/11/24	Bagdigi	4	0	Rope/Chain Breaking
59	22/01/25	Raniganj	5	0	Fall of Roof
60	10/09/25	Burra Dhemo	4	0	Shaft (Ascending/Descending)
61	28/01/26	Chanch	5	0	Fall of Roof
62	01/09/26	Bararee	4	0	Fall of Side
63	09/04/28	Mudidih	6	5	Miscellaneous
64	30/10/28	Sripur	4	1	Fall of Roof
65	20/12/28	Bhaskajuri	7	0	Irruption of Water
66	09/04/29	Sripur	4	0	Fall of Roof
67	16/04/29	Sawang	6	3	Explosion of Firedamp
68	20/07/29	Sikdarpur	4	0	Fall of Roof
69	15/10/29	Datla	4	2	Fall of Roof
70	19/11/29	Serampur	5	0	Fall of Roof
71	10/12/29	Lodna	5	1	Fall of Roof
72	24/02/30	Bararee	4	0	Suffocation by Gases
73	08/04/30	Deoli	6	0	Fall of Roof
74	14/10/30	Dishergarh West	6	0	Explosion of Firedamp
75	17/02/31	Nongah	13	3	Explosives
76	24/11/31	Sodepur 9 & 10 Pits	5	1	Fall of Roof
77	09/04/32	Methani	5	2	Explosion/Ignition of Firedamp
78	21/02/34	Porpiapur	6	0	Fall of Roof
79	12/05/34	Seebpur	5	0	Fall of Roof
80	16/07/34	Khas Jharia	6	0	Fall of Roof

**Statement 5.14 (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	16/01/35	Loyabad	11	0	Irruption of Water
82	29/06/35	Bagdigi	19	7	Explosion/Ignition of Firedamp
83	24/07/35	Kurhurbaree	62	14	Explosion/Ignition of Firedamp
84	30/01/36	Loyabad	35	0	Fire/Suffocation by Gases
85	14/07/36	Adjai Second	4	1	Explosion/Ignition of Firedamp
86	13/12/36	Damdot	4	0	Surface Railway/Tramways
87	18/12/36	Poidih	209	0	Explosion/Ignition of Firedamp
88	06/09/38	Dhemo Main	9	0	Fall of Roof
89	05/01/40	Kalithan Gurgaon	4	0	Fall of Roof
90	27/02/40	Manksimula	6	0	Fall of Roof
91	16/04/40	Raneepur	4	1	Explosion/Ignition of Firedamp
92	21/10/40	Bhualbararee	6	5	Fall of Sides
93	04/12/40	Ekra Khas	8	0	Fall of Roof
94	15/12/40	Jitpur	4	0	Fall of Roof
95	28/12/40	Kustore	4	0	Suffocation by Gases
96	24/04/41	Dishergarh West	6	0	Fall of Roof
97	05/05/41	South Bulliari Kendwadih	9	0	Fall of Roof
98	04/08/41	Sodepur 9 & 10 Pits	4	0	Fall of Roof
99	03/12/41	Dhemo Main	4	1	Fall of Sides
100	16/01/42	Kurhurbaree	5	5	Fall of Roof
101	12/02/42	Ghogri-Berkui	4	0	Fall of Roof
102	27/03/42	Seetalpur	4	0	Falling down Shafts
103	06/07/42	Makerwal	14	0	Irruption of Water
104	17/07/42	Pinalgoria	4	0	Irruption of Water
105	27/11/42	Jotejanaki Khas	6	0	Fall of Roof
106	22/02/43	Sodepur 9, 10 & 11 Pits	13	3	Fall of Roof
107	14/04/43	Banksimulla 11 & 12 Pits	5	0	Explosions
108	26/07/43	Ghorawari	7	0	Explosions
109	08/10/43	Jhamuria 7 & 8 Pits	12	1	Sundries Underground
110	04/02/44	Hurriladih	4	1	Fall of Roof
111	10/04/44	Khodo Valley	8	0	Fall of Sides
112	14/06/44	North Brook	4	0	Descending Shaft
113	25/08/44	Bright Jharia	4	0	Fall of Roof
114	07/09/44	Dhemo Main	6	0	Fall of Roof
115	13/03/45	Dhemo Main	4	1	Fall of Sides
116	13/06/45	Banksimula 9 & 10 Pits	8	0	Fall of Sides
117	19/03/46	Begunia	13	0	Explosion/Ignition of Firedamp
118	09/06/46	Malkera-Choitodih	4	0	Overwinding of Shaft
119	04/11/46	Gazlitand	5	0	Fall of Roof
120	20/03/47	Methani	4	1	Fall of Roof

**Statement 5.14 (Continued)**

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
121	23/03/48	Chapui Khas	5	1	Explosions
122	19/05/48	Jamuria A & B Pits	4	0	Fall of Roof
123	08/10/48	Ekra Khas	6	0	Irruption of Water
124	15/12/48	Parbelia	8	2	Haulage
125	27/12/48	Kargali	4	0	Fall of Sides
126	24/10/49	Jamai Datla No. 2	4	0	Breakage of Rope/Chain
127	17/11/49	New Satgram	6	3	Fall of Roof
128	25/02/50	Rana	4	1	Fall of Roof
129	15/04/50	Bhatdee	4	0	Fall of Roof
130	29/08/50	Parbelia	4	0	Fall of Roof
131	04/10/50	Dhori	7	0	Irruption of Water
132	14/01/51	Chinakuri	4	1	In Shaft(Miscellaneous)
133	28/01/51	Ranipur	9	3	Descending Shaft
134	31/05/51	Methani	7	2	Fall of Roof
135	22/08/51	East Bhalgora	4	0	Fall of Roof
136	22/02/52	Dhemo Main	6	0	Fall of Roof
137	19/05/52	Mithapur	4	1	Fall of Sides
138	17/06/52	South East Baraboni Khas	5	4	Miscellaneous Surface
139	12/07/52	Dhemo Main	12	0	Fall of Roof
140	17/09/52	Bhatdee	5	0	Fall of Roof
141	19/11/52	Pure Chirimiri	7	0	Fall of Roof
142	22/01/53	Sonardih	4	0	Fall of Sides
143	15/05/53	Pure Chirimiri	8	1	Fall of Roof
144	05/07/53	Bhulabarree	4	0	Fall of Roof
145	31/07/53	Bejdih	4	0	Fall of Roof
146	05/08/53	Majri	11	0	Irruption of Water
147	23/08/53	Dhemo Main	6	1	Fall of Roof
148	24/08/53	Chinakuri	6	2	Irruption of Water
149	26/09/53	Jhagrakhand	4	0	Fall of Roof
150	30/09/53	Dhemo Main	4	0	Fall of Roof
151	08/01/54	Swang	7	0	Fall of Roof
152	19/01/54	Handiduh	4	0	Fall of Roof
153	14/03/54	Damra	10	0	Explosion/Ignition of Firedamp
154	02/04/54	Kothagudium No. 3 Incline	5	0	Fall of Roof
155	16/06/54	Monoharbalal	4	0	Fall of Roof
156	11/10/54	Loyabad	4	0	Fall of Roof
157	10/12/54	Newton Chikli	63	0	Irruption of Water
158	02/02/55	Model Dharmaband	8	3	Miscellaneous on Surface
159	05/02/55	Amlabad	52	1	Explosion of Inflamable Gas
160	03/06/55	Pootkee	4	0	Fall of Objects in Shafts

**Statement 5.14 (Continued)**

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
161	14/07/55	Kalimati	6	0	Fall of Roof
162	09/09/55	Burradhemeo	4	0	Fall of Roof
163	08/02/56	Bhulabararee	4	1	Fall of Roof
164	13/06/56	Girimint	4	0	Haulage
165	12/09/56	Lodna	4	0	Irruption of Water
166	26/09/56	Binodicutta	4	0	Irruption of Water
167	26/09/56	Burradhemeo	28	0	Irruption of Water
168	19/02/58	Chinakuri 1 & 2 Pits	176	7	Explosions
169	20/02/58	Central Bhowrah	23	0	Irruption of Water
170	09/10/58	North Kujama	8	0	Fall of Roof
171	27/01/59	Saunda II	4	0	Explosion of Inflammable Gas
172	02/03/59	Kurhurbaree	4	0	Outbreak of Fire
173	19/11/59	Sripur 1 & 2 Pits	7	2	Fall of Roof
174	05/01/60	Damua	16	0	Irruption of Water
175	29/05/60	Bachra	5	1	Fall of Roof
176	23/01/61	Jambad Selected	6	0	In Shaft (Miscellaneous)
177	27/02/61	Simlabahal	4	0	Fall of Roof
178	05/03/61	Budroochuck	5	4	Fall of Roof
179	22/04/61	East Kajora	5	1	Fall of Roof
180	06/05/61	Datla West	4	0	Fall of Roof
181	10/06/61	Burragarh	4	0	Fall of Roof
182	08/03/62	Upper Mandra	5	0	Fall of Roof
183	23/03/62	Sarpi Kajora	5	0	Fall of Roof
184	19/07/62	Sitanala	6	1	Fall of Roof
185	24/08/62	South Bulliari	6	0	Fall of Roof
186	15/02/63	Jamuna	6	0	Fall of Sides
187	19/02/63	Jharkhand	4	2	Fall of Sides
188	21/03/63	Jamuria A & B Pits	7	1	Fall of Roof
189	04/06/63	Kargali	8	1	Fall of Sides
190	22/04/65	Kendwadih	6	0	Irruption of Water
191	28/05/65	Dhori	268	9	Explosion of Coal Dust
192	24/07/65	Ena	7	0	Fall of Roof
193	08/11/65	Rajnagar	5	1	Fall of Roof
194	11/01/66	Lower Badjna	5	2	Fall of Roof
195	17/05/66	Katras-Choitodih	8	1	Fall of Roof
196	16/01/67	Gonshadih	4	0	Fall of Roof
197	16/01/67	Laikdih Deep	4	0	Fall of Roof
198	28/09/67	Central Kujama	4	0	Overwinding of Cage
199	11/04/68	West Chirimiri	14	16	Fall of Sides
200	27/09/68	North Salanpur	6	0	Fall of Sides

**Statement 5.14 (Continued)**

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
201	21/11/69	New Satgram	5	3	Fall of Roof
202	06/09/71	Mudidih	4	1	Fall of Roof
203	24/12/71	Kuya & Kuya Khas	4	0	Fall of Roof
204	18/03/73	Noonodih Jitpur	48	13	Explosion/Ignition of Gas/Dust
205	03/05/73	Bhowra South	4	1	Fall of Roof
206	11/01/74	Handiduha	4	3	Fall of Roof
207	11/03/74	Burhar No. 1	7	0	Fall of Roof
208	16/05/74	Parasea	4	1	Fall of Roof
209	31/10/74	Ranipur	4	1	Explosion/Ignition of Gas/Dust
210	10/01/75	Kalyan Khani No. 1	4	0	Fall of Roof
211	28/02/75	Hessalong	6	0	Fall of Sides
212	19/04/75	Churcha	5	0	Fall of Roof
213	14/05/75	Ara	5	0	Fall of Roof
214	27/07/75	Pannandhro Lignite	4	0	Fall of Sides
215	08/08/75	Kessurgarh	11	1	Fall of Roof
216	18/11/75	Silewara	10	1	Irruption of Water
217	27/12/75	Chasnalla	375	0	Irruption of Water
218	28/01/76	Bellampalli 2 Incline	5	0	Fall of Roof
219	05/04/76	Chasnalla	5	0	Irruption of Water
220	18/07/76	Kalyan Khani No. 5	4	1	Fall of Roof
221	16/09/76	Central Saunda	10	0	Irruption of Water
222	04/10/76	Sudamdh Shaft	43	3	Explosion/Ignition of Gas/Dust
223	31/03/78	Tara	5	2	Fall of Roof
224	17/08/78	Industry	4	0	Irruption of Water
225	31/12/78	Prakasam Khani No. 2	6	3	Fall of Roof
226	22/01/79	Baragolai	16	0	Explosion/Ignition of Gas/Dust
227	09/10/79	Bhanora	5	2	Fall of Roof
228	16/11/79	Bankola	4	3	Fall of Roof
229	09/06/80	Jorekuri Palasthalai	4	0	Landslides
230	03/07/80	Gopalichak	4	1	Fall of Roof
231	24/06/81	Jagannath	10	4	Fire
232	16/07/82	Topa	16	4	Fall of Roof
233	14/09/83	Hurriladiah	19	0	Inundation
234	18/09/84	Saunda D West	6	0	Explosives
235	09/06/85	Somagudem 1	6	1	Fall of Roof
236	15/09/85	Patherdih	4	1	Fall of Roof
237	14/10/85	Kalyan Khani No. 5	4	3	Fall of Roof
238	27/03/86	Godavari Khani No. 9	7	0	Explosion/Ignition of Gas/Dust
239	09/04/86	Banki	4	0	Fall of Roof
240	20/04/86	Satpura No. 1	4	1	Fall of Roof

**Statement 5.14 (Continued)**

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
241	26/11/86	Kenduadih	6	0	Fall of Roof
242	25/05/88	North Jhagrakhand	4	0	Fall of Roof
243	18/06/88	Dubeswari	4	0	Fall of Roof
244	30/06/89	South Govindpur	5	2	Fall of Roof
245	13/11/89	Mahabir (R)	6	0	Irruption of Water
246	18/10/90	Dhanpuri Incline	4	1	Fall of Roof
247	19/11/93	Tipong	9	0	Explosion/Ignition of Gas/Dust
248	18/01/94	Mahabir Khani No. 1	4	0	Fall of Roof
249	25/01/94	New Kenda	55	0	Fire
250	05/03/94	Kotma West	6	1	Fall of Roof
251	11/12/94	Bararee/Bhulanbararee	4	0	Other Winding Operation Acc.
252	27/09/95	Gaslitand	64	0	Irruption of Water
253	27/09/95	Katras–Choitodih	4	0	Irruption of Water
254	05/01/96	Kusunda	4	5	Fall of Roof
255	13/11/96	Satgram Incline	4	0	Fall of Roof
256	03/03/97	New Moghla	10	12	Explosion/Ignition of Gas/Dust
257	18/10/97	Sirka U/G	5	0	Fall of Roof
258	09/06/98	Kuju	5	1	Fall of Roof
259	06/07/99	Parascole (West)	5	3	Air Blast
260	06/10/00	Godavari Khani No. IX	5	0	Fall of Roof
261	03/11/00	Dobary	4	1	Fall of Roof
262	24/06/00	Kawdi Open Cast	10	0	Fall of Sides
263	02/02/01	Bagdigi	29	0	Irruption of Water
264	05/03/01	Durgapur Rayatwar i	6	0	Fall of Roof
265	25/01/02	Bankola	4	0	Fall of Object
266	26/02/02	Kalyan Khani No. II	5	1	Fall of Roof
267	28/01/03	Murpar U/G	4	1	Fall of Object
268	16/06/03	Godavari Khani No. 7 LEP	17	0	Irruption of Water
269	17/10/03	Godavari Khani No. 8A	10	2	Fall of Roof
270	22/11/05	Busseriya	4	0	Fall of Roof
271	15/06/05	Central Sounda	14	0	Irruption of Water
272	06/09/06	Bhatdee	50	0	Explosion/Ignition of Gas/Dust
273	12/11/06	Venkatesh Khani No. 7	4	2	Fall of Roof
274	30/11/06	Shyamsundarpur	6	0	Fall of Roof
275	11/05/08	Ledo	5	14	Explosion/Ignition of Gas/Dust
276	12/17/08	Jayant	5	0	Landslides
277	06/05/10	Anjan Hill	15	5	Other explosive accident

## STATEMENT NO. 5.15

### **Particulars of Court of enquiries instituted under the Mines Act to enquire into the accidents in coal mines during the year 1901-2012**

Sl. No.	Date of Accident	Name of Mine & Cause	No. of Persons Killed	Constitution of Court of Enquiry	Assessors				
1	2	3	4	5	6				
S/Shri					S/Shri				
1	07/08/13	Jamadoba (Inundation)	7	Information not readily available.					
2	08/08/13	Bhatdih (Inundation)	7	Information not readily available.					
3	22/10/13	Chowrasi (Explosion)	27	Information not readily available.					
4	04/02/16	Bhowra (Subsidence)	24	Dy. Commissioner	1. Chief Inspector of Mines 2. T. H. Ward, Mining Engineer				
5	20/02/16	Sitalpur (Winding)	6	Collector of Burdwan	1. Chief Inspector of Mines 2. G. C. Lathbury, Mining Engr.				
6	20/07/16	Dishergarh (Explosion)	14	Collector of Burdwan	1. Chief Inspector of Mines 2. G. C. Lathbury, Mining Engr.				
7	18/11/18	Dishergarh (Explosion)	10	Collector of Burdwan	1. Chief Inspector of Mines 2. T. H. Ward, Mining Engineer				
8	24/11/19	Kustore South (Winding)	14	Dy. Commissioner	1. Chief Inspector of Mines 2. A. Wright, Mining Engineer				
9	04/01/23	Parbelia (Explosion)	74	Dy. Commissioner	1. Chief Inspector of Mines 2. Colliery Superintendent				
10	14/04/23	Rawanwara (Fall of Roof)	16	Dy. Commissioner	1. Chief Inspector of Mines				
11	18/01/25	Newton Chikli (Breaking of Rope)	1	Information not readily available.					
12	09/04/28	Mudidih (Subsidence)	6	Addl. Dy. Commissioner	1. Chief Inspector of Mines 2. J. B. Wardlaw, Mining Engr.				
13	20/12/28	Bhaskajuri (Inundation)	7	District Magistrate	1. Chief Inspector of Mines 2. J. Mackie, Mining Engineer				
14	09/04/29	Sripur (Fall of Roof)	4	District Magistrate	1. Chief Inspector of Mines 2. J. B. Wardlaw, Mining Engr. 3. J. Mackie, Mining Engineer				

**Statement 5.15 (continued)**

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
15	14/10/30	Dishergarh West (Explosion)	6	Chief Inspector of Mines	1. Dr. D. Penman, Mining Engr. 2. J. Thomas, Mining Engineer
16	29/06/35	Bagdigi (Explosion)	19	Chief Inspector of Mines	1. Addl. Dy. Commissioner 2. J. B. Wardlaw, Mining Engr.
17	24/07/35	Kurhurbaree (Explosion)	62	Chief Inspector of Mines	1. Dy. Commissioner 2. J. Mackie, Mining Engineer
18	30/01/36	Loyabad (Suffocation by Gases)	35	Commissioner, Chotanagar	1. Inspector of Mines 2. J. Mackie, Mining Engineer 3. B. K. Bose, Mining Engineer
19	18/12/36	Poidih (Explosion)	209	Commissioner, Burdwan Div.	1. Inspector of Mines 2. L. A. Jacobs, Mining Engineer 3. B. K. Bose, Mining Engineer
20	19/03/46	Begunia (Explosion)	13	Commissioner, Burdwan Div.	1. Dy. Chief Insp. of Mines 2. J. K. Dholakai, Mining Engr. 3. A. G. Mackay, Mining Engineer
21	15/05/53	Pure Chirimiri (Fall of Roof)	8	Dy. Commissioner	1. Chief Inspector of Mines 2. R. L. Malviya (Labour) 3. M. S. Dhandha (Management)
22	08/01/54	Swang (Fall of Roof)	7	Dy. Commissioner	1. D. R. Bagrey, Mining Engr. 2. Bindeswari Dubey, M. L. A. 3. Dy. Chief Insp. of Mines
23	10/12/54	Newton Chikli (Inundation)	63	Justice B. R. Sen	1. M. L. Shome, Mining Engineer 2. W. S. Barlingay, M. P.
24	05/02/55	Amlabad (Explosion)	52	Justice B. P. Jamuar	1. M. L. Shome, Mining Engineer 2. N. Das, M. P.
25	26/09/56	Burradhemoo (Inundation)	28	Commissioner, Burdwan	1. Chief Inspector of Mines 2. S. C. Samanta, M. P.
26	19/02/58	Chinakuri 1 & 2 Pits (Explosion)	176	Justice S. N. Guha Roy	1. S. C. Samanta, M. P. 2. Dr. J. W. Whitakar
27	20/02/58	Central Bhowrah (Inundation)	23	T. P. Singh, I. A. S., C. A.	1. B. H. Engineer 2. Jai Pal Singh, M. P.

**Statement 5.15 (Continued)**

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
28	28/05/65	Dhori (Explosion)	268	Justice S. K. Das	1. B. H. Engineer 2. Das Gupta, G. S. I.
29	18/03/73	Noonodih Jitpur (Explosion)	48	R. C. Dutt, I. C. S.	1. Kanti Mehta 2. Lalit Burman 3. Prof. G. B. Mishra 4. M. B. Tawadey
30	08/08/75	Kessurgarh (Fall of Roof)	11	R. C. Dutt, I. C. S.	1. Prof. K. V. Subrahmanyam 2. S. L. Chakravarty 3. R. N. Sharma, M. P. 4. Lalit Burman
31	18/11/75	Silewara (Inundation)	10	P. M. Nayak, I. C. S.	1. V. L. Karwande 2. Prof. G. S. Marwaha 3. S. W. Dhabe 4. S. K. Sanyal
32	27/12/75	Chasnalla (Inundation)	375	Justice U. N. Sinha	1. C. Karunakaran 2. G. S. Marwaha 3. Damodar Pandey, M. P.
33	05/04/76	Chasnalla (Inundation)	5	Justice U. N. Sinha	1. C. Karunakaran 2. G. S. Marwaha 3. Damodar Pandey, M. P.
34	16/09/76	Central Saunda (Inundation)	10	N. P. Dube, I. A. S.	1. Prof. S. S. Saluja 2. S. Das Gupta
35	04/10/76	Sudamdih Shaft (Explosion)	43	H. C. Sarin, I. C. S.	1. S. Bagchi 2. Damodar Pandey, M. P.
36	22/01/79	Baragolai (Explosion)	16	T. S. Sankaran	1. S. Dasgupta 2. H. B. Ghose
37	24/06/81	Jagannath (Miscellaneous)	10	K. Ramamurthy	1. Damodar Pandey 2. H. B. Ghose
38	16/07/82	Topa (Fall of Roof)	16	Justice L. K. Pandey	1. S. Dasgupta 2. H. B. Ghose
39	14/09/83	Huriladih (Inundation)	19	Justice C. T. Dighe	1. K. M. Trivedi 2. G. S. Marwaha

**Statement 5.15 (Continued)**

<b>Sl. No.</b>	<b>Date of Accident</b>	<b>Name of Mine &amp; Cause</b>	<b>No. of Persons Killed</b>	<b>Constitution of Court of Enquiry</b>	<b>Assessors</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
S/Shri					S/Shri
40	13/11/89	Mahabir (Irruption of Water)	6	P. C. Hota	1. B. N. Tiwari 2. A. K. Ghosh
41	25/01/94	New Kenda (Ignition of Gas/Dust)	55	Justice S. Ahmed	1. B. N. Tiwary, AITUC 2. Prof. D. P. Singh, BHU, IT
42	27/09/95	a) Gaslitand (Irruption of Water)	64	Justice S. K. Mukherjee	1. Prof. B. K. Mazumdar, ISM 2. Rajender Singh, INTUC
	26/09/95	b) Bera (Irruption of Water)	3		
	26/09/95	c) South Gobindpur (Irruption of Water)	3		
	27/09/95	d) Katras-Choitodih (Irruption of Water)	4		
43	02/02/01	Bagdigi (Irruption of Water)	29	Justice Gurusharan Sharma	1. Prof. Ravindra Nath, BHU 2. Kamalesh Sahay, CCOKS
44	16/06/03	Godavari Khani No. 7 (LEP) (Irruption of Water)	17	Justice Bilal Nazki	1. A. K. Rudra 2. Kamalesh Sahay
45	17/10/03	Godavari Khani NO. 8A (Fall of Roof)	10	Justice Bilal Nazki	1. A. K. Rudra 2. Kamalesh Sahay
46	15/06/05	Central Sounda (Irruption of Water)	14	Dr. D. P. Shenoy	1. Ravindra Sharma 2. Rajendra Pd. Singh
47	06/09/06	Bhatdee (Ignition of Gas/Dust)	50	P. C. Parakh	1. Ravindra Sharma 2. O. P. Lala
48	06/05/10	Anjan Hill (Ignition of Gas/Dust)	15	Justice P. V. Shetty	1. S. K. Dubey 2. S. Kumar

**SECTION – VI**

**MISCELLANEOUS**

(QUANTITY IN TONNES AND VALUE IN '000 Rs.)

COUNTRY	EXPORT																	
	2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13	
	Qty.	Value	Qty.	Value	Qty.	Value												
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
AFGANISTAN	-	-	-	-	-	-	300	572	-	-	-	-	-	-	-	-	-	-
ALBANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	4061828	
ANGOLA	-	-	-	-	-	-	-	-	-	-	-	-	8	78	-	-	-	-
ARGENTINA	-	-	-	-	-	-	-	-	46000	928752	-	-	-	-	-	-	-	-
AUSTRALIA	-	-	-	-	-	-	-	-	2	91	78325	538005	1	1	-	-	2	16500
AUSTRIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	37176	
BAHARAIN IS	-	-	4669	42648	-	-	-	-	521950	390117	6305	84946	19721	204751	6562	136872	4060	73275184
BANGLADESH	174851	1948898	1679060	2114712	1326040	2621819	1318678	2153755	1293716	2837785	1452821	3567235	1399352	2905555	1217706	3118231	1621635	5774866128
BELGIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	12627	-	
BENIN	-	-	-	-	-	-	-	-	-	-	26	493	-	-	-	-	-	-
BHUTAN	55310	59208	17502	53628	23050	93845	55189	192808	207395	583142	77098	413241	201995	577975	143635	632863	728309	903208864
BRAZIL	130000	763803	38500	385167	37000	250317	45038	735534	192000	4177969	38500	633869	322500	6041575	368500	7737809	139001	2502387502
BRUNEI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	2156770	
BURKINA FASO	-	-	-	-	-	-	-	-	-	-	-	-	37	72	-	-	-	-
CAMEROON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2780	80477	-	
CANADA	24	323	815	1607	-	-	-	-	55	81	1	13	4	10	-	-	-	-
CHILE	-	-	-	-	-	-	19	748	-	-	-	-	-	-	-	-	-	
CHINA P. REP.	-	-	672	569	-	-	4986	5320	-	-	1	6	2301449	7024284	282	1370	-	-
COLOMBIA	-	-	-	-	-	-	14	636	-	-	-	-	-	-	-	-	-	
COTE D IVOIRE	-	-	-	-	-	-	18000	829	4	12	-	-	-	-	-	-	-	
DENMARK	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-	
DOIBOUTI	-	-	-	-	-	-	120197	15581	-	-	-	-	20	531	20	568	61276	
DOMONIC REP.	-	-	-	-	-	-	7	319	-	-	-	-	-	-	-	-	-	
EGYPT A R P	-	-	-	-	70	719	262	263	-	-	-	-	197	3990	141	1984	53	587034
EL SALVADOR	-	-	-	-	-	-	14	680	-	-	-	-	16	344	-	-	50	206296
ETHIOPIA	-	-	-	-	700	926	1000	2825	-	-	-	-	-	-	-	-	40	1338278
FINLAND	-	-	-	-	-	-	-	-	-	-	-	-	38	44	-	-	-	-
FRANCE	-	-	120	636	-	-	-	-	420500	1013804	3	7	33	157	-	-	-	-
GER.FED.REP.	403	965	-	-	-	-	6	12	-	-	2	6	600	389	20	429	121	457287
GHANA	-	-	-	-	218	391	-	-	-	-	-	-	-	47	1203	2	32550	
GEORGIA	-	-	-	-	-	-	-	-	150	781	-	-	-	-	-	-	-	
HONG KONG	-	-	-	-	-	-	-	-	-	-	30	381	-	-	-	-	-	
HUNGERY	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	
INDONESIA	189	735	-	-	45	75	158	3078	-	-	10800	61243	20	738	84	8191	244	8893218
ITALY	-	-	-	-	-	-	30	30	-	-	39980	728982	-	-	-	-	200	8891608
IRAN	-	-	-	-	-	-	-	-	-	5140	6832	121	1923	79999	1678194	1	18751	
IRAQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2369508	
JAPAN	-	-	100000	316173	-	-	-	-	22000	197133	1	1	231557	1865117	20	460	18	543501
JORDAN	-	-	-	-	-	-	-	-	9	83	31	295	-	-	30	706	234	6408921
KAZAKHSTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	255	-	
KENYA	-	-	400	819	279	1134	1009	3482	141	1237	23	216	96	1886	11	37	118	676529
KOREA REP.	20	30	-	-	-	-	12	36	9400	183551	3430	25914	6401	129949	2924	73350	1725	40670709
KUWAIT	154	801	35	122	-	-	43	609	120	275	-	-	-	-	-	2000	42988157	
LEBNON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	125	1513	-	
MALAYSIA	6	12	-	-	-	-	14	495	890	1734	-	-	-	-	34101	571736	82110	1297443465

(QUANTITY IN TONNES AND VALUE IN '000 Rs.)

COUNTRY	EXPORT																	
	2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value								
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-
MALDOVA	-	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-
MAYANMAR	60	895	-	-	-	-	-	-	-	-	60	385	66	1122	-	-	-	-
MAURITIUS	200	447	-	-	-	-	1196	2203	1520	2117	3348	5002	-	-	11	250	-	-
MOROCCO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	320768	-
MOZAMBIQUE	-	-	-	-	-	-	10	10	-	-	-	-	-	-	-	7	228946	-
NAMIBIA	-	-	-	-	-	-	-	-	1960	1927	-	-	-	-	-	-	-	-
NATURAL ZO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	108	366	-	-
NEPAL	196122	29960	298811	530830	466115	502337	289739	547061	278539	533750	792849	741574	680475	1295311	723289	2487083	869999	2684953508
NETHERLAND	17	17	-	-	20	757	-	-	-	-	1	4	19880	357291	1	3	63	2681168
NIGERIA	-	-	-	-	-	-	-	-	-	-	108	532	-	-	42	765	21	560041
N.MARIANA IS.	-	-	-	-	-	-	-	-	-	-	-	-	-	100	213	-	-	-
OMAN	394	538	-	-	-	-	480	1112	3095	5785	2219	5324	7	44	2	55	431	17526762
PAKISTAN IR	72	1021	3318	6831	31	77	28805	153547	9696	74086	17530	278754	5036	109503	25404	630795	71397	521001637
PHILIPPINES	54	202	-	-	-	-	-	-	-	-	1820	11821	-	-	-	-	20	231064
QUATAR	-	-	-	-	-	-	1121	1701	-	-	204	260	-	-	-	-	4	144655
RUSSIA	-	-	-	-	-	-	-	-	-	-	-	-	21	15	-	-	-	-
SAUDI ARAB	51	444	515	5091	-	-	2489	7701	954	15560	339	4943	547	8619	1603	18278	1205	22523972
SENEGAL	-	-	-	-	-	4	21	-	-	-	-	-	-	-	-	-	-	-
SINGAPORE	14	214	-	-	-	-	63	603	200	425	-	-	-	-	-	-	144	2486578
SLOVENIA	-	-	-	-	-	-	-	-	-	-	-	-	-	55	138	-	-	-
SOUTH AFRICA	100000	108061	14	149	609	6092	-	-	182	3506	1833	34809	-	-	328	10065	175	4020080
SPAIN	-	-	-	-	-	-	-	-	-	250	1890	-	-	-	-	-	-	-
SRI LANKA	135	341	120	416	256	784	4070	8197	6599	16622	1459	16210	1253	27860	1272	33903	1787	37084286
SUDAN	-	-	-	-	-	5	134	-	260	1262	-	-	-	-	48	601	-	-
SWITZARLAND	-	-	-	-	-	-	-	-	-	1	1	4	8	-	-	-	-	-
SYRIA	-	-	-	-	-	-	-	-	-	130	2188	-	-	110	2331	-	-	-
TAIWAN	-	-	-	-	-	-	-	-	-	10	14	-	-	-	-	12000	232847400	
TANZANIA REP.	-	-	-	-	1486	5897	1302	3147	-	-	-	-	-	-	-	58	4463609	
THAILAND	-	-	-	-	-	-	-	-	-	960	6098	-	-	60	428	-	-	-
TOGO	-	-	-	-	-	-	-	-	5	15	-	-	-	-	-	-	-	
TURKEY	-	-	-	-	-	-	140	1537	-	-	-	-	79545	1466611	19	422	101	1109989
UGANDA	36065	36065	-	-	-	-	-	-	-	100	168	-	-	-	-	1	5610	-
U.A.E.	21	104	1072	1473	247	1543	52	115	5719	7121	1828	28474	1240	25206	17964	97573	89210	42480260
U.K.	15	281	-	-	-	-	907	1365	-	-	10	26	242	343	1	18	70	3954580
U.S.A.	200	698	134	630	813	2290	1096	2215	500	2533	5007	20277	36052	693186	500	4426	356	38684025
VIETNAM SOC.REP.	-	-	-	-	-	-	952	4071	-	-	7330	44986	-	-	-	-	-	-
ZAMBIA	-	-	-	-	-	-	-	-	-	2	5	-	-	120	701	-	-	-
ZIMBABWE	-	-	-	-	-	-	49	5	-	-	-	-	-	-	-	-	-	
UNSPECIFIED	-	-	-	-	-	-	-	-	-	140	2357	-	-	17112	77433	1092	6188036	
TOTAL	694377	2954063	2145757	3461501	1857058	3489291	1897448	3852204	3023412	10980476	2550205	7268568	5308634	22744701	2645552	17424507	3689481	14974945257

(QUANTITY IN TONNES AND VALUE IN '000 Rs.)

COUNTRY	IMPORT																		
	2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
AFGANISTAN	-	-	-	-	-	-	-	-	-	-	-	-	86	386	-	-	-	-	
ARGENTINA	24010	178198	-	-	-	-	-	-	-	-	-	-	0	0	-	-	-	-	
AUSTRALIA	12391706	48857577	1444082	79181693	15982936	91001317	20863485	113662393	19734915	15080452	23141828	188108022	18379915	190342984	28001280	369820218	30490421	316623309822	
AUSTRIA	-	-	-	-	-	-	-	-	-	-	528	3475	-	-	175607	1405028	16930	181050634	
BAHARAIN IS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12750	58452	-	-
BANGLADESH	-	-	-	-	-	-	-	50	162	64	212	-	-	800	2244	204	633	350	4490264
BENIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8000	28865	-	-	
BELGIUM	-	-	-	-	-	-	-	-	-	-	-	-	20592	204561	4803	61230	-	-	
BHUTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
BOSNIA HARZGOVIN	-	-	-	-	-	-	-	-	-	-	-	-	58166	1313972	-	-	42477	763297652	
CANADA	48293	343260	-	-	42633	241996	19	609	53	1640	36	1053	21	337	229599	3157153	999495	10843475427	
CHILE	123900	375039	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
CHINA P. REP.	1861207	36384593	5475725	31677774	8295973	49832869	4299380	48612317	2043741	43522429	130279	2028602	1120075	21836740	1199271	21834731	119191	2763900876	
COLOMBIA	38811	304615	-	-	22391	101253	140	1676	603	7623	176962	2594249	156387	1688497	127001	2756825	589351	7570796819	
COTE D'IVOIRE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	45598	192108	-	-	
CZECH REP.	-	-	-	-	-	-	-	-	-	-	1	10	-	-	6824	97345	-	-	
DENMARK	-	-	-	-	-	-	-	-	-	-	-	-	-	-	25	306	-	-	
EGYPT A. REP.	22158	504441	-	-	26844	275874	32998	329942	-	-	86317	1514360	-	-	2000	7010	-	-	
FRANCE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5480	72298	-	-	
GERMAN F. REP.	61	2095	162	2717	37	1203	59	1822	76	2857	40	1410	21	752	49353	704394	351	14108804	
GUINEA BISSAU	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7500	27443	-	-	
HONGKONG	-	-	-	-	-	-	-	-	-	-	-	-	116	2027	35	752	-	-	
INDONESIA	9127516	20679749	16057983	36481089	18740878	42913199	19516881	52844545	28767683	126439907	32164179	115473599	38973398	147797062	55260271	258416953	82392520	329706331317	
IRAN	-	-	-	-	-	-	-	23376	254889	556	5157	-	-	14286	107492	85902	683289	-	-
IRELAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10017	34021	58	695040	
ISRAEL	-	-	-	-	-	-	-	-	-	-	43603	306145	-	-	59999	951431	-	-	
ITALY	-	-	-	-	-	480	1311	-	-	-	10998	165116	10072	208505	14135	210237	34799	365289147	
JAPAN	161400	2711118	99245	681343	370172	2569296	214899	2324820	70343	10076636	281043	4004989	121168	2016917	452152	8769539	753810	14543546146	
JORDAN	-	-	-	-	-	-	-	-	22552	45902	-	-	-	-	-	-	-	-	
KENYA	-	-	-	-	-	-	-	-	-	-	-	49997	675849	-	-	-	-	-	
KOREA REP.	-	-	-	-	-	-	-	-	-	-	29742	744048	-	24007	230314	15384	261475948	-	
KYRGYZSTAN	-	-	-	-	-	-	-	-	-	-	-	-	204	2148	-	-	-	-	
LATVIA	-	-	-	-	-	-	-	-	-	-	-	49999	523774	1365	17855	55441	44961774	-	
LITHUANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	23	237615	-	-	
MALTA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10000	113984	-	-	
MALAYSIA	141	2348	16	294	22	169	24649	150249	-	-	-	-	11279	147287	62776	484089	-	-	
MAURITIUS	-	-	-	-	-	-	-	-	-	-	-	-	61	430	-	-	6	133100	

(QUANTITY IN TONNES AND VALUE IN '000 Rs.)

COUNTRY	IMPORT																	
	2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13	
	Qty.	Value																
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-
MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	21536	239291	16100	175346	-	-
MONGOLIA	-	-	-	-	-	-	-	-	-	-	16	545	-	-	-	32800	417156873	
MOROCCO	-	-	-	-	-	-	12011	154050	-	-	-	-	-	-	2097	9856	-	-
MOZAMBIQUE	-	-	44108	130839	-	-	-	-	-	-	82917	314731	100	685	49057	492492	978309	10186976485
MYANMAR	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19810	85626	-	-
NEPAL	-	-	-	-	24	181	14	9	-	-	-	-	-	-	-	-	-	-
NETHERLAND	19860	130804	-	-	71	1734	-	-	4	77	46369	518344	7003	19545	50339	488424	34	1531421
NEW ZEALAND	243434	1133368	606411	4065906	692210	4395593	770544	4494271	839628	8862858	1059317	9976882	836645	8020180	959787	12985853	1046858	11355826534
NIGERIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24230	31880	-	-
OMAN	-	-	-	-	-	-	-	-	-	-	29828	164894	-	-	-	-	-	-
PAKISTAN IR	-	-	-	-	-	-	8300	36308	115	606	-	-	48	239	259	1139	3687	24409118
PHILIPPINES	-	-	-	-	-	-	322917	900287	194017	715140	670972	2235122	266672	668177	60552	208396	165404	561674511
POLAND	45000	388963	-	-	-	-	-	-	-	-	384121	5131822	43730	1061861	85043	197292	409433	7760712799
PORTUGAL	-	-	-	-	-	-	-	-	-	-	-	-	-	5000	16300	-	-	
QATAR	-	-	-	-	-	-	-	-	-	-	-	-	-	20	659	-	-	
RUSSIA	460905	5846118	78811	641603	50200	199181	102179	484268	499263	7743904	2144075	9899116	428599	6191028	1494500	14530755	741881	10366287255
SAUDI ARAB	-	-	3	86	-	-	-	-	-	-	-	-	-	-	102358	674692	-	-
SINGAPORE	5015	11722	-	-	466	1324	80151	610491	-	-	-	-	-	-	24766	517204	60391	351454406
SPAIN	-	-	-	--	-	-	-	-	-	-	95	1976	591	14809	244	6593	256	8148302
SOUTH AFRICA	532095	1971505	32439131	9813138	2387874	8175974	6972778	28690262	7093242	44981007	14492318	61269478	2903112	61231979	12217251	77107162	20294980	113591170887
SRI LANKA	-	-	-	-	-	-	-	-	-	-	-	-	-	376	6338	-	-	
ST LUCIA	-	-	-	-	-	-	35860	152279	-	-	-	-	-	-	-	-	-	
SWEDEN	-	-	-	-	-	-	-	-	-	-	246192	2671350	-	-	-	-	-	-
SWITZERLAND	19589	156472	-	-	15290	141268	-	-	-	-	-	-	-	-	-	-	-	-
TAIWAN	100956	332321	-	-	545	5390	-	-	100	1634	-	-	-	-	69548	456708	-	-
TAJIKISTAN	-	-	-	-	-	-	-	-	-	-	53	505	-	-	-	-	-	-
TANZANIA REP	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6000	17617	-	-
THAILAND	50	7010	39	507	20	267	20	296	45278	417908	-	-	-	-	25113	291954	-	-
TURKEY	-	-	-	-	-	-	-	-	-	-	-	-	-	7500	37442	234	4298272	
U.A.E.	1562	5011	-	-	-	-	-	-	10326	152262	200	1151	10000	37240	75290	868937	86	1317370
U.K.	1087	14651	983	15336	638	12046	596	10085	600	11730	1330	23579	104407	1093244	36863	694661	2012	55208917
UKRAINE	66807	916251	-	-	-	-	-	-	-	-	125538	1131658	51349	599543	666611	10084895	1167740	18882555074
U.S.A.	775879	6376995	1022433	7628020	878151	5439054	558632	3669080	1215151	16325013	1494925	14558029	2051559	23623109	3007634	40140037	6389457	55033752652
Vietnam Soc. Rep.	182692	1162979	120408	86086	301018	1766463	202131	1230855	257863	3419100	206483	2002241	289925	3635509	85002	1545173	141162	2449327127
VENEZUELA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32204	413266	40	866519
UNSPECIFIED	-	--	-	-	-	-	-	-	6000	21343	-	-	387408	2078709	232060	1650080	1921267	10239635452
ZIMBABWE	-	-	-	-	-	-	-	-	-	-	-	-	-	6122	30189	-	-	
TOTAL	26254134	128797203	57389540	170406431	47808873	207076962	54042069	258615965	60802293	277835672	77020563	424102453	66399445	476137498	105217314	835959832	148866638	925384066359

**STATEMENT NO. 6.2**

**Trend in Index of Labour Earnings in Coal Mines ( Base Year : 1985 = 100 )**

STATE	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012
1	2	3	4	5	6	7	8	9	10	11
ANDHRA PRADESH	0.00	0.00	0.00	0.00	1067.60	1203.17	1509.21	1849.02	2551.36	
ASSAM	0.00	0.00	0.00	0.00	1399.27	1188.42	1655.51	1959.82	2349.46	
BIHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHATTISGARH	0.00	0.00	0.00	0.00	1424.80	1415.40	1499.79	1711.93	2608.95	3811.09
GUJARAT	0.00	0.00	0.00	0.00	1867.27	2001.14	3166.05	4152.44	4154.38	0.00
JHARKHAND	0.00	0.00	0.00	0.00	1244.61	1202.42	1463.05	1593.06	1913.65	2947.06
JAMMU & KASHMIR	0.00	0.00	0.00	0.00	1171.55	1171.55	1238.85	1389.57	1389.57	1389.57
MADHYA PRADESH	0.00	0.00	0.00	0.00	1390.98	1390.98	1800.85	1848.81	3558.99	5212.38
MAHARASHTRA	0.00	0.00	0.00	0.00	1463.30	1756.67	2074.98	2104.01	3687.40	4602.34
ORISSA	0.00	0.00	0.00	0.00	1175.23	1175.23	1779.34	1746.36	1712.29	4666.19
TAMILNADU	0.00	0.00	0.00	0.00	2010.98	618.78	2034.96	3101.59	3101.59	3101.59
UTTAR PRADESH	0.00	0.00	0.00	0.00	803.60	847.62	1399.91	1433.75	1448.99	5642.03
WEST BENGAL	0.00	0.00	0.00	0.00	1161.26	1161.26	1390.86	1498.50	2935.60	3115.91
ALL INDIA (COAL)	0.00	0.00	0.00	0.00	1483.96	1471.44	1776.73	1947.75	2958.71	4092.69

N.B. : The average linking factor for new series with base year 1985 to old series with base year 1975 is 4.920.

**STATEMENT NO. 6.3**

**Average weekly Cash Earnings of Coal Mines Workers During the month of December, 2012**

(in Rupees)

STATES	Category of Workers											OVERALL	
	BELOW GROUND WORKINGS					OPEN CAST WORKINGS				ABOVE GROUND WORKINGS			
	Overman & Sirdar	Miners & Loaders	Other Face Workers	Others	Overman & Sirdar	Miners & Loaders	Other Face Worker	Others	Clerical Staff	Others			
1	2	3	4	5	6	7	8	9	10	11	12		
ANDHRA PRADESH	11447	9311	6297	9069	32206	11470	25514	15296	17280	16484	10628		
ASSAM	9358	7986	6098	5699	12860	--	--	12860	9297	9082	8364		
CHATTISGARH	17595	17061	8974	13612	23699	71061	7588	14249	12845	10217	12536		
GUJARAT	--	--	--	--	11213	3515	8666	7611	18102	10152	11175		
JAMMU & KASHMIR	3637	1410	--	1927	--	--	--	--	2672	2013	1738		
JHARKHAND	14059	10554	8586	5116	15630	3605	15123	11203	10022	8962	8442		
MADHYA PRADESH	16686	11860	11036	21715	25923	51775	16199	15416	20606	20938	16620		
MAHARASHTRA	20644	13566	12734	16421	18626	20906	13464	18704	15930	12372	14457		
ORISSA	15798	25227	6538	8258	27895	--	3990	22893	22417	12653	15111		
RAJASTHAN	--	--	--	--	8607	--	--	3099	5906	3081	3418		
TAMILNADU	--	--	--	--	12117	9000	--	10790	13633	13872	12780		
UTTAR PRADESH	--	--	--	--	41072	--	7879	42657	27079	22453	29610		
WEST BENGAL	12883	10625	13373	7017	9932	--	9085	5317	9726	7022	8476		
ALL INDIA	14427	11066	9292	8913	19684	7602	13941	15379	14355	12153	11436		

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