



सत्यमेव जयते

STATISTICS OF MINES IN INDIA VOLUME - I (COAL) 2014



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)

2014

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

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 2014 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, mechanization, consumption of explosives etc. in coal mines. Information in respect of fatal and serious accidents in Coal mines is also included in this volume. 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, 2016
Dhanbad



(Rahul Guha)
Director General of Mines Safety

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। "स्टैटिस्टीक्स ऑफ माइन्स इन इन्डिया"- वॉल्यूम -I (कोल) शीर्षक नामक वर्ष 2014 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। कोयला खानों में प्राणघातक एवं गंभीर दुर्घटनाओं के संदर्भ में सूचना को भी इस प्रकाशन में शामिल किया गया 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 2016
धनबाद।

३६
राहुल गुहा
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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.

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

SECTION – I

EMPLOYMENT

AND

OUTPUT

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

Year	Major States								All*	Place of work			
	Andhra Pradesh	Chatti- sgarh	Jhar- khand	Madhya@ Pradesh	Mahar- ashtra	Orissa	Tamil- nadu	Telan- gana		West India	Below ground	Open- cast	Above ground
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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
2013	59.1	34.3	91.2	46.3	27.8	21.4	9.0	...	52.8	358	168	87	103
2014	...	36.8	90.8	48.6	26.7	22.0	8.5	56.8	50.7	356	165	94	97

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

STATEMENT NO. 1.2

AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	NO. OF MINES (INCLU- ING CONTRACT)	TOTAL EMPLOY- MENT (EMPO- YMENT & SIRDARS & LOADERS WORKERS & OTHER DING OTHERS)	BELOW GROUND WORKINGS				OPENCAST WORKINGS				ABOVE GROUND WORKINGS			OVERALL		
			CONT- RACT EMPLO- YMENT	OVER- MINERS & FACE WORKERS	TOTAL (INCLU- ING OTHERS)	OVER- MINERS & 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
1. COAL																
ASSAM																
Tinsukia	4	1724	266	27	204	29	274	71	191	483	870	171	409	580	1649	75
CHATTISGARH																
Bilaspur	2	473	--	30	5	337	382	--	--	--	32	59	91	473	--	
Raigarh	10	5611	2786	216	1604	--	2938	150	777	--	1615	285	773	1058	5600	11
Surguja	17	7989	1156	328	460	2080	4809	123	--	255	1986	421	773	1194	7861	128
Korea	18	10093	633	593	192	2724	7761	15	--	204	219	378	1735	2113	9846	247
Korba	18	12564	2233	209	894	1613	3288	184	--	505	4898	1406	2972	4378	12413	151
Surajpur	1	76	13	--	--	--	--	--	16	51	67	9	--	9	76	--
TOTAL: CHATTISGARH	66	36806	6821	1376	3155	6754	19178	472	793	1015	8785	2531	6312	8843	36269	537
JHARKHAND																
Deoghar	2	1058	86	--	--	--	--	22	--	347	531	52	475	527	946	112
Dhanbad	85	49040	2500	1546	2031	9393	28811	428	16	4705	9033	2749	8447	11196	47196	1844
Koderma	1	673	--	--	--	--	--	16	--	112	395	101	177	278	603	70
Dhanbad	7	3929	49	100	89	265	2066	65	1	66	1050	161	652	813	3778	151
Giridih	3	591	41	--	--	--	--	18	--	270	54	267	321	580	11	
Godda	1	433	--	--	--	--	--	44	--	--	254	76	103	179	427	6
Hazaribagh	33	13460	319	194	856	1175	3576	288	309	1187	4451	1142	4291	5433	12819	641
Palamau	4	801	303	--	--	--	--	52	98	166	425	104	272	376	769	32
Ranchi	6	2846	87	25	15	--	223	70	--	839	1187	409	1027	1436	2640	206
Sahibganj	1	37	2	--	--	--	--	2	--	16	26	3	8	11	35	2
Bokaro	21	12355	1322	186	859	944	3245	302	817	2829	5936	1127	2047	3174	11528	827
Pakur	1	1889	1272	--	--	--	--	20	--	273	460	80	1349	1429	1889	--
Chatra	3	2259	284	20	5	--	346	78	--	613	985	192	736	928	2195	64
Latehar	1	104	8	--	--	--	--	8	8	--	63	13	28	41	104	--
Ramgarh	3	1397	--	22	41	219	403	21	--	294	657	139	198	337	1303	94
TOTAL: JHARKHAND	172	90872	6273	2093	3896	11996	38670	1434	1249	11447	25723	6402	20077	26479	86812	4060
JAMMU & KASHMIR																
Rajauri	1	304	--	7	149	--	241	--	--	--	--	8	55	63	304	--
MADHYA PRADESH																
Narsigpur	1	382	316	--	--	--	--	13	--	27	128	40	214	254	382	--
Betul	7	4349	63	240	180	1318	3839	--	--	--	125	385	510	4322	27	
Chhindwara	24	6007	344	302	167	2921	4760	58	2	46	292	233	722	955	5796	211
Shahdol	27	15615	840	687	1859	2916	10266	81	6	467	806	1157	3386	4543	15351	264
Sidhi	4	12974	6616	--	--	--	--	178	88	4363	9153	815	3006	3821	12763	211
Umaria	8	6019	939	515	14	2163	4726	13	--	50	63	231	999	1230	5930	89
Anuppur	3	2037	401	94	--	760	1352	30	--	--	347	110	228	338	1999	38
Singrauli	2	1232	497	--	--	--	--	24	--	--	743	48	441	489	1222	10
TOTAL: MADHYA PRADESH	76	48615	10016	1838	2220	10078	24943	397	96	4953	11532	2759	9381	12140	47765	850

STATEMENT NO. 1.2 (cont.)

AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	NO. OF MINES (INCLU- ING CONTRACT)	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVER- MEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVER- MEN & 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		
MAHARASHTRA																		
Chandrapur	30	14852	885	254	316	1821	4373	263	25	1812	3235	1725	5519	7244	14392	460		
Nagpur	14	7190	77	263	209	2644	3793	111	222	522	1090	532	1775	2307	7093	97		
Yavatmal	14	4702	248	44	--	--	630	176	100	464	2347	520	1205	1725	4571	131		
TOTAL: MAHARASHTRA	58	26744	1210	561	525	4465	8796	550	347	2798	6672	2777	8499	11276	26056	688		
ORISSA																		
Angul	13	13619	5679	93	181	875	1855	249	13	1224	6434	837	4493	5330	13370	249		
Sambalpur	1	288	180	--	--	--	--	13	9	87	128	10	150	160	287	1		
Sundergarh	2	1271	512	--	--	--	--	40	--	1058	1123	92	56	148	1241	30		
Jharsuguda	10	6831	1966	164	23	761	2115	149	87	1353	3118	639	959	1598	6736	95		
TOTAL: ORISSA	26	22009	8337	257	204	1636	3970	451	109	3722	10803	1578	5658	7236	21634	375		
Telangana																		
Adilabad	22	16490	814	728	3737	1881	13478	669	216	159	1784	235	993	1228	16408	82		
Karimnagar	21	25700	1273	786	2210	2036	15495	132	303	4652	6637	503	3065	3568	25521	179		
Khammam	11	9683	1276	156	177	377	2673	205	942	17	3965	433	2612	3045	9603	80		
Warangal	6	4957	60	245	672	598	4349	14	--	--	230	64	314	378	4955	2		
TOTAL: Telangana	60	56830	3423	1915	6796	4892	35995	1020	1461	4828	12616	1235	6984	8219	56487	343		
UTTAR PRADESH																		
Sonebhadra	5	8880	2977	--	--	--	--	141	217	1963	4326	745	3809	4554	8507	373		
WEST BENGAL																		
Bankura	5	1551	160	24	--	--	445	58	--	243	566	140	400	540	1523	28		
Birbhum	2	177	--	--	--	--	--	14	--	--	165	7	5	12	177	--		
Burdwan	94	47478	2550	1493	1546	8667	30885	264	298	575	3538	2486	10569	13055	44941	2537		
Purulia	2	1558	--	55	200	283	1180	--	--	--	--	71	307	378	1558	--		
TOTAL: WEST BENGAL	103	50764	2710	1572	1746	8950	32510	336	298	818	4269	2704	11281	13985	48199	2565		
ALL INDIA : COAL																		
2. LIGNITE	571	343548	42033	9646	18895	48800	164577	4872	4761	32027	85596	20910	72465	93375	333682	9866		
GUJARAT																		
Bharuch	2	644	427	--	--	--	--	28	41	--	503	59	82	141	638	6		
Bhavanagar	2	400	233	--	--	--	--	14	--	--	233	35	132	167	398	2		
Kutch	2	1008	578	--	--	--	--	27	50	--	632	85	291	376	942	66		
Surat	3	399	314	--	--	--	--	25	--	128	347	9	43	52	398	1		
TOTAL: GUJARAT	9	2451	1552	--	--	--	--	94	91	128	1715	188	548	736	2376	75		

STATEMENT NO. 1.2 (cont.)

AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	NO. OF MINES (INCLU- ING CONTRACT)	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVER- MEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL	(INCLU- ING OTHERS)	OVER- MEN & 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		
RAJASTHAN																		
Barmer	3	1032	916	--	--	--	--	15	167	77	655	73	304	377	1032	--		
Bikaner	2	253	123	--	--	--	--	13	--	--	249	4	--	4	253	--		
Nagaur	1	98	78	--	--	--	--	9	--	--	77	13	8	21	98	--		
TOTAL: RAJASTHAN	6	1383	1117	--	--	--	--	37	167	77	981	90	312	402	1383	--		
TAMILNADU																		
Cuddalore	2	8522	3070	--	--	--	--	47	425	--	5800	924	1798	2722	8522	--		
ALL INDIA : LIGNITE	17	12356	5739	--	--	--	--	178	683	205	8496	1202	2658	3860	12281	75		
ALL INDIA : ALL COAL	588	355904	47772	9646	18895	48800	164577	5050	5444	32232	94092	22112	75123	97235	345963	9941		

STATEMENT NO. 1.3

AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2014 : 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	74	43090	553	1086	1357	7233	22382	478	16	4847	9910	2570	8228	10798	41300	1790		
CCL	64	29847	886	362	1562	2338	6621	723	1040	5907	12263	2930	8033	10963	28013	1834		
ECL	111	53439	1102	1751	1761	10340	35182	282	298	974	3623	2925	11709	14634	50476	2963		
MCL	25	21721	8157	257	204	1636	3970	438	100	3635	10675	1568	5508	7076	21347	374		
NCL	10	22766	10084	--	--	--	--	330	305	6326	13949	1602	7215	8817	22172	594		
NEC	4	1724	266	27	204	29	274	71	191	483	870	171	409	580	1649	75		
SECL	94	55088	6083	2488	3673	12593	33025	440	125	1532	8210	3748	10105	13853	54162	926		
WCL	83	35718	1188	1072	857	8704	17033	555	349	2120	6095	3042	9548	12590	34792	926		
CIL	465	263393	28319	7043	9618	42873	118487	3317	2424	25824	65595	18556	60755	79311	253911	9482		
JSMDC	1	104	8	--	--	--	--	8	8	--	63	13	28	41	104	--		
DVC	1	138	--	--	--	--	--	7	--	21	52	38	48	86	133	5		
GMDC	5	1961	1150	--	--	--	--	72	91	128	1348	186	427	613	1886	75		
IISCO	4	2106	1080	98	38	51	1111	32	1	--	530	82	383	465	2084	22		
J&K Min.	1	304	--	7	149	--	241	--	--	--	--	8	55	63	304	--		
NLC	3	8674	3193	--	--	--	--	53	425	--	5948	928	1798	2726	8674	--		
SCCL	60	56830	3423	1915	6796	4892	35995	1020	1461	4828	12616	1235	6984	8219	56487	343		
TISCO	8	7097	1478	298	710	984	5097	61	--	--	1161	197	642	839	7086	11		
RSMDC	1	97	69	--	--	--	--	5	38	11	64	16	17	33	97	--		
PIL	2	261	82	--	--	--	--	14	--	--	216	28	17	45	261	--		
GIPCL	3	414	352	--	--	--	--	19	--	--	354	--	60	60	414	--		
GHCL	1	76	50	--	--	--	--	3	--	--	13	2	61	63	76	--		
JINDAL	1	569	159	--	--	--	--	32	--	--	373	65	131	196	569	--		
BENGALEMFTA	3	557	281	--	--	--	--	39	--	--	471	22	64	86	557	--		
BLAI	1	382	316	--	--	--	--	13	--	27	128	40	214	254	382	--		
ICML	1	1045	969	--	--	--	--	39	--	--	690	67	288	355	1045	--		
INDAL	1	288	180	--	--	--	--	13	9	87	128	10	150	160	287	1		
MIL	1	1874	817	71	1283	--	1569	--	--	--	--	86	219	305	1872	2		
CTL	1	45	41	--	--	--	--	2	--	--	4	5	36	41	45	--		
RSMML	2	229	195	--	--	--	--	11	65	8	178	25	26	51	229	--		
PCML	1	1889	1272	--	--	--	--	20	--	273	460	80	1349	1429	1889	--		
JNL	1	1126	735	105	--	742	26	--	--	124	17	243	260	1126	--			
RASL	2	575	112	--	--	--	--	39	86	366	501	43	31	74	575	--		
SISCL	2	1038	984	30	72	--	420	31	508	--	582	5	31	36	1038	--		
ELCALTD	1	1013	899	70	214	--	787	10	86	--	112	28	86	114	1013	--		
VSLPPL	1	101	--	--	--	--	--	7	--	--	101	--	--	--	101	--		
WBMD&TCL	1	402	--	--	--	--	--	18	--	--	79	36	287	323	402	--		
UML	1	392	303	--	--	--	--	21	98	--	170	45	177	222	392	--		
DVC EMTA	1	331	55	--	--	--	--	20	--	243	309	22	--	22	331	--		
SEML	2	184	165	--	--	--	--	18	80	--	149	9	26	35	184	--		
TUML	1	69	46	--	--	--	--	7	--	--	58	11	--	11	69	--		
MSMCL	2	599	6	4	--	--	108	13	--	--	273	40	178	218	599	--		
BLMCL	1	804	730	--	--	--	--	8	64	58	490	45	269	314	804	--		
JAL	2	27	--	5	15	--	20	--	--	--	7	--	7	27	--			
SOVA	1	141	56	--	--	--	--	10	--	--	95	46	--	46	141	--		
RRVUN Ltd.	1	356	247	--	--	--	--	25	--	--	282	37	37	74	356	--		
KECML	1	413	--	--	--	--	--	17	--	358	375	32	6	38	413	--		
ALL INDIA	588	355904	47772	9646	18895	48800	164577	5050	5444	32232	94092	22112	75123	97235	345963	9941		

STATEMENT NO. 1.4

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
1.COAL				
ASSAM				
Tinsukia	83275	271250	180955	535480
CHATTISGARH				
Bilaspur	138168	--	32886	171054
Raigarh	1021853	429253	363494	1814600
Surguja	1721882	659840	427305	2809027
Korea	2788808	78748	713705	3581261
Korba	1159396	1658954	1505544	4323894
Surajpur	--	24597	3245	27842
TOTAL: CHATTISGARH	6830107	2851392	3046179	12727678
JHARKHAND				
Deoghar	--	191179	193556	384735
Dhanbad	8748632	3148474	3515197	15412303
Koderma	--	143780	101192	244972
Dhanbad	670045	373553	259627	1303225
Giridih	--	79147	98229	177376
Godda	--	92710	65335	158045
Hazaribagh	1101344	1372252	1777615	4251211
Palamau	--	131738	111894	243632
Ranchi	68896	478229	480551	1027676
Sahebganj	--	8166	3529	11695
Bokaro	990069	1853511	1012028	3855608
Pakur	--	140074	441713	581787
Chatra	105572	333246	294668	733486
Latehar	--	6985	10044	17029
Ramgarh	123318	221046	109702	454066
TOTAL: JHARKHAND	11807876	8574090	8474880	28856846
JAMMU & KASHMIR				
Rajauri	73264	--	19152	92416
MADHYA PRADESH				
Narsigpur	--	39087	77891	116978
Betul	1313565	--	172266	1485831
Chhindwara	1212030	75507	298122	1585659
Shahdol	3338407	261500	1345221	4945128
Sidhi	--	1735651	2019695	3755346
Umaria	1696088	16088	437550	2149726
Anuppur	492733	126798	122651	742182
Singrauli	--	201322	152804	354126
TOTAL: MADHYA PRADESH	8052823	2455953	4626200	15134976
MAHARASHTRA				
Chandrapur	1420539	1032060	2188138	4640737
Nagpur	1252886	355349	720340	2328575
Yavatmal	212337	782835	584716	1579888
TOTAL: MAHARASHTRA	2885762	2170244	3493194	8549200
ORISSA				
Angul	573769	2157623	1752369	4483761
Sambalpur	--	38656	48320	86976
Sundergarh	--	377507	49188	426695
Jharsuguda	642372	1121169	527746	2291287
TOTAL: ORISSA	1216141	3694955	2377623	7288719

STATEMENT NO. 1.4 (cont.)

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
				1 2 3 4 5
<hr/>				
Telangana				
Adilabad	4055442	576208	375215	5006865
Karimnagar	4784432	2078173	1161529	8024134
Khammam	814063	1321110	986069	3121242
Warangal	1360434	69864	117690	1547988
TOTAL: Telangana	11014371	4045355	2640503	17700229
<hr/>				
UTTAR PRADESH				
Sonebhadra	--	1645172	1252363	2897535
WEST BENGAL				
Bankura	129567	180783	195015	505365
Birbhum	--	50083	3107	53190
Burdwan	9942093	1067595	4201725	15211413
Purulia	360557	--	115681	476238
TOTAL: WEST BENGAL	10432217	1298461	4515528	16246206
<hr/>				
ALL INDIA : COAL	52395836	27006872	30626577	110029285
<hr/>				
2. LIGNITE				
GUJARAT				
Bharuch	--	161769	44219	205988
Bhavanagar	--	70377	53040	123417
Kutch	--	201713	119485	321198
Surat	--	123162	18964	142126
TOTAL: GUJARAT	--	557021	235708	792729
<hr/>				
RAJASTHAN				
Barmer	--	226599	132191	358790
Bikaner	--	90501	1620	92121
Nagaur	--	23199	6172	29371
TOTAL: RAJASTHAN	--	340299	139983	480282
<hr/>				
TAMILNADU				
Cuddalore	--	1609524	844316	2453840
<hr/>				
ALL INDIA : LIGNITE	--	2506844	1220007	3726851
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ALL INDIA : ALL COAL	52395836	29513716	31846584	113756136
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STATEMENT NO. 1.5

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2014 : OWNERWISE

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
BCCL	6843789	3496282	3412083	13752154
CCL	2028466	3957019	3570667	9556152
ECL	11267616	1144237	4739569	17151422
MCL	1216141	3656299	2329303	7201743
NCL	--	3527463	3409962	6937425
NEC	83275	271250	180955	535480
SECL	11496599	2782977	4582563	18862139
WCL	5300081	1976401	3916072	11192554
CIL	38235967	20811928	26141174	85189069
JSMDC	--	6985	10044	17029
DVC	--	15119	24955	40074
GMDC	--	424820	190946	615766
IISCO	341596	162598	142643	646837
J&K Min.	73264	--	19152	92416
NLC	--	1663725	845936	2509661
SCCL	11014371	4045355	2640503	17700229
TISCO	1515433	352334	263233	2131000
RSMDC	--	19641	10040	29681
PIL	--	62118	13770	75888
GIPCL	--	127730	22058	149788
GHCL	--	4471	22704	27175
JINDAL	--	18883	74447	93330
BENGALEMTA	--	159725	29730	189455
BLAI	--	39087	77891	116978
ICML	--	198197	104540	302737
INDAL	--	38656	48320	86976
MIL	572634	--	111328	683962
CTL	--	1440	14757	16197
RSMML	--	53802	15262	69064
PCML	--	140074	441713	581787
JNL	226310	37820	79300	343430

STATEMENT NO. 1.5 (cont..)

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2014 : OWNERWISE

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
	1	2	3	4	5
RASL	--	153101	19971	173072
SISCL	132436	203778	11263	347477
ELCALTD	243193	34802	35116	313111
VSLPPL	--	36300	--	36300
WBMD&TCL	--	24095	98515	122610
UML	--	51924	63419	115343
DVC EMTA	--	94322	23377	117699
SEML	--	48332	11364	59696
TUML	--	21170	4015	25185
MSMCL	34618	54682	69260	158560
BLMCL	--	176355	113061	289416
JAL	6014	--	1997	8011
SOVA	--	33398	16047	49445
RRVUN Ltd.	--	84449	23333	107782
KECML	--	112500	11400	123900
ALL INDIA	52395836	29513716	31846584	113756136

STATEMENT NO. 1.6

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2014 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	14
	BCCL	3	5	9	8	9	23	7	4	4	2	--	--	74
CCL	2	7	4	9	16	17	6	2	--	--	--	--	--	64
ECL	6	4	17	25	15	27	7	5	1	--	2	--	--	111
MCL	1	2	1	2	1	5	4	1	4	2	--	1	25	
NCL	--	--	--	--	--	--	2	1	2	--	1	4	10	
NEC	--	1	--	1	1	1	--	--	--	--	--	--	--	4
SECL	5	11	6	17	9	30	7	1	2	3	--	3	94	
WCL	7	9	6	11	15	24	3	4	1	--	--	--	--	83
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CIL	24	39	43	73	66	127	36	18	14	7	3	8	465	
JSMDC	--	1	--	--	--	--	--	--	--	--	--	--	--	1
DVC	--	1	--	--	--	--	--	--	--	--	--	--	--	1
GMDC	--	--	1	2	1	1	--	--	--	--	--	--	--	5
IISCO	--	2	--	--	--	1	--	--	1	--	--	--	--	4
J&K Min.	--	--	--	1	--	--	--	--	--	--	--	--	--	1
NLC	--	--	1	--	--	--	--	--	--	1	--	1	3	
SCCL	2	1	2	4	3	14	11	5	10	5	--	2	60	
TISCO	1	--	--	--	--	1	2	2	2	--	--	--	--	8
RSMDC	--	1	--	--	--	--	--	--	--	--	--	--	--	1
PIL	1	--	1	--	--	--	--	--	--	--	--	--	--	2
GIPCL	--	2	1	--	--	--	--	--	--	--	--	--	--	3

STATEMENT NO. 1.6(cont.)

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2014 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	14
	--	1	--	--	--	--	--	--	--	--	--	--	--	1
JINDAL	--	--	--	--	--	1	--	--	--	--	--	--	--	1
BENGALEMTA	--	2	--	1	--	--	--	--	--	--	--	--	--	3
BLAI	--	--	--	1	--	--	--	--	--	--	--	--	--	1
ICML	--	--	--	--	--	--	--	1	--	--	--	--	--	1
INDAL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
MIL	--	--	--	--	--	--	--	--	--	1	--	--	--	1
CTL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
RSMML	--	2	--	--	--	--	--	--	--	--	--	--	--	2
PCML	--	--	--	--	--	--	--	--	--	1	--	--	--	1
JNL	--	--	--	--	--	--	--	1	--	--	--	--	--	1
RASL	--	1	--	--	1	--	--	--	--	--	--	--	--	2
SISCL	--	--	--	1	--	1	--	--	--	--	--	--	--	2
ELCALTD	--	--	--	--	--	--	--	1	--	--	--	--	--	1
VSLPPL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
WBMD&TCL	--	--	--	--	1	--	--	--	--	--	--	--	--	1
UML	--	--	--	1	--	--	--	--	--	--	--	--	--	1
DVC EMTA	--	--	--	1	--	--	--	--	--	--	--	--	--	1
SEML	--	2	--	--	--	--	--	--	--	--	--	--	--	2
TUML	--	1	--	--	--	--	--	--	--	--	--	--	--	1
MSMCL	--	--	--	2	--	--	--	--	--	--	--	--	--	2

STATEMENT NO. 1.6(cont.)

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2014 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	14
	--	--	--	--	--	--	--	1	--	--	--	--	--	1
JAL	1	--	--	--	--	--	--	--	--	--	--	--	--	2
SOVA	--	1	--	--	--	--	--	--	--	--	--	--	--	1
RRVUN Ltd.	--	--	--	1	--	--	--	--	--	--	--	--	--	1
KECML	--	--	--	--	1	--	--	--	--	--	--	--	--	1
ALL INDIA	30	58	49	89	73	146	50	28	27	15	3	11	588	

STATEMENT No. 1.7
EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
1. COAL					
ASSAM					
Tinsukia	4	329	1044	696	2069
CHATTISGARH					
Bilaspur	2	462	--	110	572
Raigarh	10	3461	2029	1284	6774
Surguja	17	6429	2459	1497	10385
Korea	18	10198	262	2648	13108
Korba	18	3945	5878	5255	15078
Surajpur	1	--	80	11	91
TOTAL: CHATTISGARH	66	24495	10708	10805	46008
JHARKHAND					
Deoghar	2	--	637	633	1270
Dhanbad	85	34574	10880	13593	59047
Koderma	1	--	474	334	808
Dhanbad	7	2479	1261	976	4716
Giridih	3	--	324	385	709
Goddha	1	--	305	215	520
Hazaribagh	33	4292	5341	6520	16153
Palamau	4	--	507	451	958
Ranchi	6	268	1382	1644	3294
Sahibganj	1	--	31	13	44
Bokaro	21	3894	7122	3789	14805
Pakur	1	--	552	1715	2267
Chatra	3	415	1182	1113	2710
Latehar	1	--	76	49	125
Ramgarh	3	516	789	384	1689
TOTAL: JHARKHAND	172	46438	30863	31814	109115
JAMMU & KASHMIR					
Rajauri	1	244	--	126	370
MADHYA PRADESH					
Narsigpur	1	--	154	305	459
Betul	7	4759	--	640	5399
Chhindwara	24	5618	350	1079	7047
Shahdol	27	12645	968	5450	19063
Sidhi	4	--	10984	4585	15569
Umaria	8	5670	76	1476	7222
Anuppur	3	1629	416	454	2499
Singrauli	2	--	891	586	1477
TOTAL: MADHYA PRADESH	76	30321	13839	14575	58735
MAHARASHTRA					
Chandrapur	30	5248	4004	8677	17929
Nagpur	14	4587	1309	2762	8658
Yavatmal	14	756	2817	2069	5642
TOTAL: MAHARASHTRA	58	10591	8130	13508	32229
ORISSA					
Angul	13	2226	8960	6394	17580
Sambalpur	1	--	154	192	346
Sundergarh	2	--	1347	1078	2425
Jharsuguda	10	2538	3742	1918	8198
TOTAL: ORISSA	26	4764	14203	9582	28549

STATEMENT No. 1.7 (cont.)
EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
Telangana					
Adilabad	22	16174	2199	1476	19849
Karimnagar	21	18665	8021	4315	31001
Khammam	11	3208	4759	3655	11622
Warangal	6	5218	438	452	6108
TOTAL: Telangana	60	43265	15417	9898	68580
UTTAR PRADESH					
Sonebhadra	5	--	5191	5464	10655
WEST BENGAL					
Bankura	5	534	680	648	1862
Birbhum	2	--	200	14	214
Burdwan	94	37093	4243	15628	56964
Purulia	2	1416	--	453	1869
TOTAL: WEST BENGAL	103	39043	5123	16743	60909
ALL INDIA : COAL	571	199490	104518	113211	417219
2. LIGNITE					
GUJARAT					
Bharuch	2	--	603	169	772
Bhavanagar	2	--	280	201	481
Kutch	2	--	758	451	1209
Surat	3	--	417	62	479
TOTAL: GUJARAT	9	--	2058	883	2941
RAJASTHAN					
Barmer	3	--	786	453	1239
Bikaner	2	--	299	5	304
Nagaur	1	--	92	118	210
TOTAL: RAJASTHAN	6	--	1177	576	1753
TAMILNADU					
Cuddalore	2	--	6959	3266	10225
ALL INDIA : LIGNITE	17	--	10194	4725	14919
ALL INDIA :	588	199490	114712	117936	432138

STATEMENT NO.1.8
TREND IN OUTPUT OF COAL

YEAR	MAJOR STATES (IN MILLION TONNES)						PLACE OF WORK (IN'000 TONNES)						TOTAL
	ANDHRA PRADESH	CHATT- ISGARH	JHAR- KHAND	MADHYA@ PRADESH	MAHA- RASHTRA	ORISSA	TAMIL- NADU	Tela- ngana	WEST BENGAL	ALL*	BELOW- GROUND	OPEN- CAST	
1	2	3	4	5	6	7	8	9	10	11	12	13	14
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
2013	58.7	121.1	100.1	62.0	39.8	103.4	25.3	...	27.3	589.5	64,746	524,767	589,513
2014	...	134.6	108.7	63.2	42.6	123.9	23.9	72.9	29.9	650.6	64,367	586,229	650,596

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

STATEMENT NO. 1.9

RAISING, DESPATCH AND VALUE OF COAL DURING THE YEAR, 2014.

(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
1. COAL										
ASSAM										
Tinsukia	4	39944	729971	8237	--	6	8237	695227	74682	1348966
CHATTISGARH										
Bilaspur	2	43683	181990	--	--	62	168812	43190	13609	181990
Raiigarh	10	696840	22754562	302767	--	444	--	23427394	6599331	21980982
Surguja	17	518619	9262074	1585140	--	131412	2089960	8623572	520889	15029892
Korea	18	164373	5607833	2018739	--	7396	1777255	5838352	167942	17065453
Korba	18	2220042	96250444	818633	--	517	484067	93696582	5107953	94040318
Surajpur	1	330632	599379	--	--	--	--	672309	257702	599379
TOTAL : CHATTISGARH	66	10247189	134656282	4725279	--	139831	4520094	132301399	12667426	148898014
JHARKHAND										
Deoghar	2	42289	1570884	499509	--	1439	499509	1502634	109100	4777355
Dhanbad	85	5941297	37480480	2962814	--	76123	2390874	37986550	5931044	52000880
Koderma	1	147562	1582805	--	--	--	--	1456485	273882	1821603
Dhanbad	7	312418	3306959	--	--	5784	624647	2790400	198546	6144409
Giridih	3	71493	1034962	303199	--	240	303205	725322	380887	1034962
Godda	1	--	388863	52212	--	655	--	440420	--	15170026
Hazaribagh	33	2337099	14894903	1639371	--	56000	2375937	14437856	2001580	20282258
Palamau	4	85152	1174381	--	--	--	--	1144056	115477	1174381
Ranchi	6	1960284	4164598	2755817	--	--	282801	8288305	309593	7902300
Sahibganj	1	176176	--	--	--	72	52211	2412	121481	--
Bokaro	21	2165333	21164393	2076209	--	1516	2971943	20274706	2157770	42596906
Pakur	1	164248	381692	--	--	--	--	377327	168613	550305
Chatra	3	2190830	20061847	--	--	72	2645097	18228125	1379383	20061847
Latehar	1	162	281742	--	--	--	--	281746	158	563596
Ramgarh	3	865835	1218885	--	--	308	48363	1597075	438974	1461819
TOTAL : JHARKHAND	172	16460178	108707394	10289131	--	142209	12194587	109533419	13586488	175542647
JAMMU & KASHMIR										
Rajauri	1	5497	10468	--	--	48	--	6552	9365	64535
MADHYA PRADESH										
Narsigpur	1	15074	326215	--	--	364	15596	318477	6852	389650
Betul	7	31832	3295510	--	--	382	--	3292425	34535	15191396
Chhindwara	24	76803	3037612	470418	--	2033	1248742	2192738	141320	3916747
Shahdol	27	377571	9845011	6328403	--	1823	2421300	13372494	755368	13836967
Sidhi	4	3963275	37029000	--	--	--	--	40248557	743718	38816703
Umaria	8	153446	2128342	1731064	--	688	1542578	2306720	162866	3349856
Anuppur	3	148331	1901982	--	--	360	1486167	453736	110050	4459692
Singrauli	2	457461	5612448	--	--	--	--	5779140	290769	9529512
TOTAL : MADHYA PRADESH	76	5223793	63176120	8529885	--	5650	6714383	67964287	2245478	89490523

STATEMENT NO. 1.9 (cont.)

RAISING, DESPATCH AND VALUE OF COAL DURING THE YEAR, 2014.

(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/>										
MAHARASHTRA										
Chandrapur	30	802971	22086637	5451744	--	2260	4412602	22936941	989549	41735298
Nagpur	14	2071670	8772918	2992223	--	533	1078520	11444552	1313206	11585672
Yavatmal	14	1974822	11730462	--	--	200	--	11236092	2468992	13345920
TOTAL : MAHARASHTRA	58	4849463	42590017	8443967	--	2993	5491122	45617585	4771747	66666890
ORISSA										
Angul	13	2539600	72158947	22935772	--	3185	22854221	70704293	4072620	190440789
Sambalpur	1	109521	2329800	--	--	--	--	2305464	133857	7400000
Sundergarh	2	6451475	9473731	1362527	--	--	--	12002153	5285580	9473731
Jharsuguda	10	939145	39919900	4942703	--	2500505	2405445	28184827	12710971	36492304
TOTAL : ORISSA	26	10039741	123882378	29241002	--	2503690	25259666	113196737	22203028	243806824
Telangana										
Adilabad	22	352718	12169943	--	--	--	--	12392802	129859	21904934
Karimnagar	21	629907	30308886	1143250	--	--	--	31043526	1038517	123154630
Khammam	11	562625	27590303	--	--	--	--	20448732	7704196	57735387
Warangal	6	72484	2844188	--	--	108	--	2460253	456311	6760261
TOTAL : Telangana	60	1617734	72913320	1143250	--	108	--	66345313	9328883	209555212
UTTAR PRADESH										
Sonebhadra	5	1750206	27927000	580952	--	--	3791988	25495102	971068	77911314
WEST BENGAL										
Bankura	5	38373	2569871	--	--	491	87218	2487358	33177	5456258
Birbhum	2	16746	398006	--	--	--	--	404844	9908	913513
Burdwan	94	2038344	26799193	5515368	--	258977	3744532	28515027	1834369	82768674
Purulia	2	16486	113811	49970	--	426	49970	112569	17302	425000
TOTAL : WEST BENGAL	103	2109949	29880881	5565338	--	259894	3881720	31519798	1894756	89563445
ALL INDIA : COAL	571	52343694	604473831	68527041	--	3054429	61861797	592675419	67752921	1102848370
2. LIGNITE										
GUJARAT										
Bharuch	2	--	2693002	--	--	--	--	2693002	--	19373566
Bhavanagar	2	44604	1457596	--	--	--	--	1483111	19089	1939675
Kutch	2	--	6090889	--	--	--	--	6090889	--	21071343
Surat	3	53685	2634199	--	--	--	--	2687884	--	10333408
TOTAL : GUJARAT	9	98289	12875686	--	--	--	--	12954886	19089	52717992
RAJASTHAN										
Barmer	3	2598	6836568	--	--	--	--	6830998	8168	11691726
Bikaner	2	53204	2177417	--	--	--	--	2179883	50738	18050785
Nagaur	1	--	298511	--	--	--	--	298511	--	582100
TOTAL : RAJASTHAN	6	55802	9312496	--	--	--	--	9309392	58906	30324611

STATEMENT NO. 1.9 (cont.)

RAISING, DESPATCH AND VALUE OF COAL DURING THE YEAR, 2014.

(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
TAMILNADU Cuddalore	2	970378	23934660	--	--	--	--	24422702	482336	26656717
ALL INDIA : LIGNITE	17	1124469	46122842	--	--	--	--	46686980	560331	109699320
ALL INDIA : All COAL	588	53468163	650596673	68527041	--	3054429	61861797	639362399	68313252	1212547690

* : 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, 2014 - 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	74	6680227	39859083	2962688	--	75592	3015421	40034408	6376577	55738120
CCL	64	9200606	57533858	6774596	--	57398	8627346	58450596	6373720	86824057
ECL	111	1874253	24384150	6117185	--	268375	4433540	25875566	1798107	77455552
MCL	25	9930220	121552578	29241002	--	2503690	25259666	110891273	22069171	236406824
NCL	10	6170742	69626000	580952	--	--	3791988	70669060	1916646	124915483
NEC	4	39944	729971	8237	--	6	8237	695227	74682	1348966
SECL	94	4529754	128326876	12784746	--	142258	9970139	127828751	7700228	152572031
WCL	83	4853480	42973824	8914385	--	5325	6739864	45260953	4735547	78268261
CIL	465	43279226	484986340	67383791	--	3052644	61846201	479705834	51044678	813529294
JSMDC	1	162	281742	--	--	--	--	281746	158	563596
DVC	1	19653	16699	--	--	154	--	21196	15002	--
GMDC	5	--	9157720	--	--	--	--	9157720	--	25967976
IISCO	4	4278	631582	--	--	--	--	631582	4278	1006763
J&K Min.	1	5497	10468	--	--	48	--	6552	9365	64535
NLC	3	970378	25348898	--	--	--	--	25836940	482336	38380751
SCCL	60	1617734	72913320	1143250	--	108	--	66345313	9328883	209555212
TISCO	8	3399	6084087	--	--	584	--	5820361	266541	7373013
RSMDC	1	--	550146	--	--	--	--	550146	--	4600000
PIL	2	3031	1084390	--	--	--	--	1085999	1422	856290
GIPCL	3	53685	3542082	--	--	--	--	3595767	--	26140668
GHCL	1	44604	175884	--	--	--	--	201399	19089	609348
JINDAL	1	6369709	5962515	--	--	--	--	6976656	5355568	5962515
BENGALEMTA	3	20261	2339634	--	--	--	--	2345194	14701	4691606
BLAI	1	15074	326215	--	--	364	15596	318477	6852	389650
ICML	1	261768	3631172	--	--	--	--	3764395	128545	24334039
INDAL	1	109521	2329800	--	--	--	--	2305464	133857	7400000
MIL	1	1220	1068361	--	--	300	--	1069173	108	1068361
CTL	1	19700	--	--	--	--	--	--	19700	--
RSMML	2	--	961201	--	--	--	--	961201	--	1517900
PCML	1	164248	381692	--	--	--	--	377327	168613	550305
JNL	1	8418	640030	--	--	144	--	610653	37651	640030
RASL	2	10066	3481447	--	--	--	--	3426060	65453	2391900
SISCL	2	25802	6614476	--	--	--	--	6080965	559313	6614476
ELCALTD	1	283749	517560	--	--	--	--	552605	248704	755638
VSLPPL	1	53204	763179	--	--	--	--	765645	50738	6326751
WBMD&TCL	1	34154	497137	--	--	--	--	510349	20942	2562122
UML	1	2071	728292	--	--	--	--	694329	36034	728292
DVC EMTA	1	81	1307330	--	--	--	--	1307354	57	2128732
SEML	2	14602	952270	--	--	--	--	916188	50684	960206
TUML	1	3100	262631	--	--	83	--	260822	4826	1812152
MSMCL	2	200	942448	--	--	--	--	853739	88909	1342046
BLMCL	1	2598	5623732	--	--	--	--	5618162	8168	6155926
JAL	2	--	--	--	--	--	--	--	--	--
SOVA	1	1517	394257	--	--	--	--	386209	9565	394257
RRVUN Ltd.	1	--	2997508	--	--	--	--	2997508	--	2082912
KECML	1	65453	3090428	--	--	--	--	3023369	132512	3090428
ALL INDIA : ALL COAL	588	53468163	650596673	68527041	--	3054429	61861797	639362399	68313252	1212547690

STATEMENT NO. 1.11

PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR,
(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
ASSAM									
Tinsukia	3235	--	--	3235	--	3235	--	--	--
CHATTISGARH									
Bilaspur	181990	--	--	181990	--	181990	--	--	--
Raigarh	1676471	--	--	1676471	--	196522	1479949	--	--
Surguja	2496931	185285	--	2311646	--	1353845	1143086	--	--
Korea	5207248	--	1413480	3793768	--	1216519	3990729	--	--
Korba	1903168	--	94930	1808238	--	688461	1214707	--	--
Surajpur	--	--	--	--	--	--	--	--	--
TOTAL : CHATTISGARH	11465808	185285	1508410	9772113	--	3637337	7828471	--	--
JHARKHAND									
Deoghar	--	--	--	--	--	--	--	--	--
Dhanbad	6821841	386574	344443	6090824	--	2465364	4356477	--	--
Koderma	--	--	--	--	--	--	--	--	--
Dhanbad	313248	59880	--	253368	--	247522	65726	--	--
Giridih	--	--	--	--	--	--	--	--	--
Godda	--	--	--	--	--	--	--	--	--
Hazaribagh	597889	--	--	597889	--	246374	351515	--	--
Palamau	--	--	--	--	--	--	--	--	--
Ranchi	27535	--	--	27535	--	27535	--	--	--
Sahibganj	--	--	--	--	--	--	--	--	--
Bokaro	897696	--	517560	380136	--	234049	663647	--	--
Pakur	--	--	--	--	--	--	--	--	--
Chatra	25345	--	--	25345	--	25345	--	--	--
Latehar	--	--	--	--	--	--	--	--	--
Ramgarh	46748	--	--	46748	--	46748	--	--	--
TOTAL : JHARKHAND	8730302	446454	862003	7421845	--	3292937	5437365	--	--
JAMMU & KASHMIR									
Rajauri	10468	--	--	10468	--	10468	--	--	--
MADHYA PRADESH									
Narsipur	--	--	--	--	--	--	--	--	--
Betul	3295510	--	--	3295510	--	817539	2477971	--	--
Chhindwara	2129217	--	626175	1503042	--	668352	1460865	--	--
Shahdol	5780268	--	--	5780268	--	3196556	2583712	--	--
Sidhi	--	--	--	--	--	--	--	--	--
Umaria	1393499	--	--	1393499	--	316617	1076882	--	--
Anuppur	715112	--	--	715112	--	--	715112	--	--
Singrauli	--	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	13313606	--	626175	12687431	--	4999064	8314542	--	--
MAHARASHTRA									
Chandrapur	1083453	--	--	1083453	--	404377	679076	--	--
Nagpur	1694113	--	--	1694113	--	499041	1195072	--	--
Yavatmal	248550	--	--	248550	--	248550	--	--	--
TOTAL : MAHARASHTRA	3026116	--	--	3026116	--	1151968	1874148	--	--
ORISSA									
Angul	295542	--	--	295542	--	74639	220903	--	--
Sundergarh	--	--	--	--	--	--	--	--	--
Jharsuguda	1138770	--	31872	1106898	--	794287	344483	--	--
TOTAL : ORISSA	1434312	--	31872	1402440	--	868926	565386	--	--
Telangana									
Adilabad	4047709	252699	1057760	2737250	--	1042852	3004857	--	--
Karimnagar	9941906	--	979142	8962764	--	4470095	5471811	--	--
Khammam	1380345	--	--	1380345	--	123748	1256597	--	--
Warangal	1377551	--	--	1377551	--	172547	1205004	--	--
TOTAL : Telangana	16747511	252699	2036902	14457910	--	5809242	10938269	--	--
UTTAR PRADESH									
Sonebhadra	--	--	--	--	--	--	--	--	--
WEST BENGAL									
Bankura	102706	--	102706	--	--	--	102706	--	--
Birbhum	--	--	--	--	--	--	--	--	--
Burdwan	9419352	2468023	649770	6204420	97139	5057552	4361800	--	--
Purulia	113811	--	--	113811	--	113811	--	--	--
TOTAL : WEST BENGAL	9635869	2468023	752476	6318231	97139	5171363	4464506	--	--

STATEMENT NO. 1.11 (cont.)

PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR,
(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
GUJARAT									
Bharuch	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	--	--	--	--	--	--
RAJASTHAN									
Barmer	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--
TAMILNADU									
Cuddalore	--	--	--	--	--	--	--	--	--
ALL INDIA : COAL :	64367227	3352461	5817838	55099789	97139	24944540	39422687	--	--

STATEMENT NO. 1.12

PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2014.

(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		
				DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS CAVING / FINAL STOWING	OPERATION		
1	2	3	4	5	6	7	8	9	10
BCCL	5031003	123521	--	4907482	--	1764595	3266408	--	--
CCL	977690	--	--	977690	--	570395	407295	--	--
ECL	10207279	2527903	821470	6760767	97139	5590405	4616874	--	--
MCL	1434312	--	31872	1402440	--	868926	565386	--	--
NCL	--	--	--	--	--	--	--	--	--
NEC	3235	--	--	3235	--	3235	--	--	--
SECL	17958696	185285	1508410	16265001	--	7150510	10808186	--	--
WCL	8265383	--	626175	7639208	--	2637859	5627524	--	--
 CIL	 43877598	 2836709	 2987927	 37955823	 97139	 18585925	 25291673	 --	 --
JSMDC	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--
IISCO	239489	--	--	239489	--	73996	165493	--	--
J&K Min.	10468	--	--	10468	--	10468	--	--	--
NLC	--	--	--	--	--	--	--	--	--
SCCL	16747511	252699	2036902	14457910	--	5809242	10938269	--	--
TISCO	1393150	263053	275449	854648	--	464909	928241	--	--
RSMDC	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--
BECML	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--
MIL	1068361	--	--	1068361	--	--	1068361	--	--
RSMML	--	--	--	--	--	--	--	--	--
PCML	--	--	--	--	--	--	--	--	--
JNL	327630	--	--	327630	--	--	327630	--	--
RASL	--	--	--	--	--	--	--	--	--
SISCL	185460	--	--	185460	--	--	185460	--	--
ELCALTD	517560	--	517560	--	--	--	517560	--	--
VSLPPL	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--
TUML	--	--	--	--	--	--	--	--	--
MSMCL	--	--	--	--	--	--	--	--	--
BLMCL	--	--	--	--	--	--	--	--	--
SOVA	--	--	--	--	--	--	--	--	--
RRVUN Ltd.	--	--	--	--	--	--	--	--	--
KECML	--	--	--	--	--	--	--	--	--
 ALL INDIA : COAL	 64367227	 3352461	 5817838	 55099789	 97139	 24944540	 39422687	 --	 --

STATEMENT NO. 1.13(cont.)

PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION
AND OVERBURDEN REMOVED DURING THE YEAR, 2014

(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
1. COAL					
ASSAM					
Tinsukia	726736	726736	--	--	13409
CHATTISGARH					
Bilaspur	--	--	--	--	--
Raigarh	21078091	21078091	--	--	8217
Surguja	6765143	6765143	--	--	9817
Korea	400585	400585	--	--	1105
Korba	94347276	94347276	--	--	60547
Surajpur	599379	599379	--	--	3631
TOTAL : CHATTISGARH	123190474	123190474	--	--	83317
JHARKHAND					
Deoghar	1570884	1570884	--	--	4862
Dhanbad	30658639	30658639	--	--	47981
Koderma	1582805	1582805	--	--	--
Dhanbad	2993711	2993711	--	--	7393
Giridih	1034962	1034962	--	--	7926
Godda	388863	388863	--	--	--
Hazaribagh	14297014	14297014	--	--	35894
Palamau	1174381	1174381	--	--	--
Ranchi	4137063	4137063	--	--	15424
Sahebganj	--	--	--	--	--
Bokaro	20266697	20266697	--	--	51006
Pakur	381692	381692	--	--	--
Chatra	20036502	20036502	--	--	6114
Latehar	281742	281742	--	--	8020
Ramgarh	1172137	1172137	--	--	2069
TOTAL : JHARKHAND	99977092	99977092	--	--	186689
JAMMU & KASHMIR					
Rajauri	--	--	--	--	--
MADHYA PRADESH					
Narsigpur	326215	326215	--	--	1520
Betul	--	--	--	--	--
Chhindwara	908395	908395	--	--	--
Shahdol	4064743	4064743	--	--	8647
Sidhi	37029000	37029000	--	--	48423
Umaria	734843	734843	--	--	--
Anuppur	1186870	1186870	--	--	5277
Singrauli	5612448	5612448	--	--	14631
TOTAL : MADHYA PRADESH	49862514	49862514	--	--	78498
MAHARASHTRA					
Chandrapur	21003184	21003184	--	--	59513
Nagpur	7078805	7078805	--	--	9858
Yavatmal	11481912	11481912	--	--	20795
TOTAL : MAHARASHTRA	39563901	39563901	--	--	90166
ORISSA					
Angul	71863405	71863405	--	--	46708
Sambalpur	2329800	2329800	--	--	2103
Sundergarh	9473731	9473731	--	--	8205
Jharsuguda	38781130	38781130	--	--	40753
TOTAL : ORISSA	122448066	122448066	--	--	97769

STATEMENT NO. 1.13(cont.)

PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION
AND OVERBURDEN REMOVED DURING THE YEAR, 2014

(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
Telangana					
Adilabad	8122234	8122234	--	--	43734
Karimnagar	20366980	20366980	--	--	95281
Khammam	26209958	26209958	--	--	61363
Warangal	1466637	1466637	--	--	--
TOTAL : Telangana	56165809	56165809	--	--	200378
UTTAR PRADESH					
Sonebhadra	27927000	27927000	--	--	67451
WEST BENGAL					
Bankura	2467165	2467165	--	--	18792
Birbhum	398006	398006	--	--	6721
Burdwan	17379841	17379841	--	--	42288
Purulia	--	--	--	--	--
TOTAL : WEST BENGAL	20245012	20245012	--	--	67801
ALL INDIA : COAL	540106604	540106604	--	--	885478
2. LIGNITE					
GUJARAT					
Baruch	2693002	2693002	--	--	10778
Bhavanagar	1457596	1457596	--	--	9377
Kutch	6090899	6090899	--	--	11073
Surat	2634199	2634199	--	--	11196
TOTAL : GUJARAT	12875686	12875686	--	--	42424
RAJASTHAN					
Barmer	6836568	6836568	--	--	46529
Bikaner	2177417	2177417	--	--	--
Nagaur	298511	298511	--	--	4202
TOTAL : RAJASTHAN	9312496	9312496	--	--	50731
TAMILNADU					
Cuddalore	23934660	23934660	--	--	88199
ALL INDIA : LIGNITE	46122842	46122842	--	--	181354
ALL INDIA : ALL COAL	586229446	586229446	--	--	1066832

STATEMENT NO. 1.14
PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION
AND OVERTBURDEN REMOVED DURING THE YEAR,

(IN TONNES)

(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	34828080	34828080	--	--	61618
CCL	56556168	56556168	--	--	105394
ECL	14176871	14176871	--	--	40517
MCL	120118266	120118266	--	--	95666
NCL	69626000	69626000	--	--	130505
NEC	726736	726736	--	--	13409
SECL	110368180	110368180	--	--	95365
WCL	34708441	34708441	--	--	81130
 CIL	 441108742	 441108742	--	--	 623604
JSMDC	281742	281742	--	--	8020
DVC	16699	16699	--	--	4059
GMDC	9157720	9157720	--	--	20450
IISCO	392093	392093	--	--	1200
J&K Min.	--	--	--	--	--
NLC	25348898	25348898	--	--	88199
SCCL	56165809	56165809	--	--	200378
TISCO	4690937	4690937	--	--	--
RSMDC	550146	550146	--	--	6476
PIL	1084390	1084390	--	--	--
GIPCL	3542082	3542082	--	--	21974
GHCL	175884	175884	--	--	--
JINDAL	5962515	5962515	--	--	87
BENGALEMTA	2339634	2339634	--	--	14778
BLAI	326215	326215	--	--	1520
ICML	3631172	3631172	--	--	9160
INDAL	2329800	2329800	--	--	2103
MIL	--	--	--	--	--
RSMML	961201	961201	--	--	12622
PCML	381692	381692	--	--	--
JNL	312400	312400	--	--	1789
RASL	3481447	3481447	--	--	5158
SISCL	6429016	6429016	--	--	--
ELCALTD	--	--	--	--	--
VSLPL	763179	763179	--	--	--
WBMD&TCL	497137	497137	--	--	--
UML	728292	728292	--	--	--
DVC EMTA	1307330	1307330	--	--	8406
SEML	952270	952270	--	--	--
TUML	262631	262631	--	--	--
MSMCL	942448	942448	--	--	--
BLMCL	5623732	5623732	--	--	31633
SOVA	394257	394257	--	--	1338
RRVUN Ltd.	2997508	2997508	--	--	--
KECML	3090428	3090428	--	--	3878
 ALL INDIA : COAL	 586229446	 586229446	--	--	 1066832

STATEMENT NO. 1.15

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2014 BY SIZE OF OVERALL OUTPUT : OWNERWISE

OWNER	NIL	OUTPUT IN TONNES													TOTAL
		1 TO 7200	2 TO 30000	3 TO 60000	4 TO 84000	5 TO 120000	6 TO 180000	7 TO 240000	8 TO 300000	9 TO 600000	10 TO 1000000	11 TO 1500000	12 TO 1500000 AND ABOVE	13	
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BCCL	13	4	4	7	3	6	6	5	1	6	6	3	10	74	
CCL	5	1	7	6	3	3	3	2	3	9	7	6	9	64	
ECL	10	3	15	23	11	18	8	4	4	7	3	3	2	111	
MCL	2	--	--	1	1	1	--	1	2	3	--	--	14	25	
NCL	--	--	--	--	--	--	--	--	--	--	--	--	10	10	
NEC	--	1	--	1	--	--	--	1	--	1	--	--	--	4	
SECL	11	--	1	3	3	8	13	10	6	22	4	7	6	94	
WCL	13	--	2	2	3	8	9	5	2	14	7	14	4	83	
CIL	54	9	29	43	24	44	39	28	18	62	27	33	55	465	
JSMDC	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
DVC	--	--	1	--	--	--	--	--	--	--	--	--	--	1	
GMDC	--	--	--	--	--	--	--	--	--	1	2	2	2	5	
IISCO	--	--	1	--	1	--	--	1	--	1	--	--	--	4	
J&K Min.	--	--	1	--	--	--	--	--	--	--	--	--	--	1	
NLC	--	--	--	--	--	--	--	--	--	--	1	2	2	3	
SCCL	3	1	--	--	2	2	7	4	4	15	5	3	14	60	
TISCO	1	--	--	--	--	--	--	--	4	1	--	1	1	8	
RSMDC	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
PIL	--	--	--	--	--	--	--	1	--	--	1	--	--	2	
GIPCL	--	--	--	--	--	--	--	--	--	--	2	--	1	3	
GHCL	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
BENGALEMTA	--	--	--	--	--	--	--	2	--	--	--	--	1	3	
BLAI	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
ICML	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
INDAL	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
MIL	--	--	--	--	--	--	--	--	--	--	--	1	--	1	
CTL	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
RSML	--	--	--	--	--	--	--	--	1	--	1	--	--	2	
PCML	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
JNL	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
RASL	--	--	--	--	--	--	--	--	--	--	--	1	1	2	
SISCL	--	--	--	--	--	--	--	1	--	--	--	--	1	2	
ELCALTD	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
VSLPPL	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
WBMD&TCL	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
UML	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	1	--	1	
SEML	--	--	1	--	--	--	--	--	--	--	1	--	--	2	
TUML	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
MSMCL	1	--	--	--	--	--	--	--	--	--	1	--	--	2	
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
JAL	2	--	--	--	--	--	--	--	--	--	--	--	--	2	
SOVA	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
RRVUN Ltd.	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
KECML	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
ALL INDIA	62	10	33	43	27	46	47	37	29	85	42	43	84	588	

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, 2014.

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T			OUTPUT (IN TONNES)			
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
ASSAM									
Tinsukia	B	1	274	--	182	456	3235	--	3235
	O	3	--	870	398	1268	--	726736	726736
CHATTISGARH									
Bilaspur	B	2	382	--	91	473	181990	--	181990
Raigarh	B	3	2118	--	384	2502	1348841	--	1348841
	O	5	--	909	414	1323	--	14336675	14336675
	BO	2	820	706	260	1786	327630	6741416	7069046
Surguja	B	9	4157	--	620	4777	2158116	--	2158116
	O	7	--	1788	394	2182	--	6693339	6693339
	BO	1	652	198	180	1030	338815	71804	410619
Korea	B	15	7109	--	1746	8855	5061623	--	5061623
	O	2	--	28	212	240	--	--	--
	BO	1	652	191	155	998	145625	400585	546210
Korba	B	12	3288	--	566	3854	1903168	--	1903168
	O	6	--	4898	3812	8710	--	94347276	94347276
Surajpur	O	1	--	67	9	76	--	599379	599379
TOTAL : CHATTISGARH	B	41	17054	--	3407	20461	10653738	--	10653738
	O	21	--	7690	4841	12531	--	115976669	115976669
	BO	4	2124	1095	595	3814	812070	7213805	8025875
GUJARAT									
Bharuch	O	2	--	503	141	644	--	2693002	2693002
Bhavanagar	O	2	--	233	167	400	--	1457596	1457596
Kutch	O	2	--	632	376	1008	--	6090889	6090889
Surat	O	3	--	347	52	399	--	2634199	2634199
TOTAL : GUJARAT	O	9	--	1715	736	2451	--	12875686	12875686
JHARKHAND									
Deoghar	O	2	--	531	527	1058	--	1570884	1570884
Dhanbad	B	48	18886	--	5620	24506	5338712	--	5338712
	O	15	--	4237	2411	6648	--	16188521	16188521
	BO	22	9925	4796	3165	17886	1483129	14470118	15953247
Koderma	O	1	--	395	278	673	--	1582805	1582805
Dhanbad	B	3	541	--	294	835	99848	--	99848
	O	1	--	33	8	41	--	348152	348152
	BO	3	1525	1017	511	3053	213400	2645559	2858959
Giridih	O	3	--	270	321	591	--	1034962	1034962
Godda	O	1	--	254	179	433	--	388863	388863
Hazaribagh	B	11	3005	--	809	3814	545436	--	545436
	O	20	--	4079	4328	8407	--	12938313	12938313
	BO	2	571	372	296	1239	52453	1358701	1411154
Palamau	O	4	--	425	376	801	--	1174381	1174381
Ranchi	B	1	223	--	129	352	27535	--	27535
	O	5	--	1187	1307	2494	--	4137063	4137063
Sahebganj	O	1	--	26	11	37	--	--	--
Bokaro	B	6	2073	--	434	2507	280173	--	280173
	O	13	--	5646	2488	8134	--	20140037	20140037
	BO	2	1172	290	252	1714	617523	126660	744183
Pakur	O	1	--	460	1429	1889	--	381692	381692
Chatra	B	1	346	--	154	500	25345	--	25345
	O	2	--	985	774	1759	--	20036502	20036502

STATEMENT NO. 1.16
AVERAGE DAILY EMPLOYMENT AND OUTPUT BY TYPE OF MINE WORKINGS DURING THE YEAR, 2014.

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	8	9	10
Latehar	O	1	--	63	41	104	--	281742	281742
	Ramgarh	B	1	403	--	140	543	46748	--
		O	2	--	657	197	854	--	1172137
TOTAL : JHARKHAND	B	71	25477	--	7580	33057	6363797	--	6363797
	O	72	--	19248	14675	33923	--	81376054	81376054
	BO	29	13193	6475	4224	23892	2366505	18601038	20967543
JAMMU & KASHMIR									
Rajauri	B	1	241	--	63	304	10468	--	10468
MADHYA PRADESH									
Narsigpur	O	1	--	128	254	382	--	326215	326215
Betul	B	7	3839	--	510	4349	3295510	--	3295510
Chhindwara	B	16	4312	--	708	5020	1912502	--	1912502
	O	7	--	280	147	427	--	908395	908395
	BO	1	448	12	100	560	216715	--	216715
Shahdol	B	21	10266	--	2617	12883	5780268	--	5780268
	O	6	--	806	1926	2732	--	4064743	4064743
Sidhi	O	4	--	9153	3821	12974	--	37029000	37029000
Umaria	B	7	4726	--	1208	5934	1393499	--	1393499
	O	1	--	63	22	85	--	734843	734843
Anuppur	B	2	1352	--	210	1562	715112	--	715112
	O	1	--	347	128	475	--	1186870	1186870
Singrauli	O	2	--	743	489	1232	--	5612448	5612448
TOTAL : MADHYA PRADESH	B	53	24495	--	5253	29748	13096891	--	13096891
	O	22	--	11520	6787	18307	--	49862514	49862514
	BO	1	448	12	100	560	216715	--	216715
MAHARASHTRA									
Chandrapur	B	12	4373	--	1603	5976	1083453	--	1083453
	O	18	--	3235	5641	8876	--	21003184	21003184
Nagpur	B	8	3793	--	936	4729	1694113	--	1694113
	O	6	--	1090	1371	2461	--	7078805	7078805
Yavatmal	B	2	630	--	207	837	248550	--	248550
	O	12	--	2347	1518	3865	--	11481912	11481912
TOTAL : MAHARASHTRA	B	22	8796	--	2746	11542	3026116	--	3026116
	O	36	--	6672	8530	15202	--	39563901	39563901
ORISSA									
Angul	B	4	1855	--	683	2538	295542	--	295542
	O	9	--	6434	4647	11081	--	71863405	71863405
Sambalpur	O	1	--	128	160	288	--	2329800	2329800
Sundergarh	O	2	--	1123	148	1271	--	9473731	9473731
Jharsuguda	B	5	2115	--	499	2614	1138770	--	1138770
	O	5	--	3118	1099	4217	--	38781130	38781130
TOTAL : ORISSA	B	9	3970	--	1182	5152	1434312	--	1434312
	O	17	--	10803	6054	16857	--	122448066	122448066

STATEMENT NO. 1.16
AVERAGE DAILY EMPLOYMENT AND OUTPUT BY TYPE OF MINE WORKINGS DURING THE YEAR, 2014.

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T			TOTAL	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		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	8	9	10
RAJASTHAN									
Barmer	O	3	--	655	377	1032	--	6836568	6836568
Bikaner	O	2	--	249	4	253	--	2177417	2177417
Nagaur	O	1	--	77	21	98	--	298511	298511
TOTAL : RAJASTHAN	O	6	--	981	402	1383	--	9312496	9312496
Telangana									
Adilabad	B	15	13478	--	1074	14552	4047709	--	4047709
	O	7	--	1784	154	1938	--	8122234	8122234
Karimnagar	B	15	15495	--	1296	16791	9941906	--	9941906
	O	6	--	6637	2272	8909	--	20366980	20366980
Khammam	B	5	2673	--	482	3155	1380345	--	1380345
	O	6	--	3965	2563	6528	--	26209958	26209958
Warangal	B	5	4349	--	369	4718	1377551	--	1377551
	O	1	--	230	9	239	--	1466637	1466637
TOTAL : Telangana	B	40	35995	--	3221	39216	16747511	--	16747511
	O	20	--	12616	4998	17614	--	56165809	56165809
TAMILNADU									
Cuddalore	O	2	--	5800	2722	8522	--	23934660	23934660
UTTAR PRADESH									
Sonebhadra	O	5	--	4326	4554	8880	--	27927000	27927000
WEST BENGAL									
Bankura	B	1	445	--	133	578	102706	--	102706
	O	4	--	566	407	973	--	2467165	2467165
Birbhum	O	2	--	165	12	177	--	398006	398006
Burdwan	B	73	28522	--	9844	38366	7037042	372471	7409513
	O	14	--	2579	2147	4726	--	14556750	14556750
	BO	7	2363	959	1064	4386	2382310	2450620	4832930
Purulia	B	2	1180	--	378	1558	113811	--	113811
TOTAL : WEST BENGAL	B	76	30147	--	10355	40502	7253559	372471	7626030
	O	20	--	3310	2566	5876	--	17421921	17421921
	BO	7	2363	959	1064	4386	2382310	2450620	4832930
ALL INDIA : ALL COAL									
	B	314	146449	--	33989	180438	58589627	--	58962098
	O	233	--	85551	57263	142814	--	557591512	557591512
	BO	41	18128	8541	5983	32652	5777600	28265463	34043063
ALL INDIA :	ALL	588	164577	94092	97235	355904	64367227	586229446	650596673

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, 2014 : OWNERWISE

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
BCCL	B	38	12867	--	4544	17411	3785339	--	3785339
	O	14	--	4386	2767	7153	--	18152853	18152853
	BO	22	9515	5524	3487	18526	1245664	16675227	17920891
CCL	B	19	6050	--	1666	7716	925237	--	925237
	O	43	--	11891	9001	20892	--	55197467	55197467
	BO	2	571	372	296	1239	52453	1358701	1411154
ECL	B	84	32541	--	11354	43895	7760130	372471	8132601
	O	19	--	2696	2380	5076	--	11154161	11154161
	BO	8	2641	927	900	4468	2447149	2650239	5097388
MCL	B	9	3970	--	1182	5152	1434312	--	1434312
	O	16	--	10675	5894	16569	--	120118266	120118266
NCL	O	10	--	13949	8817	22766	--	69626000	69626000
NEC	B	1	274	--	182	456	3235	--	3235
	O	3	--	870	398	1268	--	726736	726736
SECL	B	69	31721	--	6966	38687	17474256	--	17474256
	O	23	--	7821	6552	14373	--	109895791	109895791
	BO	2	1304	389	335	2028	484440	472389	956829
WCL	B	43	16585	--	3921	20506	8048668	--	8048668
	O	39	--	6083	8569	14652	--	34708441	34708441
	BO	1	448	12	100	560	216715	--	216715
CIL	B	263	104008	--	29815	133823	39431177	372471	39803648
	O	167	--	58371	44378	102749	--	419579715	419579715
	BO	35	14479	7224	5118	26821	4446421	21156556	25602977
JSMDC	O	1	--	63	41	104	--	281742	281742
DVC	O	1	--	52	86	138	--	16699	16699
GMDC	O	5	--	1348	613	1961	--	9157720	9157720
IISCO	B	1	122	--	25	147	73996	--	73996
	O	1	--	60	1	61	--	24602	24602
	BO	2	989	470	439	1898	165493	367491	532984
J&K Min.	B	1	241	--	63	304	10468	--	10468
NLC	O	3	--	5948	2726	8674	--	25348898	25348898
SCCL	B	40	35995	--	3221	39216	16747511	--	16747511
	O	20	--	12616	4998	17614	--	56165809	56165809
TISCO	B	4	4044	--	346	4390	1072654	--	1072654
	O	3	--	1132	441	1573	--	4690937	4690937
	BO	1	1053	29	52	1134	320496	--	320496
RSMDC	O	1	--	64	33	97	--	550146	550146
PIL	O	2	--	216	45	261	--	1084390	1084390
GIPCL	O	3	--	354	60	414	--	3542082	3542082
GHCL	O	1	--	13	63	76	--	175884	175884
JINDAL	O	1	--	373	196	569	--	5962515	5962515
BECML	O	2	--	406	84	490	--	2151246	2151246
BENGALEMTA	O	1	--	65	2	67	--	188388	188388
BLAI	O	1	--	128	254	382	--	326215	326215
ICML	O	1	--	690	355	1045	--	3631172	3631172
HINDALCO	O	1	--	128	160	288	--	2329800	2329800
MIL	B	1	1569	--	305	1874	1068361	--	1068361
CTL	O	1	--	4	41	45	--	--	--
RSMMML	O	2	--	178	51	229	--	961201	961201
PCML	O	1	--	460	1429	1889	--	381692	381692
JNL	BO	1	742	124	260	1126	327630	312400	640030
RASL	O	2	--	501	74	575	--	3481447	3481447
SISCL	B	1	342	--	36	378	185460	--	185460

STATEMENT NO. 1.17 (cont.)
AVERAGE DAILY EMPLOYMENT AND OUTPUT BY TYPE OF MINE WORKINGS DURING THE YEAR, 2014 : OWNERWISE

OWNER	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T			OUTPUT (IN TONNES)			
			B ELOWGROUND	O PENC A ST	A BOVE GROUN D	TOTAL	B ELOWGROUND	O PENC A ST	
1	2	3	4	5	6	7	8	9	10
	BO	1	78	582	--	660	--	6429016	6429016
ELCALTD	BO	1	787	112	114	1013	517560	--	517560
VSLPPL	O	1	--	101	--	101	--	763179	763179
WBMD&TCL	O	1	--	79	323	402	--	497137	497137
UML	O	1	--	170	222	392	--	728292	728292
DVC EMTA	O	1	--	309	22	331	--	1307330	1307330
SEML	O	1	--	104	21	125	--	933374	933374
BSIL	O	1	--	45	14	59	--	18896	18896
TUML	O	1	--	58	11	69	--	262631	262631
MSMCL	B	1	108	--	171	279	--	--	--
	O	1	--	273	47	320	--	942448	942448
JAL	B	1	20	--	7	27	--	--	--
BLMCL	O	1	--	490	314	804	--	5623732	5623732
NTPC	B	1	--	--	--	--	--	--	--
SOVA	O	1	--	95	46	141	--	394257	394257
RRVUN Ltd.	O	1	--	282	74	356	--	2997508	2997508
KECML	O	1	--	375	38	413	--	3090428	3090428
ALL INDIA : OVER ALL	B	314	146449	--	33989	180438	58589627	--	58962098
	O	233	--	85551	57263	142814	--	557591512	557591512
	BO	41	18128	8541	5983	32652	5777600	28265463	34043063
ALL INDIA :	ALL	588	164577	94092	97235	355904	64367227	586229446	650596673

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, 2014.

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHTS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
	1	2	3	4	5	6	7
1. COAL						
ASSAM						
Tinsukia	12	835	423	0.04	2.68	1.36
CHATTISGARH						
Bilaspur	476	--	385	1.32	--	1.06
Raigarh	571	13051	4055	1.64	49.10	12.54
Surguja	519	3406	1159	1.45	10.25	3.30
Korea	671	1829	556	1.87	5.09	1.57
Korba	579	19262	7661	1.64	56.87	22.26
Surajpur	--	8946	7887	--	24.37	21.53
TOTAL : CHATTISGARH	598	14023	3659	1.68	43.20	10.58
JHARKHAND						
Deoghar	--	2958	1485	--	8.22	4.08
Dhanbad	237	3394	764	0.78	9.74	2.43
Koderma	--	4007	2352	--	11.01	6.46
Dhanbad	152	2851	842	0.47	8.01	2.54
Giridih	--	3833	1751	--	13.08	5.83
Godda	--	1531	898	--	4.19	2.46
Hazaribagh	167	3212	1107	0.54	10.42	3.50
Palamau	--	2763	1466	--	8.91	4.82
Ranchi	123	3485	1463	0.40	8.65	4.05
Sahebganj	--	0	0	--	0.00	0.00
Bokaro	277	3414	1713	0.91	10.93	5.49
Pakur	--	830	202	--	2.72	0.66
Chatra	73	20342	8881	0.24	60.13	27.35
Latehar	--	4472	2709	--	40.34	16.54
Ramgarh	116	1784	873	0.38	5.30	2.68
TOTAL : JHARKHAND	226	3887	1196	0.74	11.66	3.77
JAMMU & KASHMIR						
Rajaouri	43	--	34	0.14	--	0.11
MADHYA PRADESH						
Narsipur	--	2549	854	--	8.35	2.79
Betul	858	--	758	2.51	--	2.22
Chhindwara	447	3111	506	1.76	12.03	1.92
Shahdol	563	5043	630	1.73	15.54	1.99
Sidhi	--	4046	2854	--	21.33	9.86
Umaria	295	11664	354	0.82	45.68	0.99
Anuppur	529	3420	934	1.45	9.36	2.56
Singrauli	--	7554	4556	--	27.88	15.85
TOTAL : MADHYA PRADESH	534	4324	1300	1.65	20.30	4.17
MAHARASHTRA						
Chandrapur	248	6492	1487	0.76	20.35	4.76
Nagpur	447	6494	1220	1.35	19.92	3.77
Yavatmal	395	4892	2495	1.17	14.67	7.42
TOTAL : MAHARASHTRA	344	5930	1593	1.05	18.23	4.98
ORISSA						
Angul	159	11169	5298	0.52	33.31	16.09
Sambalpur	--	18202	8090	--	60.27	26.79
Sundergarh	--	8436	7454	--	25.10	22.20
Jharsuguda	538	12438	5844	1.77	34.59	17.42
TOTAL : ORISSA	361	11335	5629	1.18	33.14	17.00
Telangana						
Adilabad	300	4553	738	1.00	14.10	2.43
Karimnagar	642	3069	1179	2.08	9.80	3.78
Khammam	516	6610	2849	1.70	19.84	8.84
Warangal	317	6377	574	1.01	20.99	1.84
TOTAL : Telangana	465	4452	1283	1.52	13.88	4.12

STATEMENT NO. 1.18(cont.)
PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2014.

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
UTTAR PRADESH						
Sonebhadra	--	6456	3145	--	16.98	9.64
WEST BENGAL						
Bankura	231	4359	1657	0.79	13.65	5.09
Birbhum	--	2412	2249	--	7.95	7.48
Burdwan	305	4912	564	0.95	16.28	1.76
Purulia	96	--	73	0.32	--	0.24
TOTAL : WEST BENGAL	296	4742	589	0.92	15.59	1.84
ALL INDIA : COAL	391	6310	1760	1.23	20.00	5.49
2. LIGNITE						
GUJARAT						
Bharuch	--	5354	4182	--	16.65	13.07
Bhavanagar	--	6256	3644	--	20.71	11.81
Kutch	--	9637	6043	--	30.20	18.96
Surat	--	7591	6602	--	21.39	18.53
TOTAL : GUJARAT	--	7508	5253	--	23.12	16.24
RAJASTHAN						
Barmer	--	10438	6625	--	30.17	19.05
Bikaner	--	8745	8606	--	24.06	23.64
Nagaur	--	3877	3046	--	12.87	10.16
TOTAL : RAJASTHAN	--	9493	6734	--	27.37	19.39
TAMILNADU						
Cuddalore	--	4127	2809	--	14.87	9.75
ALL INDIA : LIGNITE	--	5429	3733	--	18.40	12.38
ALL INDIA : COAL & LIGNITE	391	6230	1828	1.23	19.86	5.72

STATEMENT NO. 1.19

PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2014 : OWNERWISE

(IN TONNES)

OWNER	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
BCCL	225	3514	925	0.74	9.96	2.90
CCL	148	4612	1928	0.48	14.29	6.02
ECL	290	3913	456	0.91	12.39	1.42
MCL	361	11252	5596	1.18	32.85	16.88
NCL	--	4991	3058	--	19.74	10.04
NEC	12	835	423	0.04	2.68	1.36
SECL	544	13443	2329	1.56	39.66	6.80
WCL	485	5695	1203	1.56	17.56	3.84
CIL	370	6725	1841	1.15	21.19	5.69
JSMDC	--	4472	2709	--	40.34	16.54
DVC	--	321	121	--	1.10	0.42
GMDC	--	6794	4670	--	21.56	14.87
IISCO	216	740	300	0.70	2.41	0.98
J&K Min.	43	--	34	0.14	--	0.11
NLC	--	4262	2922	--	15.24	10.10
SCCL	465	4452	1283	1.52	13.88	4.12
TISCO	273	4040	857	0.92	13.31	2.86
RSMDC	--	8596	5672	--	28.01	18.54
PIL	--	5020	4155	--	17.46	14.29
GIPCL	--	10006	8556	--	27.73	23.65
GHCL	--	13530	2314	--	39.34	6.47
JINDAL	--	15985	10479	--	315.76	63.89
BECML	--	5299	4390	--	15.78	13.01
BENGALEMTA	--	2898	2812	--	8.05	7.81
BLAI	--	2549	854	--	8.35	2.79
ICML	--	5263	3475	--	18.32	11.99
HINDALCO	--	18202	8090	--	60.27	26.79
MIL	681	--	570	1.87	--	1.56
CTL	--	0	0	--	0.00	0.00
RSMMI	--	5400	4197	--	17.87	13.92
PCML	--	830	202	--	2.72	0.66
JNL	442	2519	568	1.45	8.26	1.86
RASL	--	6949	6055	--	22.74	20.12
SISCL	442	11046	6372	1.40	31.55	19.04
ELCALTD	658	0	511	2.13	0.00	1.65
VSLPPL	--	7556	7556	--	21.02	21.02
WBMD&TCL	--	6293	1237	--	20.63	4.05
UML	--	4284	1858	--	14.03	6.31

STATEMENT NO. 1.19(cont.)

PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2014 : OWNERWISE

(IN TONNES)

OWNER	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
DVC EMTA	--	4231	3950	--	13.86	11.11
SEML	--	8975	7467	--	29.25	24.46
BSIL	--	420	320	--	1.15	0.88
TUML	--	4528	3806	--	12.41	10.43
MSMCL	0	3452	1573	0.00	17.24	5.94
JAL	0	--	0	0.00	--	0.00
BLMCL	--	11477	6995	--	31.89	19.43
NTPC	--	--	--	--	--	--
SOVA	--	4150	2796	--	11.80	7.97
RRVUN Ltd.	--	10629	8420	--	35.49	27.81
KECML	--	8241	7483	--	27.47	24.94
ALL INDIA	391	6230	1828	1.23	19.86	5.72

STATEMENT NO. 1.20

REGIONWISE EMPLOYMENT AND OUTPUT IN COAL MINES DURING THE YEAR, 2014.

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	52	16244	6386	6086	28716	2805013	21203272	24008285
Dhanbad II	16	5314	2125	2709	10148	556017	6819917	7375934
Dhanbad III	23	10086	2552	3512	16150	4279396	6558696	10838092
Koderma	27	2478	5875	3654	12007	392359	22343792	22736151
Central Zone	118	34122	16938	15961	67021	8032785	56925677	64958462
Guwahati	4	274	870	580	1724	3235	726736	729971
Sitarampur I	31	10929	313	4202	15444	1897180	1673941	3571121
Sitarampur II	58	17117	3304	7984	28405	5080034	18147463	23227497
Sitarampur III	18	4464	1669	3766	9899	2658655	2376184	5034839
Eastern Zone	111	32784	6156	16532	55472	9639104	22924324	32563428
Ahmedabad	4	--	865	543	1408	--	7548485	7548485
Surat	3	--	347	52	399	--	2634199	2634199
Udaipur	2	--	503	141	644	--	2693002	2693002
North Western Zone	9	--	1715	736	2451	--	12875686	12875686
Ajmer	6	--	981	402	1383	--	9312496	9312496
Ghaziabad	1	241	--	63	304	10468	--	10468
Varanasi	9	--	13479	8375	21854	--	64956000	64956000
Northern Zone	16	241	14460	8840	23541	10468	74268496	74278964
Hyderabad I	38	22517	10832	6991	40340	12699802	48043575	60743377
Hyderabad II	22	13478	1784	1228	16490	4047709	8122234	12169943
South Central Zone	60	35995	12616	8219	56830	16747511	56165809	72913320
Bhubaneswar	24	3970	9680	7088	20738	1434312	112974335	114408647
Chaibasa	2	--	1123	148	1271	--	9473731	9473731
Raigarh	27	7747	3601	2252	13600	4173402	27843234	32016636
Ranchi	50	4548	7768	8551	20867	697517	41098839	41796356
South Eastern Zone	103	16265	22172	18039	56476	6305231	191390139	197695370
Chennai	2	--	5800	2722	8522	--	23934660	23934660
Southern Zone	2	--	5800	2722	8522	--	23934660	23934660
Bilaspur	39	11431	5184	6591	23206	7292406	95347240	102639646
Jabalpur	41	16344	2087	6854	25285	7888879	11925119	19813998
Nagpur I	45	12392	1382	3772	17546	7118840	7987200	15106040
Nagpur II	44	5003	5582	8969	19554	1332003	32485096	33817099
Western Zone	169	45170	14235	26186	85591	23632128	147744655	171376783
ALL INDIA	588	164577	94092	97235	355904	64367227	586229446	650596673

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, 2014 : OWNERWISE

OWNER	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
BCCL	74	26859	11932	13117	51908
CCL	64	7979	14670	13036	35685
ECL	111	42249	4347	17522	64118
MCL	25	4764	14049	9390	28203
NCL	10	--	16739	10579	27318
NEC	4	329	1044	696	2069
SECL	94	41442	9927	16864	68233
WCL	83	20534	7437	15046	43017
CIL	465	144156	80145	96250	320551
JSMDC	1	--	76	49	125
DVC	1	--	62	103	165
GMDC	5	--	1617	736	2353
IISCO	4	1333	636	558	2527
J&K Min.	1	244	--	126	370
NLC	3	--	7137	3271	10408
SCCL	60	43265	15417	9898	68580
TISCO	8	6117	1393	1007	8517
RSMDC	1	--	77	40	117
PIL	2	--	260	54	314
GIPCL	3	--	425	71	496
GHCL	1	--	16	76	92
JINDAL	1	--	448	235	683
BECML	2	--	489	101	590
BENGALEMTA	1	--	78	2	80

STATEMENT NO. 1.21(cont.)
EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2014 : OWNERWISE

OWNER	NO. OF MINES	BELOW- GROUND	OPENCAST	ABOVE- GROUND	TOTAL
1	2	3	4	5	6
BLAI	1	--	154	305	459
ICML	1	--	828	426	1254
HINDALCO	1	--	154	192	346
MIL	1	1883	--	366	2249
CTL	1	--	5	49	54
RSMML	2	--	213	154	367
PCML	1	--	552	1715	2267
JNL	1	890	149	312	1351
RASL	2	--	692	89	781
SISCL	2	504	698	43	1245
ELCALTD	1	944	134	137	1215
VSLPPL	1	--	121	--	121
WBMD&TCL	1	--	95	388	483
UML	1	--	204	266	470
DVC EMTA	1	--	371	26	397
SEML	1	--	125	25	150
BSIL	1	--	54	17	71
TUML	1	--	70	13	83
MSMCL	2	130	327	261	718
BLMCL	1	--	588	377	965
NTPC	1	--	--	--	--
JAL	1	24	--	8	32
SOVA	1	--	114	55	169
RRVUN Ltd.	1	--	338	89	427
KECML	1	--	450	46	496
ALL INDIA	588	199490	114712	117936	432138

STATEMENT NO.1.22 TREND IN PRODUCTIVITY IN COAL MINES									(IN TONNES)	
YEAR	OUTPUT PER MANSHIFT					OUTPUT PER MAN YEAR				
	BELOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE		BELOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE	
	1	2	3	4	5	6	7	8	9	
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		
2013	1.21	18.67	7.24	5.15	386	6034	2314	1647		
2014	1.23	19.86	7.94	5.72	391	6230	2515	1828		

STATEMENT No. 1.23

TREND IN AVERAGE DAILY EMPLOYMENT : OWNERWISE

(IN THOUSAND)

NAME OF COMPANY	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
B.C.C.L	62.7	59.7	57.0	53.6	51.2	47.1	49.3	46.5	45.4	42.5	42.2	43.0
C.C.L	43.4	41.2	40.6	38.8	38.8	35.1	32.7	30.8	31.9	29.8	29.8	29.8
E.C.L	81.7	78.9	77.2	73.6	72.2	70.2	68.4	64.2	60.7	58.2	57.3	53.4
M.C.L	18.4	17.7	17.2	16.1	16.3	16.2	18.1	18.6	19.0	19.9	21.2	21.7
N.C.L	12.9	12.9	13.4	13.8	16.0	16.7	17.3	17.1	18.4	20.5	20.6	22.8
N.E.C	2.6	2.7	2.8	2.9	2.7	2.4	1.9	2.1	2.1	1.9	1.7	1.7
S.E.C.L	58.6	58.9	57.9	57.9	54.0	52.8	49.9	49.5	51.9	54.0	50.4	55.0
W.C.L	49.2	47.2	44.0	42.9	41.1	40.9	40.2	38.0	38.3	37.2	38.3	35.7
C.I.L	329.5	319.2	310.1	229.2	292.3	281.4	277.8	266.8	267.7	264.0	261.5	263.1
D.V.C	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.1	0.1
G.M.D.C	1.4	1.3	1.5	1.3	1.5	1.5	1.9	2.3	2.4	2.1	2.7	2.0
IISCO	3.6	3.2	3.1	3.1	3.1	2.8	2.6	2.6	2.0	1.6	1.9	2.1
J & K MINERAL	1.0	1.0	0.9	0.9	0.8	0.5	0.6	0.6	0.6	0.6	0.6	0.1
N.L.C.	9.1	9.8	12.1	10.6	10.6	10.6	10.9	11.3	9.3	9.4	9.3	8.7
S.C.C.L	60.6	59.7	58.7	57.8	55.9	57.9	62.9	69.7	65.4	61.1	59.1	56.8
TISCO	9.1	7.9	8.5	8.2	9.7	7.1	8.1	7.8	7.6	7.4	7.3	7.1
OTHERS	2.2	2.8	3.8	4.4	5.4	7.4	9.0	8.8	10.8	12.1	15.5	15.6
TOTAL :	416.8	405.2	398.9	385.7	379.5	369.4	374.0	370.1	366.0	358.1	358.0	355.6

STATEMENT NO.1.24

TREND IN ANNUAL OUTPUT: OWNERWISE

(IN MILLION TONNES)

COMPANY	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
B.C.C.L.	23.3	22.8	21.7	23.7	23.3	26.8	32.1	33.4	31.1	32.9	24.6	39.9
C.C.L.	36.2	36.6	39.1	37.5	43.7	42.8	44.7	47.4	48.1	48.1	50.4	57.5
E.C.L.	27.3	26.6	28.8	25.9	23.7	26.4	29.3	36.9	28.7	34.0	35.6	24.4
M.C.L.	56.7	66.2	69.1	66.9	83.0	84.3	97.9	101.7	98.6	108.0	101.1	121.6
N.C.L.	44.2	48.6	51.6	53.6	55.6	62.8	66.7	66.2	63.5	57.1	71.7	69.6
N.E.C.	0.7	0.7	0.8	1.2	1.0	1.0	1.1	1.1	0.8	0.7	0.5	0.7
S.E.C.L.	69.1	77.9	82.1	86.1	92.1	103.9	103.0	101.7	113.0	116.5	119.1	128.3
W.C.L.	45.5	48.7	43.5	43.5	42.2	43.8	45.1	43.5	44.5	42.5	41.1	42.9
C.I.L.	303.0	328.1	336.7	338.4	364.6	391.8	419.9	439.0	428.3	440.0	444.4	484.9
B.E.C.M.L.	3.6	3.9	4.2	4.2	4.2	4.2	3.8	3.4	2.7	3.3	2.6	2.3
J.S.M.D.C	0.4	0.6	0.7	0.7	0.7	0.4	0.4	0.4	0.2	--	--	0.3
D.V.C.	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2	0.3	0.3	0.1	0.2
G.I.P.C.L.	1.5	1.6	1.7	1.7	1.7	1.7	1.8	2.3	2.0	3.2	3.0	3.5
G.M.D.C	5.2	6.3	6.8	8.0	9.4	8.9	8.0	11.0	11.0	12.0	9.6	9.2
I.I.S.CO.	0.7	0.9	0.8	0.6	1.0	1.0	1.2	1.2	0.8	0.7	0.8	0.6
JINDAL	2.4	2.8	4.6	6.1	5.9	3.7	5.9	24.0	23.0	17.1	--	5.9
N.L.C.	20.8	20.8	18.2	19.3	22.3	20.6	21.6	22.7	24.2	25.7	26.8	25.3
R.S.M.D.C.	0.5	0.6	0.6	0.4	0.4	1.0	0.8	1.0	0.9	0.9	0.8	0.6
S.C.C.L.	33.4	34.5	35.6	39.6	45.6	48.4	61.4	74.9	78.0	73.1	58.7	72.9
T.I.S.CO.	5.8	5.7	6.5	6.3	9.9	10.4	10.3	10.2	10.8	10.8	7.1	6.1
TOTAL* :	377.7	409.3	420.9	430.3	481.1	506.3	558.8	601.9	607.3	618.0	589.5	611.8

*The figure includes other owners also

STATEMENT NO.1.25
TREND IN OUTPUT PER MAN YEAR : OWNERWISE

(IN TONNES)

COMPANY	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014
B.C.C.L.	371	382	380	441	456	569	651	719	684	773	583	925
C.C.L.	834	889	963	968	1129	1218	1367	1543	1507	1617	1692	1928
E.C.L.	335	337	373	352	328	376	428	454	473	584	622	456
M.C.L.	3075	3743	4023	4155	5083	5213	5427	5479	5197	5436	4778	5596
N.C.L.	3415	3757	3861	3879	3465	3750	3865	3870	3449	2785	3488	3058
N.E.C	265	260	273	433	363	400	578	503	363	350	279	423
S.E.C.L	1179	1323	1419	1498	1705	1967	2063	2192	2178	2158	2364	2329
W.C.L	926	1032	988	1014	1026	1073	1122	1146	1162	1142	1081	1203
C.I.L	920	1028	1086	1131	1247	1392	1512	1617	1600	1666	1700	1841
B.E.C.M.L.	8620	8719	9710	9710	9710	9531	3751	5592	4178	6201	4804	2812
J.S.M.D.C	2988	4485	5217	3397	3864	2940	2903	3208	1464	0	0	2709
D.V.C	1362	1557	1650	1642	1655	1517	1286	1038	2030	2030	552	121
G.I.P.C.L.	4823	3562	4790	4736	5176	8023	6326	5287	5266	9161	6198	8556
G.M.D.C	3767	5039	4711	5935	6224	6083	4730	4692	4993	5577	3176	4670
I.I.S.CO.	201	299	266	202	323	349	465	477	408	455	428	300
JINDAL	9917	7079	7859	10347	13513	23548	8548	20404	16722	12058	--	10479
J & K MINERALS	19	23	20	19	21	19	28	32	33	34	39	34
N.L.C	2297	2127	1503	1827	2098	1941	1985	1998	2601	2745	2889	2922
R.S.M.D.C	3264	3809	3155	2281	3725	5302	3935	5105	4490	4818	5484	5672
S.C.C.L	551	578	607	685	818	835	976	1074	1192	1197	992	1283
T.I.S.CO.	634	723	759	771	1020	1460	1273	1304	1408	1452	974	857
TOTAL*	910	1010	1055	1116	1268	1371	1494	1626	1659	1724	1647	1828

*: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
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
2013	0	0	0	0
2014	0	0	0	0

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
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
2013	116	46.5	12.60	31.52	27.68	19.41
2014	95	39.2	11.66	27.78	23.83	18.12

STATEMENT NO. 2.2
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2014.

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
ASSAM								
Tinsukia	--	--	1	--	--	--	--	1
CHATTISGARH								
Bilaspur	2	--	--	--	--	--	--	2
Raigarh	5	--	--	--	--	--	--	5
Surguja	9	--	1	--	--	--	--	10
Korea	16	--	--	--	--	--	--	16
Korba	12	--	--	--	--	--	--	12
TOTAL : CHATTISGARH	44	--	1	--	--	--	--	45
JHARKHAND								
Dhanbad	56	11	4	--	--	1	--	72
Hazaribagh	5	5	--	1	--	--	--	11
Ranchi	1	--	--	--	--	--	--	1
Bokaro	2	6	--	--	--	--	--	8
Chatra	1	--	--	--	--	--	--	1
Ramgarh	--	1	--	--	--	--	--	1
TOTAL : JHARKHAND	65	23	4	1	--	1	--	94
JAMMU & KASHMIR								
Rajauri	--	1	--	--	--	--	--	1
MADHYA PRADESH								
Betul	2	5	--	--	--	--	--	7
Chhindwara	11	4	--	--	--	--	--	15
Shahdol	19	1	--	--	--	--	--	20
Umaria	7	--	--	--	--	--	--	7
Anuppur	2	--	--	--	--	--	--	2
TOTAL : MADHYA PRADESH	41	10	--	--	--	--	--	51
MAHARASHTRA								
Chandrapur	12	--	--	--	--	--	--	12
Nagpur	8	--	--	--	--	--	--	8
Yavatmal	2	--	--	--	--	--	--	2
TOTAL : MAHARASHTRA	22	--	--	--	--	--	--	22

STATEMENT NO. 2.2(cont.)
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2014.

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
ORISSA								
Angul	3	--	--	--	--	--	--	3
Jharsuguda	4	1	--	--	--	--	--	5
TOTAL : ORISSA	7	1	--	--	--	--	--	8
Telangana								
Adilabad	15	--	--	--	--	--	--	15
Karimnagar	14	--	--	--	--	--	--	14
Khammam	5	--	--	--	--	--	--	5
Warangal	5	--	--	--	--	--	--	5
TOTAL : Telangana	39	--	--	--	--	--	--	39
WEST BENGAL								
Bankura	--	--	1	--	--	--	--	1
Burdwan	28	44	5	1	--	--	--	78
Purulia	1	1	--	--	--	--	--	2
TOTAL : WEST BENGAL	29	45	6	1	--	--	--	81
ALL INDIA : HARD COAL	247	80	12	2	--	1	--	342

STATEMENT NO. 2.3
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2014 : 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	43	11	3	--	--	--	--	57
CCL	8	11	--	1	--	--	--	20
ECL	37	45	6	1	--	--	--	89
MCL	7	1	--	--	--	--	--	8
NEC	--	--	1	--	--	--	--	1
SECL	68	1	1	--	--	--	--	70
WCL	33	9	--	--	--	--	--	42
CIL	196	78	11	2	--	--	--	287
IISCO	1	1	1	--	--	--	--	3
J&K Min.	--	1	--	--	--	--	--	1
SCCL	39	--	--	--	--	--	--	39
TISCO	4	--	--	--	--	1	--	5
MIL	1	--	--	--	--	--	--	1
JNL	1	--	--	--	--	--	--	1
SISCL	2	--	--	--	--	--	--	2
ELCALTD	1	--	--	--	--	--	--	1
MSMCL	1	--	--	--	--	--	--	1
JAL	1	--	--	--	--	--	--	1
ALL INDIA	247	80	12	2	--	1	--	342

STATEMENT NO. 2.4
BELOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2014.

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
ASSAM						
Tinsukia	--	--	--	--	274	3235
CHATTISGARH						
Bilaspur	382	181990	--	--	--	--
Raigarh	2938	1676471	--	--	--	--
Surguja	4339	2006490	--	--	470	490441
Korea	7761	5207248	--	--	--	--
Korba	3288	1903168	--	--	--	--
TOTAL : CHATTISGARH	18708	10975367	--	--	470	490441
JHARKHAND						
Dhanbad	22890	6250307	5456	587013	2531	297769
Hazaribagh	1314	226023	2262	371866	--	--
Ranchi	223	27535	--	--	--	--
Bokaro	1312	582996	1933	314700	--	--
Chatra	346	25345	--	--	--	--
Ramgarh	--	--	403	46748	--	--
TOTAL : JHARKHAND	26085	7112206	10054	1320327	2531	297769
JAMMU & KASHMIR						
Rajauri	--	--	241	10468	--	--
MADHYA PRADESH						
Betul	1207	1050565	2632	2244945	--	--
Chhindwara	3743	1295234	1017	833983	--	--
Shahdol	9505	5284989	761	495279	--	--
Umaria	4726	1393499	--	--	--	--
Anuppur	1352	715112	--	--	--	--
TOTAL : MADHYA PRADESH	20533	9739399	4410	3574207	--	--
MAHARASHTRA						
Chandrapur	4373	1083453	--	--	--	--
Nagpur	3793	1694113	--	--	--	--
Yavatmal	630	248550	--	--	--	--
TOTAL : MAHARASHTRA	8796	3026116	--	--	--	--

STATEMENT NO. 2.4 (cont.)

BELOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2014.

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
ORISSA						
Angul	1855	295542	--	--	--	--
Jharsuguda	1835	1068510	280	70260	--	--
TOTAL : ORISSA	3690	1364052	280	70260	--	--
Telangana						
Adilabad	13478	4047709	--	--	--	--
Karimnagar	15495	9941906	--	--	--	--
Khammam	2673	1380345	--	--	--	--
Warangal	4349	1377551	--	--	--	--
TOTAL : Telangana	35995	16747511	--	--	--	--
WEST BENGAL						
Bankura	--	--	--	--	445	102706
Burdwan	10875	3674943	18500	5616209	1510	128200
Purulia	681	64650	499	49161	--	--
TOTAL : WEST BENGAL	11556	3739593	18999	5665370	1955	230906
ALL INDIA : HARD COAL	125363	52704244	33984	10640632	5230	1022351

STATEMENT NO. 2.5
BELOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2014 : 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	16390	4515109	4967	467560	1025	48334
CCL	2408	334683	4213	643007	--	--
ECL	14012	4267494	19215	5708879	1955	230906
MCL	3690	1364052	280	70260	--	--
NEC	--	--	--	--	274	3235
SECL	31794	16972976	761	495279	470	490441
WCL	13384	5186455	3649	3078928	--	--
 CIL	 81678	 32640769	 33085	 10463913	 3724	 772916
IISCO	122	73996	153	16371	836	149122
J&K Min.	--	--	241	10468	--	--
SCCL	35995	16747511	--	--	--	--
TISCO	3922	1142957	505	149880	670	100313
MIL	1569	1068361	--	--	--	--
JNL	742	327630	--	--	--	--
SISCL	420	185460	--	--	--	--
ELCALTD	787	517560	--	--	--	--
MSMCL	108	--	--	--	--	--
JAL	20	--	--	--	--	--
 ALL INDIA	 125363	 52704244	 33984	 10640632	 5230	 1022351

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
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
2013	40062	483574	523636
2014	32804	557984	590788

STATEMENT NO. 3.2

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2014.(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
1. COAL					
ASSAM					
Tinsukia	4	58	1405755	1405813	191885
CHATTISGARH					
Bilaspur	2	111074	--	111074	236532
Raigarh	11	4671070	10895085	15566155	2359391
Surguja	17	1473256	5624672	7097928	2984349
Korea	16	1895457	174473	2069930	2748388
Korba	19	1196616	60844343	62040959	2601955
Surajpur	1	--	1534326	1534326	455
TOTAL : CHATTISGARH	66	9347473	79072899	88420372	10931070
JHARKHAND					
Deoghar	2	--	2276425	2276425	76664
Dhanbad	81	3916589	34346916	38263505	5001307
Koderma	1	--	1824526	1824526	38933
Dhanbad	6	1089444	3878480	4967924	340278
Giridih	2	--	1272960	1272960	60418
Godda	1	--	7449271	7449271	153247
Hazaribagh	33	210334	22436755	22647089	927056
Palamau	4	225538	399675	625213	36410
Ranchi	6	13021	3139280	3152301	64541
Sahibganj	1	--	--	--	--
Bokaro	21	287012	10196985	10483997	759732
Pakur	1	--	2449823	2449823	57051
Chatra	3	9916	6204350	6214266	24241
Latehar	1	--	176050	176050	6068
Ramgarh	3	18451	2159651	2178102	100787
TOTAL : JHARKHAND	166	5770305	98211147	103981452	7646733
JAMMU & KASHMIR					
Rajauri	1	--	--	--	--
MADHYA PRADESH					
Narsigpur	1	--	219117	219117	51284
Betul	7	1455663	--	1455663	3446831
Chhindwara	22	609240	1870004	2479244	982773
Shahdol	26	3439514	7103729	10543243	5300600
Sidhi	4	--	71597318	71597318	2024667
Umaria	8	490459	1048250	1538709	978494
Anuppur	3	444680	2230623	2675303	862465
Singrauli	3	--	21042093	21042093	1752
TOTAL : MADHYA PRADESH	74	6439556	105111134	111550690	13648866
MAHARASHTRA					
Chandrapur	30	1817587	18139885	19957472	947290
Naigpur	14	870131	5364539	6234670	1914394
Yavatmal	14	141678	17764128	17905806	5819264
TOTAL : MAHARASHTRA	58	2829396	41268552	44097948	8680948
ORISSA					
Angul	12	178392	41748030	41926422	764756
Sambalpur	1	--	--	--	--
Sundergarh	2	--	2216465	2216465	110014
Jharsuguda	10	289265	17163531	17452796	1804184
TOTAL : ORISSA	25	467657	61128026	61595683	2678954

STATEMENT NO. 3.2 (cont.)

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2014. (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
Telangana					
Adilabad	23	1812109	18121335	19933444	7587314
Karimnagar	21	1952725	53694146	55646871	3056336
Khammam	12	647539	13781739	14429278	946252
Warangal	6	722363	3871395	4593758	1486982
TOTAL : Telangana	62	5134736	89468615	94603351	13076884
UTTAR PRADESH					
Sonebhadra	5	--	46539587	46539587	66684
WEST BENGAL					
Bankura	5	54940	3401063	3456003	260295
Birbhum	2	--	312260	312260	5489
Burdwan	97	2726410	26458652	29185062	6742179
Purulia	2	33550	--	33550	93347
TOTAL : WEST BENGAL	106	2814900	30171975	32986875	7101310
ALL INDIA : COAL	567	32804081	552377690	585181771	64023334
2. LIGNITE					
GUJARAT					
Bharuch	2	--	--	--	--
Bhavanagar	2	--	--	--	--
Kutch	2	--	--	--	--
Surat	3	--	--	--	--
TOTAL : GUJARAT	9	--	--	--	--
RAJASTHAN					
Barmer	3	--	--	--	--
Bikaner	2	--	--	--	--
Nagaur	1	--	--	--	--
TOTAL : RAJASTHAN	6	--	--	--	--
TAMILNADU					
Cuddalore	2	--	5606559	5606559	15810
ALL INDIA : LIGNITE	17	--	5606559	5606559	15810
ALL INDIA: COAL & LIGNITE	584	32804081	557984249	590788330	64039144

STATEMENT NO. 3.3

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2014.

OWNER	NO.OF MINES USING EXPLO- SIVES	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETTON- ATORS USED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
BCCL	69	4308650	40670323	44978973	3823834
CCL	64	591316	37031735	37623051	1582317
ECL	114	3045587	28294244	31339831	7400299
MCL	24	467657	61128026	61595683	2678954
NCL	10	--	126041903	126041903	2092345
NEC	4	58	1405755	1405813	191885
SECL	93	12707999	77317733	90025732	15982057
WCL	82	3453407	41982967	45436374	12842546
CIL	460	24574674	413872686	438447360	46594237
JSMDC	1	--	176050	176050	6068
DVC	1	26525	--	26525	3784
GMDC	5	--	--	--	--
IISCO	4	64842	343662	408504	192651
J&K Min.	1	--	--	--	--
NLC	3	--	5606559	5606559	15810
SCCL	62	5134736	89468615	94603351	13076884
TISCO	8	412241	8009536	8421777	975134
RSMDA	1	--	--	--	--
PIL	2	306431	3198607	3505038	1213
GIPCL	3	--	--	--	--
GHCL	1	--	--	--	--
JINDAL	2	--	6758220	6758220	613249
BENGALEMATA	3	--	2760338	2760338	113871
BLAI	1	--	219117	219117	51284
ICML	1	--	4851144	4851144	194976
INDAL	1	--	--	--	--
MIL	1	502137	--	502137	938620
RSMML	2	--	--	--	--
PCML	1	--	2449823	2449823	57051
JNL	1	205559	120269	325828	388619

STATEMENT NO. 3.3(cont.)

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2014.

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
RASL	2	1354085	971270	2325355	118323
SISCL	2	86807	9770	96577	214106
ELCALTD	1	136044	--	136044	227301
VSLPPL	1	--	--	--	--
WBMD&TCL	1	--	578351	578351	24673
UML	1	--	395675	395675	36241
DVC EMTA	1	--	2241111	2241111	109843
SEML	2	--	695895	695895	40450
TUML	1	--	31550	31550	224
MSMCL	1	--	1087810	1087810	279
SPL	1	--	12049285	12049285	479
BLMCL	1	--	--	--	--
JAL	1	--	--	--	--
SOVA	1	--	581130	581130	--
RRVUN Ltd.	1	--	426036	426036	781
KECML	1	--	1081740	1081740	42993
ALL INDIA	584	32804081	557984249	590788330	64039144

SECTION – IV

MACHINERY

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

Year	Coal cutting Machine		Mechanical cutter/ Loader				Mechanical Loader		Drills		Rope-haulage		Locomotives		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.	H.P	No.	H.P
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		
2013	142	13642	80	9060	1059	79353	3022	9314	2153	131269	18	2257	25	2547	1764	161971	552	40095	8815	449508		
2014	60	4984	20	2778	903	59751	2133	7103	1578	95680	39	1870	7	291	1295	114808	614	43511	6649	330776		

• Excluding underground pumps and ventilators.

STATEMENT NO. 4.2
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	COAL CUTTING MACHINES				MECHANICAL LOADERS				MECH. CUTTER/LOADERS				ROPE HAULAGES				CONVEYORS				DRILLS				SHUTTLE CARS				LOCOMOTIVES				OTHERS			
	NO.OF MINES USING	NUMBER IN USIG	TOTAL	NO.OF MINES IN USE	NUMBER IN H.P.	TOTAL	NO.OF MINES USING	NUMBER IN USIG	TOTAL	NO.OF MINES IN H.P.	NUMBER IN USIG	TOTAL	NO.OF MINES USING	NUMBER IN USIG	TOTAL	NO.OF MINES IN H.P.	NUMBER IN USIG	TOTAL	NO.OF MINES IN H.P.	NUMBER IN USIG	TOTAL	NO.OF MINES IN H.P.	NUMBER IN USIG	TOTAL	NO.OF MINES IN H.P.	NUMBER IN USIG	TOTAL	NO.OF MINES IN H.P.	NUMBER IN USIG	TOTAL						
	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								
ASSAM																																				
Tinsukia	--	--	--	--	--	--	--	--	--	1	5	425	1	1	100	1	11	16	--	--	--	1	1	20	1	20	120									
CHATTISGARH																																				
Bilaspur	--	--	--	1	4	200	--	--	--	1	4	225	1	10	785	1	2	3	--	--	--	--	--	1	8	322										
Raigarh	--	--	--	2	38	1900	--	--	--	2	11	740	2	45	2439	2	68	950	--	--	--	--	--	2	33	1360										
Surguja	--	--	--	10	57	3217	1	5	250	7	26	1422	9	91	6732	10	109	374	--	--	--	--	--	--	--	--	--	--	--							
Korea	--	--	--	10	80	6095	--	--	--	11	52	2908	11	141	10931	9	100	593	--	--	--	2	8	570	3	35	2202									
Korba	--	--	--	8	35	2186	--	--	--	10	45	2311	7	65	5645	9	76	120	--	--	--	--	--	6	35	6244										
Surajpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
TOTAL:CHATTISGA	--	--	--	31	214	13598	1	5	250	31	138	7606	30	352	26532	31	355	2040	--	--	--	2	8	570	12	111	10128									
JHARKHAND																																				
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--							
Dhanbad	2	10	780	29	103	8183	--	--	--	35	201	13488	15	198	13859	35	206	319	1	1	1	2	23	933	14	122	3409									
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Goda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Hazaribagh	--	--	--	5	18	1170	--	--	--	8	24	1803	--	--	--	8	32	132	--	--	--	--	--	2	9	430										
Palamau	--	--	--	1	2	150	--	--	--	1	1	60	1	4	400	1	4	6	--	--	--	--	--	--	1	2	85									
Ranchi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Sahibganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Bokaro	1	2	692	2	3	190	--	--	--	5	28	1350	4	33	2160	6	20	32	--	--	--	--	--	1	1	20										
Chatra	--	--	--	1	1	50	--	--	--	1	3	190	1	16	1035	1	5	8	--	--	--	--	--	1	7	680										
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Ramgarh	--	--	--	1	4	260	--	--	--	1	2	200	--	--	--	1	7	11	--	--	--	--	--	--	--	--	--	--								
TOTAL:JHARKHAND	3	12	1472	39	131	10003	--	--	--	51	259	17091	21	251	17454	52	274	508	1	1	--	2	23	933	19	141	4624									
JAMMU & KASHMIR																																				
Rajauri	--	--	--	--	--	--	--	--	--	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--							
MADHYA PRADESH																																				
Narsipur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--							
Betul	--	--	--	4	38	2588	--	--	--	6	55	3021	3	58	5124	5	74	516	--	--	--	--	--	1	9	513										
Chhindwara	1	8	611	11	41	2045	--	--	--	12	60	3144	7	58	5987	12	113	170	--	--	--	--	--	4	21	1305										
Shahdol	--	--	--	11	81	4825	--	--	--	12	76	4794	12	118	9505	13	193	308	--	--	--	--	--	5	34	3832										
Sidhi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Umaria	--	--	--	3	18	1120	--	--	--	5	32	1916	4	37	2120	5	46	467	--	--	--	--	--	2	7	125										
Anuppur	--	--	--	2	14	1125	--	--	--	1	2	360	1	15	1536	2	26	39	--	--	--	--	--	1	5	110	2	11	493							
Singrauli	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
TOTAL:MADHYA PRADESH	1	8	611	31	192	11703	--	--	--	36	225	13235	27	286	24272	37	452	1500	--	--	--	1	5	110	14	82	6268									
MAHARASHTRA																																				
Chandrapur	--	--	--	9	39	2644	--	--	--	10	75	5263	3	20	1725	9	95	153	--	--	--	--	--	1	10	110										
Nagpur	--	--	--	5	39	1852	--	--	--	8	69	4160	8	66	6288	8	93	246	--	--	--	--	--	5	28	1751										
Yavatmal	--	--	--	1	6	426	--	--	--	1	7	400	1	10	800	1	8	16	--	--	--	--	--	--	--	--	--	--								
TOTAL:MAHARASHTRA	--	--	--	15	84	4922	--	--	--	19	151	9823	12	96	8813	18	196	415	--	--	--	--	--	6	38	1861										
ORISSA																																				
Angul	--	--	--	1	10	500	--	--	--	--	--	--	1	9	450	1	14	21	--	--	--	--	--	1	2	40										
Sundergarh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--								
Jharsuguda	1	1	100	1	1	50	--	--	--	4	32	2226	4	32	3406	3	16	25	--	--	--	--	--	2	21	1205										
TOTAL:ORISSA	1	1	100	2	11	550	--	--	--	4	32	2226	5	41	3856	4	30	46	--	--	--	--	--	3	23	1245										
Telangana																																				
Adilabad	3	31	1686	10	56	3680	1	6	390	12	253	15416	4	25	4449	9	271	604	1	2	180	1	1	222	4	28	1480									
Karimnagar	--	--	--	5	35	2455	--	--	--	6	111	5501	4	66	7263	5	103	251	--	--	--	1	1	15	1	20	4893									
Khammam	--	--	--	1	1	300	--	--	--	--	--	--	1	20	3514	1	1	50	--	--	--	--	--	--	--	--	--									
Warangal	--	--	--	3	19	1202	--	--	--	4	74	5201	2	11	684	4	95	143	--	--	--	--	--	2	14	2560										
TOTAL:Telangana	3	31	1686	19	111	7637	1	6	390	22	438	26118	11	122	15910	19	470	1048	1	2	180	2	2	237	7	62	8933									

STATEMENT NO. 4.2 (cont.)
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2014.

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.																			
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	
UTTAR PRADESH																												
Sonebhadra	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
WEST BENGAL																												
Bankura	1	2	130	1	4	260	--	--	--	1	8	480	--	--	--	1	5	8	--	--	--	--	--	--	1	2	65	
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Burdwan	3	6	985	39	153	10893	3	9	2138	54	304	17686	19	146	17871	57	332	1510	1	4	111	--	--	--	22	135	10267	
Purulia	--	--	--	2	3	185	--	--	--	2	17	940	--	--	--	2	8	12	--	--	--	--	--	--	--	--		
TOTAL:WEST BENGAL	4	8	1115	42	160	11338	3	9	2138	57	329	19106	19	146	17871	60	345	1530	1	4	111	--	--	--	23	137	10332	
GUJARAT																												
Bharuch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Bhavanagar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Kutch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Surat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:GUJARAT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RAJASTHAN																												
Barmer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Nagaur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:RAJASTHAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TAMILNADU																												
Cuddalore	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ALL INDIA :	12	60	4984	179	903	59751	5	20	2778	222	1578	95680	126	1295	114808	222	2133	7103	3	7	291	8	39	1870	85	614	43511	

STATEMENT NO. 4.3
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2014 : OWNERWISE

OWNER	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 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 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 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	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
BCCL	--	--	--	22	72	5682	--	--	--	23	111	7208	10	58	6611	24	136	209	1	1	--	--	--	9	38	1347			
CCL	--	--	--	9	27	1760	--	--	--	15	40	2703	4	34	2545	15	62	179	--	--	--	--	--	5	19	1215			
ECL	5	10	1245	48	177	12499	3	9	2138	63	351	20688	20	148	18061	66	370	1571	1	4	111	--	--	23	137	10332			
MCL	1	1	100	2	11	550	--	--	--	4	32	2226	5	41	3856	4	30	46	--	--	--	--	--	3	23	1245			
NCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
NEC	--	--	--	--	--	--	--	--	--	1	5	425	1	1	100	1	11	16	--	--	--	--	--	1	1	20	1	20	
SECL	--	--	--	45	289	18768	1	5	250	47	237	13936	45	477	37254	49	552	1904	--	--	--	3	13	680	19	130	13218		
WCL	1	8	611	29	157	9255	--	--	--	36	265	15913	21	208	19324	34	377	1092	--	--	--	--	--	10	58	3569			
CIL	7	19	1956	155	733	48514	4	14	2388	189	1041	63099	106	967	87751	193	1538	5017	2	5	111	4	14	700	70	425	31046		
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
IIISCO	--	--	--	1	4	575	--	--	--	3	13	628	2	18	1350	3	18	28	--	--	--	1	15	308	2	21	491		
J&K Min.	--	--	--	--	--	--	--	--	--	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
NLC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SCCL	3	31	1686	19	111	7637	1	6	390	22	438	26118	11	122	15910	19	470	1048	1	2	180	2	2	237	7	62	8933		
TISCO	1	8	650	1	11	825	--	--	--	3	55	4070	3	121	5808	3	31	47	--	--	--	1	8	625	3	63	1571		
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GHCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BENGAL EMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ICML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MIL	--	--	--	1	28	1400	--	--	--	1	10	690	1	35	1959	1	60	938	--	--	--	--	--	1	21	1010			
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JNL	--	--	--	1	10	500	--	--	--	1	1	50	1	10	480	1	8	12	--	--	--	--	--	1	12	350			
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SISCL	--	--	--	1	6	300	--	--	--	1	1	75	1	4	600	1	6	9	--	--	--	--	--	1	10	110			
ELCALTD	1	2	692	--	--	--	--	--	--	1	18	900	1	18	950	1	2	4	--	--	--	--	--	--	--	--	--		
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TUML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MSMCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SOVA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RRVUN Ltd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
KECMIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ALL INDIA	12	60	4984	179	903	59751	5	20	2778	222	1578	95680	126	1295	114808	222	2133	7103	3	7	291	8	39	1870	85	614	43511		

STATEMENT No. 4.4
TREND IN USAGE OF MACHINERIES IN OPENCAST WORKINGS

Machineries	2005		2006		2007		2008		2009		2010		2011		2012		2013		2014	
	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.	H.P.
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
Shovel	1073	452744	1088	448264	1188	511520	1247	548029	1320	557498	1499	567145	1576	656597	1610	645791	1644	690372	1320	548005
Drill	922	329023	861	303143	1023	397481	1018	349428	920	326280	980	322643	914	338198	952	328475	950	354168	745	264843
Dragline	34	91355	28	76853	33	77022	48	113359	40	99700	42	97924	46	105391	43	99177	41	103637	28	54183
Dozer	1219	448133	1151	418210	1382	495484	1411	501190	1410	523998	1437	487252	1570	521331	1488	521347	1606	548184	1361	457289
Dumper	4553	2487737	4391	2363973	4634	2506481	4994	2685842	5324	2827622	5455	2693218	6286	3141190	5850	3203992	6339	3498081	5299	2798461
Scraper	-	-	1	147	4	1107	5	1410	3	960	6	1469	18	2749	8	1067	23	2562	2	100
Grader	217	43290	237	50511	276	64320	276	58515	359	63527	388	67079	416	74295	404	70618	433	79487	283	61756
Loader	76	20245	78	22481	126	36253	156	36673	134	3425	142	28922	147	30939	169	40173	165	46247	203	45866
Crane	347	42491	249	34086	368	48659	399	52317	426	49472	431	46558	440	41616	463	48959	468	47386	379	41955
Others	226	120153	290	80591	413	111542	532	132206	418	105412	472	125650	504	97258	405	92799	662	168840	278	82747
Total	8667	4035171	8374	3798259	9447	4249869	10086	4478969	10354	4557894	10852	4437860	11917	5009564	11392	5052398	12331	5538964	9898	4355205

STATEMENT NO. 4.5

MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES			SCRAPERS			DRAGLINES			LOADERS			GRADERS			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.	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 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 USING	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	29	30	31		
ASSAM																																	
Tinsukia	3	38	11820	3	149	56150	3	11	2104	3	24	5904	--	--	--	--	--	--	--	--	--	--	--	--	--	--	3	7	1062	2	6	2540	
CHATTISGARH																																	
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Raigarh	6	53	15618	4	136	49356	4	25	8211	5	36	10035	--	--	--	--	--	--	--	--	--	3	6	938	2	2	1060						
Surguja	5	25	12465	5	93	27440	5	17	6670	5	38	11884	2	6	678	--	--	2	3	6948	2	4	598	4	5	1040	2	4	767				
Korea	1	4	1547	1	16	6000	2	4	1170	1	3	1050	2	2	230	--	--	1	2	670	--	--	--	--	--	--	1	2	750				
Korba	4	40	18241	3	148	41361	4	50	14889	3	62	20940	2	22	3105	--	--	--	--	--	3	16	5276	3	23	5029	3	37	8125				
Surajpur	1	8	2560	1	32	12800	1	2	230	1	4	1226	--	--	--	--	--	--	--	--	1	2	230	1	1	190	1	10	1600				
TOTAL:CHATTISGARH	17	130	50431	14	425	136957	16	98	31170	15	143	45135	6	30	4013	--	--	3	5	7618	9	32	8354	11	35	7197	9	55	12302				
JHARKHAND																																	
Deoghar	2	10	2990	2	29	11020	2	5	1800	2	8	2560	--	--	--	--	--	--	--	1	1	40	--	--	--	--	--	--	--	--	--	--	--
Dhanbad	23	136	51127	23	537	245635	21	85	26090	23	133	49165	10	15	3247	--	--	2	3	4250	2	2	495	8	9	1570	3	14	1010				
Giridih	2	4	1130	2	13	6660	2	6	1840	2	2	2150	--	--	370	--	--	--	2	2	1080	--	--	--	--	--	--	--	--	--	--	--	
Godda	1	7	5784	1	48	59820	1	4	1520	1	20	8270	1	2	180	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hazaribagh	14	58	23440	13	213	113285	13	43	15470	14	54	19794	6	16	2665	--	--	--	--	--	5	9	3810	11	16	3741	2	7	2615				
Palamau	2	5	1645	2	8	2880	2	3	850	2	6	1950	--	--	--	--	--	--	--	--	--	--	1	1	335	1	2	695					
Ranchi	4	18	5085	4	53	12625	4	10	3250	4	28	6940	2	6	980	--	--	2	4	1321	4	7	1845	2	5	505							
Sahibganj	--	--	--	--	--	--	--	--	--	1	1	400	--	--	--	--	--	--	--	--	--	1	1	75	1	1	33						
Bokaro	11	38	11403	11	159	62602	11	28	9591	11	45	13825	3	7	821	--	--	2	3	1680	1	3	1321	7	9	2007	8	19	4963				
Chatra	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Latehar	1	4	1320	1	14	3410	1	2	640	1	2	740	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Ramgarh	2	7	2541	2	30	15356	2	6	2350	2	10	3290	1	3	374	--	--	--	--	--	--	--	2	4	1065	2	6	2330					
TOTAL:JHARKHAND	62	287	106465	61	1104	533493	59	192	63401	63	313	109084	25	51	8637	--	--	4	6	5930	13	21	8067	34	47	10638	19	54	12151				
JAMMU & KASHMIR																																	
Rajauri	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MADHYA PRADESH																																	
Narsipur	1	1	896	1	5	5200	1	1	304	1	1	330	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	254					
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Chhindwara	1	4	2040	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Shandol	3	20	5062	3	73	30676	4	18	4670	3	14	4870	3	10	1298	--	--	2	3	3868	1	2	98	2	6	1402	1	3	1151				
Sidhi	4	50	40662	4	233	246391	4	64	30317	4	65	29310	2	12	1559	--	--	2	6	23576	1	2	900	3	14	3785	1	5	604				
Umaria	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Anuppur	1	5	1950	1	21	10410	1	6	2320	1	8	2740	1	2	248	--	--	--	--	--	1	3	387	1	1	240	--	--	--	--	--	--	
Singrauli	--	--	--	1	4	3070	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
TOTAL:MADHYA PRADESH	10	80	50610	10	336	295747	10	89	37611	9	88	37250	6	24	3105	--	--	4	9	27444	3	7	1385	6	21	5427	3	10	2009				
MAHARASHTRA																																	
Chandrapur	13	96	37925	13	300	178980	12	48	15657	13	87	28659	10	33	4227	--	--	--	1	1	3591	3	4	760	11	17	3851	3	12	3010			
Nagpur	5	37	14102	5	130	79022	4	21	6937	5	31	11433	3	9	1117	--	--	1	1	700	3	3	564	2	3	585	3	13	3976				
Yavatmal	9	60	21134	8	168	97649	7	30	10285	9	60	23669	6	18	1341	--	--	1	1	218	7	12	3257	2	6	638							
TOTAL:MAHARASHTRA	27	193	73161	26	598	355651	23	99	32879	27	178	63761	19	60	6685	--	--	2	2	4291	7	8	1542	20	32	7693	8	31	7624				

STATEMENT NO. 4.5 (cont.)
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES			SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS					
	NO. OF MINES USING	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL			
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	29	30	31			
ORISSA																																	
Angul	7	57	34114	7	271	198112	6	57	18460	7	85	33055	7	32	4149	--	--	--	--	--	5	39	10619	7	20	5325	3	17	6886				
Sundergarh	1	7	2794	1	205	36480	1	1	304	1	19	3772	--	--	--	--	--	--	--	--	1	2	495	1	8	1622							
Jharsuguda	5	35	11270	5	165	86764	5	27	8644	5	51	14867	4	22	2383	--	--	--	--	--	3	5	722	4	7	1591	2	3	1603				
TOTAL:ORISSA	13	99	48178	13	641	321356	12	85	27408	13	155	51694	11	54	6532	--	--	--	--	--	8	44	11341	12	29	7411	6	28	10111				
Telangana																																	
Adilabad	3	11	2735	3	47	18020	3	5	1550	3	13	3296	1	3	278	--	--	--	--	--	1	1	140	3	5	725	2	4	1188				
Karimnagar	4	42	28578	4	237	185910	4	36	16030	4	57	22290	2	19	1837	--	--	--	--	--	3	7	1482	4	18	4710	1	18	11633				
Khammam	5	34	15286	4	188	122640	4	20	8340	5	53	16636	3	25	1898	--	--	--	--	--	4	70	4012	5	17	3320	3	8	2770				
Warangal	1	3	725	1	7	2660	1	1	300	1	2	300	1	1	50	--	--	--	--	--	1	1	145	--	--	--	--	--	--	--	--		
TOTAL:Telangana	13	90	47324	12	479	329230	12	62	26220	13	125	42522	7	48	4063	--	--	--	2	2	7500	8	78	5634	13	41	8900	6	30	15591			
UTTAR PRADESH																																	
Sonebhadra	5	50	33735	5	234	233694	5	62	27300	5	82	33435	4	24	3280	--	--	--	1	4	1400	3	5	2542	5	17	4050	2	19	10687			
WEST BENGAL																																	
Bankura	2	13	8429	2	33	27722	2	5	1560	2	8	3135	1	1	825	--	--	--	--	--	1	1	203	--	--	--	--	--	--	--	--	--	
Birbhum	2	6	3944	2	18	9600	--	--	2	6	1560	--	--	--	--	--	--	--	2	2	6106	--	--	--	1	1	160						
Burdwan	16	85	43616	16	359	187440	13	42	15190	16	80	23649	1	2	578	--	--	--	--	--	1	1	110	5	10	1848	5	29	6067				
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--				
TOTAL:WEST BENGAL	20	104	55989	20	410	224762	15	47	16750	20	94	28344	2	3	1403	--	--	--	--	--	3	3	6216	6	11	2051	6	30	6227				
GUJARAT																																	
Bharuch	2	42	12679	2	142	54790	--	--	--	2	12	988	--	--	--	--	--	--	--	1	3	465	2	5	882	2	15	3505					
Bhavanagar	2	30	8545	2	67	28056	--	--	--	2	8	570	--	--	--	--	--	--	--	2	5	671	--	--	--	--	--	--	--	--	--		
Kutch	2	21	5615	2	59	23533	--	--	--	2	8	1850	--	--	--	--	--	--	--	1	1	120	1	4	600	--	--	--	--	--	--		
Surat	3	51	12183	3	165	24987	--	--	--	3	16	3120	--	--	--	--	--	--	--	3	7	885	--	--	--	--	--	--	--	--	--		
TOTAL:GUJARAT	9	144	39022	9	433	131366	--	--	--	9	44	6528	--	--	--	--	--	--	--	2	4	585	8	21	3038	2	15	3505					
RAJASTHAN																																	
Barmer	3	82	24650	3	397	148705	--	--	--	3	22	4262	--	--	--	--	--	--	--	3	11	2036	--	--	--	--	--	--	--	--	--		
Bikaner	1	11	3512	1	14	3600	--	--	--	1	2	360	--	--	--	--	--	--	1	1	200	1	2	355	--	--	--	--	--	--	--		
Nagaur	1	7	1283	1	37	12950	--	--	--	1	2	800	--	--	--	--	--	--	--	1	1	413	--	--	--	--	--	--	--	--	--		
TOTAL:RAJASTHAN	5	100	29445	5	448	165255	--	--	--	5	26	5422	--	--	--	--	--	--	--	1	1	200	5	14	2804	--	--	--	--	--	--		

STATEMENT NO. 4.5 (cont.)
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2014.

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES			SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS			
	NO. OF MINES USING	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	NO. OF MINES IN USE	NUMBER IN USE	TOTAL	
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	29	30	31	
TAMILNADU																															
Cuddalore	1	5	1825	2	42	14800	--	--	--	2	89	28210	2	85	4237	1	2	100	--	--	--	--	--	--	2	8	1485	--	--	--	
ALL INDIA :	185	1320	548005	180	5299	2798461	155	745	264843	184	1361	457289	82	379	41955	1	2	100	16	28	54183	57	203	45866	125	283	61756	63	278	82747	

STATEMENT NO. 4.6
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2014: OWNERWISE

OWNER	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES			SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS		
	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	TOTAL H.P.	NO. OF MINES IN USING	NUMBER	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	29	30	31
BCCL	18	118	43906	18	455	217340	17	79	24313	18	119	44805	8	13	2927	--	--	--	2	3	4250	2	2	495	8	8	1600	4	16	1710
CCL	32	110	34261	31	412	177088	31	80	27900	32	134	41929	14	34	5210	--	--	--	2	3	1680	9	16	6522	23	33	7758	14	37	10408
ECL	20	84	38026	20	336	214340	16	43	16052	21	97	31534	1	2	180	--	--	--	--	--	--	1	1	40	4	8	1492	5	17	3791
MCL	13	99	48178	13	641	321356	12	85	27408	13	155	51694	11	54	6532	--	--	--	--	--	--	8	44	11341	12	29	7411	6	28	10111
NCL	9	100	74397	9	467	480085	9	126	57617	9	147	62745	6	36	4839	--	--	--	3	10	24976	4	7	3442	8	31	7835	3	24	11291
NEC	3	38	11820	3	149	56150	3	11	2104	3	24	5904	--	--	--	--	--	--	--	--	--	--	3	7	1062	2	6	2540		
SECL	16	108	43883	15	415	138927	17	97	29949	15	131	43350	10	42	5559	--	--	--	5	8	11486	8	27	6589	12	37	8105	8	56	12393
WCL	26	170	60785	25	556	308041	22	97	32039	25	165	58943	18	58	6416	--	--	--	2	2	4291	7	8	1542	19	29	6968	7	21	5174
CIL	137	827	355256	134	3431	1913327	127	618	217382	136	972	340904	68	239	31663	--	--	--	14	26	46683	39	105	29971	89	182	42231	49	205	57418
JSMDC	1	4	1320	1	14	3410	1	2	640	1	2	740	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	1	2	780	1	7	2800	1	2	641	1	2	600	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
GMDC	5	86	25534	5	200	73071	--	--	5	29	4198	--	--	--	--	--	--	--	1	1	120	4	12	1813	1	8	2465			
IISCO	3	15	5944	3	82	28325	3	6	1753	3	10	3150	2	2	320	--	--	--	--	--	--	1	2	290	--	--	--	--	--	--
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
NLC	2	16	5337	3	56	18400	--	--	3	91	28570	2	85	4237	1	2	100	--	--	--	1	1	200	3	10	1840	--	--	--	
SCCL	13	90	47324	12	479	329230	12	62	26220	13	125	42522	7	48	4063	--	--	2	2	7500	8	78	5634	13	41	8900	6	30	15591	
TISCO	1	14	9560	1	46	29870	1	11	3960	1	10	4070	--	--	--	--	--	--	1	2	1010	1	3	915	--	--	--	--	--	
RSMDC	1	13	1838	1	43	8511	--	--	1	2	260	--	--	--	--	--	--	--	--	--	1	2	390	--	--	--	--	--	--	
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GIPCL	3	52	11823	3	208	49395	--	--	3	13	2090	--	--	--	--	--	--	--	1	3	465	3	8	1035	1	7	1040			
GHCL	1	6	1665	1	25	8900	--	--	1	2	240	--	--	--	--	--	--	--	--	--	1	1	190	--	--	--	--	--	--	
JINDAL	1	8	2840	--	--	--	1	7	1750	1	9	1808	--	--	--	--	--	--	1	2	276	1	4	615	--	--	--	--	--	--
BENGALEMTA	3	20	16713	3	77	36090	1	7	2072	3	18	6310	1	2	578	--	--	--	3	3	6216	1	1	146	2	14	2469			
BLAI	1	1	896	1	5	5200	1	1	304	1	1	330	--	--	--	--	--	--	--	--	1	2	285	--	--	--	--	--	--	
ICML	1	11	3515	1	52	21270	1	4	1260	1	7	1155	--	--	--	--	--	--	--	--	1	2	395	--	--	--	--	--	--	
MIL	1	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RSML	2	17	4275	2	67	24350	--	--	2	4	1180	--	--	--	--	--	--	--	--	2	3	928	--	--	--	--	--	--		
JNL	1	8	2100	1	32	11516	1	2	286	1	4	1004	--	--	--	--	--	--	1	3	374	--	--	1	1	150	--	--	--	
RASL	1	2	620	1	12	4800	1	1	475	1	1	183	--	--	--	--	--	--	--	1	1	119	1	1	910					
SISCL	1	25	8000	1	60	22800	1	15	5700	1	20	6400	--	--	--	--	--	--	1	5	1600	--	--	--	--	--	--	--		
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DVC EMTA	1	9	7149	1	20	22782	1	4	1180	1	5	2175	1	1	825	--	--	--	--	--	--	1	1	203	--	--	--	--	--	--
TUML	1	15	4798	--	--	--	--	--	--	1	2	369	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MSMCL	--	--	--	1	4	3070	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BLMCL	1	59	19820	1	324	126794	--	--	1	18	3622	--	--	--	--	--	--	--	--	--	1	7	1131	--	--	--	--	--	--	
SOVA	1	4	1280	1	13	4940	1	1	380	1	3	960	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
RRVUN Ltd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
KECM	1	12	9618	1	42	47610	1	2	840	1	11	4449	1	2	269	--	--	--	--	--	--	--	1	3	725	1	10	2450		
ALL INDIA	185	1320	548005	180	5299	2798461	155	745	264843	184	1361	457289	82	379	41955	1	2	100	16	28	54183	57	203	45866	125	283	61756	63	278	82747

STATEMENT NO. 4.7
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2014.

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS			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.	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	11	12	13	14	15	16	17	18	19
1. COAL																		
ASSAM																		
Tinsukia	1	3	320	1	2	70	1	1	30	1	3	215	--	--	--	--	--	--
CHATTISGARH																		
Bilaspur	1	1	50	--	--	--	1	1	145	--	--	--	--	--	--	--	--	--
Raigarh	3	5	940	--	--	--	2	6	570	--	--	--	1	1	320	--	--	--
Surjua	11	14	1364	1	4	40	9	23	1948	1	1	29	--	--	--	--	--	--
Korea	9	10	960	--	--	--	8	22	1338	--	--	--	--	--	3	4	60	
Korba	8	8	544	1	1	251	9	47	14146	--	--	--	--	--	1	3	285	
Surajpur	--	--	--	1	10	1600	--	--	--	--	--	1	4	460	--	--	--	
TOTAL : CHATTISGARH	32	38	3858	3	15	1891	29	99	18147	1	1	29	2	5	780	4	7	345
JHARKHAND																		
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dhanbad	19	40	3600	13	47	4101	5	19	545	2	2	188	1	1	400	4	11	923
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Goda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hazaribagh	6	11	1279	--	--	--	3	18	1195	1	1	120	--	--	--	--	--	--
Palamau	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ranchi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sahibganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bokaro	5	14	2449	2	8	450	3	403	518	1	2	100	--	--	1	13	235	
Chatra	1	2	190	1	1	35	1	1	200	--	--	--	--	--	--	--	--	
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ramgarh	--	--	--	--	--	--	1	3	325	--	--	--	--	--	--	--	--	
TOTAL : JHARKHAND	31	67	7518	16	56	4586	13	444	2783	4	5	408	1	1	400	5	24	1158
JAMMU & KASHMIR																		
Rajauri	1	2	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MADHYA PRADESH																		
Narsigpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Betul	6	6	629	1	1	32	5	9	675	--	--	--	--	--	--	--	--	--
Chhindwara	13	31	2147	2	12	4460	8	13	2698	--	--	--	--	--	1	2	1100	
Shahdol	13	27	2293	1	2	52	11	45	6458	--	--	--	--	--	1	1	50	
Sidhi	--	--	--	1	8	2576	3	64	16000	--	--	--	--	--	--	--	--	
Umaria	4	4	375	--	--	--	3	4	340	--	--	--	--	--	--	--	--	
Anuppur	2	2	150	--	--	--	2	4	510	--	--	--	--	--	--	--	--	
Singrauli	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TOTAL : MADHYA PRADESH	38	70	5594	5	23	7120	32	139	26681	--	--	--	--	--	2	3	1150	
MAHARASHTRA																		
Chandrapur	11	15	1535	2	3	340	13	736	4292	--	--	--	1	1	250	4	9	1137
Nagpur	7	7	647	--	--	--	5	10	994	--	--	--	--	--	2	9	315	
Yavatmal	1	2	100	--	--	--	2	2	195	--	--	--	--	--	1	16	85	
TOTAL : MAHARASHTRA	19	24	2282	2	3	340	20	748	5481	--	--	--	1	1	250	7	34	1537
ORISSA																		
Angul	--	--	--	1	44	22788	5	52	4900	--	--	--	1	2	1002	4	54	9821
Sundergarh	--	--	--	--	--	--	1	2	150	--	--	--	--	--	1	72	1680	
Jharsuguda	3	9	700	1	5	560	2	2	297	--	--	--	--	--	1	5	140	
TOTAL : ORISSA	3	9	700	2	49	23348	8	56	5347	--	--	--	1	2	1002	6	131	11641

STATEMENT NO. 4.7 (cont.)
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2014.

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS			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.	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	11	12	13	14	15	16	17	18	19
Telangana																		
Adilabad	11	17	2440	--	--	--	10	20	2197	--	--	--	--	--	--	2	4	1149
Karimnagar	5	8	1110	--	--	--	3	26	5557	--	--	--	--	--	--	3	26	2534
Khammam	1	1	87	--	--	--	3	7	947	--	--	--	--	--	--	--	--	--
Warangal	4	7	1050	--	--	--	2	2	220	--	--	--	--	--	--	2	5	323
TOTAL : Telangana	21	33	4687	--	--	--	18	55	8921	--	--	--	--	--	--	7	35	4006
UTTAR PRADESH																		
Sonebhadra	--	--	--	--	--	--	2	31	7332	--	--	--	--	--	--	--	--	--
WEST BENGAL																		
Bankura	1	1	100	1	1	30	--	--	--	--	--	--	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Burdwan	28	43	4749	28	40	2081	22	47	5401	1	1	32	--	--	--	3	10	405
Purulia	1	3	245	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : WEST BENGAL	30	47	5094	29	41	2111	22	47	5401	1	1	32	--	--	--	3	10	405
ALL INDIA : COAL	176	293	30353	58	189	39466	145	1620	80123	7	10	684	5	9	2432	34	244	20242
2. LIGNITE																		
GUJARAT																		
Bharuch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	1	3	375	1	1	180	--	--	--	--	--	--	1	2	165
Kutch	1	12	1722	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	1	12	1722	1	3	375	1	1	180	--	--	--	--	--	--	1	2	165
RAJASTHAN																		
Barmer	1	1	125	--	--	--	1	3	375	--	--	--	--	--	--	1	1	135
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	1	1	125	--	--	--	1	3	375	--	--	--	--	--	--	1	1	135
TAMILNADU																		
Cuddalore	--	--	--	--	--	--	2	59	14301	--	--	--	--	--	--	--	--	--
ALL INDIA : LIGNITE	2	13	1847	1	3	375	4	63	14856	--	--	--	--	--	--	2	3	300
ALL INDIA: COAL & LIGNITE	178	306	32200	59	192	39841	149	1683	94979	7	10	684	5	9	2432	36	247	20542

STATEMENT NO. 4.8
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2014 -- OWNERWISE.

OWNER	HAULAGE			DUMPERS			CONVEYORS			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.	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	11	12	13	14	15	16	17	18	19
BCCL	15	32	3060	11	41	4001	4	417	565	2	2	188	1	1	400	2	3	235
CCL	10	19	2259	3	9	485	7	25	2138	2	3	220	--	--	--	1	13	235
ECL	33	51	5694	30	43	2171	21	46	5126	1	1	32	--	--	--	4	12	765
MCL	3	9	700	2	49	23348	8	56	5347	--	--	--	1	2	1002	6	131	11641
NCL	--	--	--	1	8	2576	5	95	23332	--	--	--	--	--	--	--	--	--
NEC	1	3	320	1	2	70	1	1	30	1	3	215	--	--	--	--	--	--
SECL	49	68	6376	4	17	1943	43	146	24885	1	1	29	2	5	780	4	7	345
WCL	37	60	5008	5	16	4832	32	768	8574	--	--	--	1	1	250	7	33	2462
CIL	148	242	23417	57	185	39426	121	1554	69997	7	10	684	5	9	2432	24	199	15683
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	1	12	1722	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IISCO	2	8	265	1	4	40	1	1	275	--	--	--	--	--	--	--	--	--
J&K Min.	1	2	300	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	2	59	14301	--	--	--	--	--	--	--	--	--
SCCL	21	33	4687	--	--	--	18	55	8921	--	--	--	--	--	--	7	35	4006
TISCO	--	--	--	--	--	--	2	2	80	--	--	--	--	--	--	1	6	328
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	1	3	375	1	1	180	--	--	--	--	--	--	1	2	165
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MIL	1	2	200	--	--	--	1	4	410	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JNL	1	1	100	--	--	--	1	2	160	--	--	--	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SISCL	1	1	50	--	--	--	1	2	280	--	--	--	--	--	--	1	3	175
ELCALTD	1	4	1334	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TUML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MSMCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	50
BLMCL	1	1	125	--	--	--	1	3	375	--	--	--	--	--	--	1	1	135
SOVA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RRVUN Ltd.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
KECML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	178	306	32200	59	192	39841	149	1683	94979	7	10	684	5	9	2432	36	247	20542

STATEMENT NO. 4.9
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2014.

STATE/DISTRICT	VENTILATOR				WINDING ENGINES				PUMPS				COAL HANDLING PLANTS		WORKSHOP MACHINERIES ELECTRICAL			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM		BELOWGROUND		OPENCAST		ABOVE GROUND		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.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1. COAL																		
ARUNACHAL PRADESH																		
Chaglong	--	--	--	--	--	--	--	--	--	--	2	300	--	--	--	--	3	10
ASSAM																		
Tinsukia	2	70	2	40	--	--	--	--	7	950	7	1822	5	1039	--	--	5	27
CHATTISGARH																		
Bilaspur	2	301	--	--	--	--	--	--	3	750	--	--	4	806	1	50	9	108
Raigarh	5	960	17	640	--	--	--	--	53	2327	44	5375	25	2480	1	1000	12	56
Surguja	12	2209	1	22	--	--	--	--	108	12394	19	2846	33	3239	--	--	43	312
Korea	22	3741	8	225	1	536	2	800	134	13569	3	510	32	1433	1	590	105	644
Korba	15	2611	3	140	2	536	--	--	61	10004	95	38160	54	9524	3	7444	83	802
Surajpur	--	--	--	--	--	--	--	--	--	--	3	270	3	210	--	--	--	--
TOTAL : CHATTISGARH	56	9822	29	1027	3	1072	2	800	359	39044	164	47161	151	17692	6	9084	252	1922
JHARKHAND																		
Deoghar	--	--	--	--	--	--	--	--	--	--	2	470	2	356	--	--	2	5
Dhanbad	107	21031	88	2699	60	29193	18	1592	478	84127	101	19070	235	21864	8	5888	200	1824
Koderma	--	--	--	--	--	--	--	--	--	--	5	2811	--	--	--	--	--	--
Dhanbad	6	495	2	95	1	75	2	160	20	1755	14	2192	15	688	2	1120	11	100
Giridih	--	--	--	--	--	--	--	--	--	--	7	1372	3	328	--	--	--	--
Godda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Hazaribagh	30	2985	9	420	--	--	--	--	54	8343	76	14166	62	8491	3	2622	94	666
Palamau	1	30	--	--	--	--	--	--	--	--	14	2067	5	827	--	--	--	--
Ranchi	1	120	--	--	--	--	--	--	3	360	16	3242	12	2025	--	--	26	400
Sahibganj	--	--	--	--	--	--	--	--	--	--	1	25	1	50	--	--	--	--
Bokaro	14	1351	3	368	1	100	--	--	36	3140	37	7687	38	5757	1	410	21	146
Pakur	--	--	--	--	--	--	--	--	--	--	8	2120	1	124	--	--	--	--
Chatra	2	300	--	--	--	--	--	--	2	200	7	2814	5	251	--	9	35	--
Latehar	--	--	--	--	--	--	--	--	--	--	1	350	1	50	--	--	--	--
Ramgarh	4	600	1	20	--	--	--	--	10	1615	3	670	5	425	--	--	9	61
TOTAL : JHARKHAND	165	26912	103	3602	62	29368	20	1752	603	99540	292	59056	385	41236	14	10040	372	3237
JAMMU & KASHMIR																		
Rajauri	3	185	--	--	--	--	--	--	7	220	--	--	3	80	--	--	--	--
Udhampur	1	30	--	--	--	--	--	--	1	20	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	4	215	--	--	--	--	--	--	8	240	--	--	3	80	--	--	--	--
MADHYA PRADESH																		
Narsigpur	--	--	--	--	--	--	--	--	--	--	11	771	7	30	1	495	9	21
Betul	10	2535	7	140	--	--	--	--	21	2320	--	--	6	251	1	140	41	203
Chhindwara	14	2174	--	--	--	--	--	--	59	4939	13	1455	43	2423	--	--	64	439
Shahdol	27	4767	21	530	1	425	--	--	179	17494	22	5396	64	4571	4	3518	109	802
Sidhi	--	--	--	--	--	--	--	--	--	--	35	8975	13	1054	1	4884	63	2484
Umaria	12	1858	1	20	2	485	--	--	30	3726	3	505	15	1010	1	50	11	47
Anuppur	3	610	--	--	--	--	--	--	19	1560	9	1251	5	140	--	--	7	63
Singrauli	--	--	--	--	--	--	--	--	--	--	22	1522	13	370	3	7634	5	589
TOTAL : MADHYA PRADESH	66	11944	29	690	3	910	--	--	308	30039	115	19875	166	9849	11	16721	309	4648
MAHARASHTRA																		
Chandrapur	21	3255	8	280	2	127	1	225	76	16069	80	18032	75	7962	22	7612	149	741
Nagpur	9	1854	22	421	--	--	--	--	82	9810	29	8713	19	1331	4	3261	48	415
Yavatmal	1	120	1	20	--	--	--	--	15	1362	38	6998	18	1574	4	2719	38	163
TOTAL : MAHARASHTRA	31	5229	31	721	2	127	1	225	173	27241	147	33743	112	10867	30	13592	235	1319

STATEMENT NO. 4.9 (cont.)
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2014.

STATE/DISTRICT	VENTILATOR					WINDING ENGINES					PUMPS					COAL HANDLING PLANTS			WORKSHOP MACHINERIES ELECTRICAL		
	MAIN		BELOWGROUND			ELECTRICAL		STEAM			BELOWGROUND		OPENCAST		ABOVE GROUND			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.	H.P.	NO.	H.P.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19			
ORISSA																					
Angul	5	1145	4	80	1	160	2	100	18	2920	31	5361	43	6920	1	2773	32	130			
Sambalpur	--	--	--	--	--	--	--	--	--	--	8	970	2	9	--	--	--	--			
Sundergarh	--	--	--	--	--	--	--	--	--	--	9	2410	--	--	1	1206	--	--			
Jharsuguda	8	2040	5	320	--	--	--	--	31	6150	14	5444	21	3239	2	1260	25	182			
TOTAL : ORISSA	13	3185	9	400	1	160	2	100	49	9070	62	14185	66	10168	4	5239	57	312			
Telangana																					
Adilabad	26	6425	20	650	--	--	--	--	104	18080	31	4435	98	5092	1	710	1	5			
Karimnagar	24	6476	30	980	--	--	--	--	178	20791	50	7000	81	9308	4	8900	29	289			
Khammam	18	3660	2	200	4	1449	--	--	64	11824	49	3900	72	2657	2	2572	46	227			
Warangal	10	2700	10	380	--	--	--	--	36	5500	11	1320	45	3725	1	540	--	--			
TOTAL : Telangana	78	19261	62	2210	4	1449	--	--	382	56195	141	16655	296	20782	8	12722	76	521			
UTTAR PRADESH																					
Sonebhadra	--	--	--	--	--	--	--	--	--	--	38	14455	14	6381	2	9184	40	1230			
WEST BENGAL																					
Bankura	1	175	4	80	--	--	--	--	67	587	6	780	7	101	--	--	2	8			
Birbhum	--	--	--	--	--	--	--	--	--	--	7	795	--	--	--	--	--	--			
Burdwan	123	18652	9	1123	46	8831	104	11267	416	46766	56	8509	230	19095	4	3	163	1988			
Purulia	2	270	--	--	--	--	--	--	7	1112	--	--	3	176	1	50	3	28			
TOTAL : WEST BENGAL	126	19097	13	1203	46	8831	104	11267	490	48465	69	10084	240	19372	5	53	168	2024			
ALL INDIA : COAL	541	95735	278	9893	121	41917	129	14144	2379	310784	1037	217336	1438	137466	80	76635	1517	15250			
2. LIGNITE																					
GUJARAT																					
Bharuch	--	--	--	--	--	--	--	--	--	--	10	765	7	315	--	--	7	26			
Bhavanagar	--	--	--	--	--	--	--	--	--	--	3	175	2	142	--	--	6	30			
Kutch	--	--	--	--	--	--	--	--	--	--	10	480	9	576	--	--	3	23			
Surat	--	--	--	--	--	--	--	--	--	--	7	515	5	268	--	--	--	--			
TOTAL : GUJARAT	--	--	--	--	--	--	--	--	--	--	30	1935	23	1301	--	--	16	79			
RAJASTHAN																					
Barmer	--	--	--	--	--	--	--	--	--	--	16	1700	8	1370	--	--	30	65			
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Nagaur	--	--	--	--	--	--	--	--	--	--	8	800	7	700	--	--	--	--			
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--	--	24	2500	15	2070	--	--	30	65			
TAMILNADU																					
Cuddalore	--	--	--	--	--	--	--	--	--	--	13	7039	9	3781	--	--	41	1077			
ALL INDIA : LIGNITE	--	--	--	--	--	--	--	--	--	--	67	11474	47	7152	--	--	87	1221			
ALL INDIA: COAL & LIGNITE	541	95735	278	9893	121	41917	129	14144	2379	310784	1104	228810	1485	144618	80	76635	1604	16471			

STATEMENT NO. 4.10
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERY USED DURING THE YEAR, 2014 OWNER-WISE.

OWNER	VENTILATOR					WINDING ENGINES					PUMPS					COAL HANDLING PLANTS		WORKSHOP MACHINERIES ELECTRICAL	
	MAIN		BELOWGROUND			ELECTRICAL		STEAM			BELOWGROUND		OPENCAST			ABOVE GROUND			
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
BCCL	88	15033	23	1064	47	22689	21	2212	300	47770	107	21058	190	17612	11	7418	193	1814	
CCL	51	5306	12	475	--	--	--	--	95	12683	126	29622	111	14232	2	1433	159	1308	
ECL	135	19932	18	1438	43	8321	103	10807	459	51350	59	8031	262	20464	5	53	154	1960	
MCL	13	3185	9	400	1	160	2	100	49	9070	54	13215	64	10159	4	5239	57	312	
NCL	--	--	--	--	--	--	--	--	--	--	75	24530	28	7690	4	14470	106	4223	
NEC	2	70	2	40	--	--	--	--	7	950	7	1822	5	1039	--	--	5	27	
SECL	95	16287	34	937	6	1982	2	800	533	59460	162	50623	203	20324	10	11652	369	2784	
WCL	53	9788	32	741	2	127	1	225	247	34035	140	32390	139	11592	31	13732	337	1911	
CIL	437	69601	130	5095	99	33279	129	14144	1690	215318	730	181291	1002	103112	67	53997	1380	14339	
JSMDC	--	--	--	--	--	--	--	--	--	--	1	350	1	50	--	--	--	--	
DVC	--	--	--	--	--	--	--	--	--	--	4	375	--	--	--	--	--	--	
GMDC	--	--	--	--	--	--	--	--	--	--	24	1375	19	1091	--	--	16	79	
IISCO	7	2700	--	--	8	3830	--	--	35	7975	13	1500	18	685	--	--	15	84	
J&K Min.	4	215	--	--	--	--	--	--	8	240	--	--	3	80	--	--	--	--	
NLC	--	--	--	--	--	--	--	--	--	--	13	7039	9	3781	--	--	41	1077	
SCCL	78	19261	62	2210	4	1449	--	--	382	56195	141	16655	296	20782	8	12722	76	521	
TISCO	10	3038	62	1495	10	3359	--	--	132	27327	21	1402	28	6683	1	1189	7	55	
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
PIL	--	--	--	--	--	--	--	--	5	406	--	--	10	500	--	--	--	--	
GIPCL	--	--	--	--	--	--	--	--	--	--	5	520	3	110	--	--	--	--	
GHCL	--	--	--	--	--	--	--	--	--	--	1	40	1	100	--	--	--	--	
JINDAL	--	--	--	--	--	--	--	--	--	--	15	1550	5	880	1	1000	--	--	
BENGALEMFTA	--	--	--	--	--	--	--	--	--	--	10	2425	1	93	--	--	--	--	
APMDTC	--	--	--	--	--	--	--	--	--	--	2	300	--	--	--	--	3	10	
BLAI	--	--	--	--	--	--	--	--	--	--	11	771	7	30	1	495	9	21	
ICML	--	--	--	--	--	--	--	--	--	--	3	1201	2	56	--	--	12	40	
INDAL	--	--	--	--	--	--	--	--	--	--	8	970	2	9	--	--	--	--	
MIL	2	670	8	480	--	--	--	--	37	1553	--	--	6	145	--	--	10	50	
RSMLM	--	--	--	--	--	--	--	--	--	--	9	822	7	700	--	--	--	--	
PCML	--	--	--	--	--	--	--	--	--	--	8	2120	1	124	--	--	--	--	
JNL	1	100	9	160	--	--	--	--	11	380	--	--	5	380	--	--	--	--	
RASL	--	--	--	--	--	--	--	--	--	--	17	2766	7	35	--	--	--	--	
SISCL	1	60	6	120	--	--	--	--	4	450	--	--	5	609	--	--	3	50	
ELCALTD	--	--	1	333	--	--	--	--	8	580	--	--	8	70	--	--	--	--	
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	1	31	--	--	--	--	
UML	--	--	--	--	--	--	--	--	--	--	5	516	2	508	--	--	--	--	
DVC EMTA	--	--	--	--	--	--	--	--	--	--	2	530	--	--	--	--	--	--	
SEML	--	--	--	--	--	--	--	--	--	--	9	820	1	30	--	--	--	--	
TUML	--	--	--	--	--	--	--	--	--	--	3	412	--	--	--	--	--	--	
MSMCL	--	--	--	--	--	--	--	--	1	25	--	--	3	50	1	3270	1	65	
SPL	--	--	--	--	--	--	--	--	--	--	20	422	10	75	1	3962	1	15	
BLMCL	--	--	--	--	--	--	--	--	--	--	15	1678	8	1370	--	--	30	65	
JAL	1	90	--	--	--	--	--	--	2	15	--	--	2	18	--	--	--	--	
SOVA	--	--	--	--	--	--	--	--	64	320	2	10	--	--	--	--	--	--	
RRVUN Ltd.	--	--	--	--	--	--	--	--	--	--	6	500	2	580	--	--	--	--	
KECML	--	--	--	--	--	--	--	--	--	--	6	450	10	1851	--	--	--	--	
ALL INDIA	541	95735	278	9893	121	41917	129	14144	2379	310784	1104	228810	1485	144618	80	76635	1604	16471	

STATEMENT NO. 5.0

Codes for classification of accidents by cause and place of occurrence

Code	Cause of Accident	Code	Cause of Accident
	Ground movement		Explosives
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
	Transportation machinery (winding)		Electricity
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		Dust, gas & other combustible material
	Transportation machinery (non winding)	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
	Machinery other than transp. machinery		Falls (other than fall of ground)
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		Other causes
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)

Code	Place of Accident	Code	Place of Accident
BELOW GROUND			OPENCAST
	Development area		Benches
111	< 10m of development face	211	Waste/overburden alluvium
112	> 10m and within working district	212	Waste/overburden float
	Long wall panel	213	Waste/overburden hard rock
121	> 10m of long wall face	214	Coal/ore benches
122	Gate roads in long wall panels		Quarry (other than benches)
	Depillaring / stoping	221	Top of the quarry
131	< 10m of face	222	Bed of the quarry
132	> 10m but < 30m		Roads
133	> 30m but within working district	231	Haul roads
	Outside working district	232	Rope haulage roads
141	Traveling roadways	239	Other transportation roads
149	Unclassified		Other open cast places
	Tramming roadways	241	Waste dump
151	Within district	249	Other places (specify)
152	Outside district		ABOVE GROUND
	Haulage roadways (within district)		Transportation road/sites
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
	Haulage roadways (outside district)	315	Petroleum pipelines
171	Rope haulage roadways	319	Unclassified
172	Conveyor roadways		Plant sites
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
			Other above ground places
		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
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
2013	77	82	11	456	457	0.23	1.31	0.07	0.41	0.13	0.74
2014	59	62	3	379	391	0.17	1.11	0.05	0.35	0.10	0.61

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
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
2013	0.22	0.14	0.46	0.17	0.23	1.27	2.04	0.67	0.66	1.31
2014	0.16	0.13	0.35	0.08	0.17	1.06	1.60	0.70	0.67	1.11

STATEMENT NO. 5.3
Causewise Trend of Fatal Accidents in Coal Mines

Cause / Year	2009	2010	2011	2012	2013	2014
1. GROUND MOVEMENT						
Fall of Roof	17 (21)	15 (18)	11 (12)	5 (6)	8 (13)	10 (11)
Fall of Side	8 (9)	6 (7)	2 (2)	6 (6)	2 (2)	2 (2)
Other Ground Movement	1 (2)	1 (1)	2 (2)	--	2 (2)	1 (2)
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	--	--	1 (1)	--	--	--
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	5 (5)	3 (4)	3 (3)	2 (2)	3 (3)	1 (1)
Wheeled Trackless Transp.	22 (22)	34 (36)	23 (24)	27 (27)	29 (29)	17 (18)
Other Transp. Machinery	4 (4)	4 (4)	2 (2)	3 (3)	1 (1)	1 (1)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	15 (15)	7 (7)	6 (6)	14 (14)	12 (12)	15 (15)
5. EXPLOSIVES	--	2 (16)	1 (1)	3 (3)	--	2 (2)
6. ELECTRICITY	2 (2)	8 (8)	5 (5)	3 (3)	7 (7)	2 (2)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	2 (4)	1 (1)	--	3 (5)	--	1 (1)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	2 (2)	6 (6)	1 (1)	8 (8)	8 (8)	2 (2)
Fall of Objects	2 (2)	4 (4)	4 (4)	1 (1)	3 (3)	2 (2)
Other Falls	--	--	--	--	2 (2)	--
9. OTHER CAUSES						
Irruption of Water	--	--	--	2 (2)	--	--
Flying Pieces	--	--	--	--	--	--
Miscellaneous	3 (5)	6 (6)	4 (4)	2 (3)	--	3 (3)
T O T A L	83 (93)	97 (118)	65 (67)	79 (83)	77 (82)	59 (62)
B E L O W G R O U N D :	39 (46)	41 (60)	23 (24)	25 (28)	19 (24)	20 (21)
O P E N C A S T :	29 (32)	40 (42)	29 (30)	37 (38)	40 (40)	31 (33)
A B O V E G R O U N D :	15 (15)	16 (16)	13 (13)	17 (17)	18 (18)	8 (8)

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

STATEMENT NO. 5.4

Causewise Trend of Serious Accidents in Coal Mines

Cause / Year	2009	2010	2011	2012	2013	2014
1. GROUND MOVEMENT						
Fall of Roof	28 (36)	17 (24)	16 (24)	21 (24)	17 (21)	18 (20)
Fall of Side	29 (32)	36 (37)	23 (25)	20 (22)	19 (20)	17 (18)
Other Ground Movement	--	0 (1)	0 (1)	1 (1)	0 (1)	--
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	3 (4)	--	14 (19)	4 (5)	3 (3)	5 (5)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	72 (73)	37 (44)	54 (54)	48 (49)	42 (42)	33 (42)
Wheeled Trackless Transp.	24 (28)	22 (27)	24 (27)	20 (21)	22 (24)	15 (16)
Other Transp. Machinery	7 (7)	13 (13)	11 (12)	8 (8)	9 (9)	2 (2)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	36 (37)	24 (24)	33 (34)	23 (23)	27 (27)	25 (26)
5. EXPLOSIVES	3 (5)	5 (11)	3 (4)	0 (1)	1 (1)	3 (3)
6. ELECTRICITY	2 (2)	3 (3)	1 (1)	3 (3)	2 (6)	3 (3)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	1 (2)	--	--	1 (3)	--	2 (2)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	194 (196)	133 (133)	167 (168)	168 (168)	135 (135)	129 (130)
Fall of Objects	108 (109)	84 (86)	74 (74)	87 (87)	88 (88)	59 (59)
Other Falls	7 (7)	4 (4)	6 (6)	9 (9)	6 (6)	7 (7)
9. OTHER CAUSES						
Irruption of Water	1 (1)	--	--	--	--	--
Flying Pieces	--	--	1 (1)	--	--	--
Miscellaneous	121 (121)	102 (104)	106 (106)	123 (124)	85 (85)	61 (61)
T O T A L	636 (660)	480 (511)	533 (556)	536 (548)	456 (468)	379 (394)
B E L O W G R O U N D :	490 (506)	348 (370)	379 (397)	374 (382)	336 (341)	250 (263)
O P E N C A S T :	50 (54)	62 (69)	73 (78)	61 (65)	56 (59)	64 (66)
A B O V E G R O U N D :	96 (100)	70 (72)	81 (81)	101 (101)	64 (68)	65 (65)

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	2008	2009	2010	2011	2012	2013	2014
1	Overwinding of cages, skip or bucket	--	5	2	1	3	1	2
2	Spontaneous heating of coal in underground	5	--	5	6	6	4	2
3	Spontaneous heating of coal on surface	--	--	--	--	2	3	--
4	Spontaneous heating of coal in opencast	1	3	--	--	1	2	--
5	Outbreak of fire underground from spontaneous heating	--	--	1	--	-	1	--
6	Outbreak of fire underground from causes other than spontaneous heating	--	2	--	--	1	-	--
7	Outbreak of fire in quarry from causes other than spontaneous heating	--	--	--	--	-	1	--
8	Outbreak of fire on surface from causes other than spontaneous heating	--	--	1	--	1	2	2
9	Premature collapse of workings or failure of pillars	--	2	2	--	-	1	--
10	Influx of noxious gases	--	3	2	3	-	2	--
11	Breakage of winding rope	1	1	1	--	-	1	--
12	Breakdown of winding engine, crank shaft, bearing etc.	1	--	--	1	4	1	1
13	Ignition or occurrence of inflammable gas	--	--	--	--	-	-	1
14	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons was endangered	3	--	--	1	-	-	1
15	Irruption of water	3	--	1	1	2	1	4
16	Subsidence	1	--	--	--	-	-	--
17	Explosives	2	--	--	--	-	-	1
18	Others	7	12	10	10	9	27	41
Total		24	28	25	23	29	47	55

STATEMENT NO. 5.6a

Number of accidents and placewise casualties/seriously injured persons in coal mines by state and district during the year 2014

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	1	45		2	0	0	0	0	2		40	1	0	5	0	46										
	Karimnagar	1	34		1	0	0	0	0	1		25	5	0	4	0	34										
	Khammam	1	5		0	0	0	1	0	1		4	1	0	0	0	5										
	Warangal	1	15		1	0	0	0	0	1		12	1	0	2	0	15										
	TOTAL : ANDHRA PRADESH	4	99		4	0	0	1	0	5		81	8	0	11	0	100										
	ASSAM																										
	Tinsukia	0	1		0	0	0	0	0	0		0	0	0	1	0	1										
	TOTAL : ASSAM	0	1		0	0	0	0	0	0		0	0	0	1	0	1										
	CHHATTISGARH																										
	Bilaspur	0	3		0	0	0	0	0	0		3	0	0	0	0	0	3									
	Raigarh	0	4		0	0	0	0	0	0		3	1	0	0	0	0	4									
	Surjua	0	10		0	0	0	0	0	0		7	1	0	2	0	10										
	Korea	3	4		2	1	0	0	0	3		2	0	0	2	0	4										
	Korba	3	9		0	3	0	0	0	3		3	4	0	3	0	10										
	Surajpur	2	0		2	0	0	0	0	2		0	0	0	0	0	0	0	0	0	0	0	0				
	TOTAL : CHHATTISGARH	8	30		4	4	0	0	0	8		18	6	0	7	0	31										
	JHARKHAND																										
	Deoghar	1	0		0	1	0	0	0	1		0	0	0	0	0	0	0	0	0	0	0	0				
	Dhanbad	9	26		2	5	0	2	0	9		10	9	0	8	0	27										
	Giridih	0	1		0	0	0	0	0	0		0	0	0	1	0	1										
	Godda	0	1		0	0	0	0	0	0		0	1	0	0	0	1										
	Hazaribagh	0	1		0	0	0	0	0	0		1	0	0	0	0	1										
	Bokaro	1	1		0	1	0	0	0	1		0	0	0	1	0	1										
	Chatra	2	0		1	1	0	0	0	2		0	0	0	0	0	0	0	0	0	0	0	0				
	Ramgarh	2	1		0	1	0	1	0	2		0	0	0	1	0	1										
	TOTAL : JHARKHAND	15	31		3	9	0	3	0	15		11	10	0	11	0	32										

Statement 5.6a (Continued...)

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	F	M	M	F	M	F		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
MADHYA PRADESH															
	Betul	1	0	1	0	0	0	0	1	1	0	0	0	0	1
	Chhindwara	0	7	0	0	0	0	0	0	6	0	0	1	0	7
	Shahdol	2	6	1	2	0	0	0	3	3	0	0	3	0	6
	Anuppur	2	1	2	0	0	0	0	2	1	0	0	0	0	1
	Singrauli	3	4	0	2	0	1	0	3	0	4	0	0	0	4
TOTAL : MADHYA PRADESH		8	18	4	4	0	1	0	9	11	4	0	4	0	19
MAHARASHTRA															
	Chandrapur	6	10	0	5	0	1	0	6	3	6	0	2	0	11
	Nagpur	2	9	0	3	0	0	0	3	5	2	0	2	0	9
	Yavatmal	0	5	0	0	0	0	0	0	0	4	0	1	0	5
TOTAL : MAHARASHTRA		8	24	0	8	0	1	0	9	8	12	0	5	0	25
ORISSA															
	Angul	1	9	0	0	0	1	0	1	0	6	0	3	0	9
	Jharsuguda	0	2	0	0	0	0	0	0	1	1	0	0	0	2
TOTAL : ORISSA		1	11	0	0	0	1	0	1	1	7	0	3	0	11
TELANGANA															
	Adilabad	3	65	3	0	0	0	0	3	61	4	0	10	0	75
	Karimnagar	0	32	0	0	0	0	0	0	23	6	0	3	0	32
	Khammam	1	14	0	1	0	0	0	1	5	5	0	4	0	14
	Warangal	0	12	0	0	0	0	0	0	12	0	0	0	0	12
TOTAL : TELANGANA		4	123	3	1	0	0	0	4	101	15	0	17	0	133
UTTAR PRADESH															
	Sonebhadra	4	0	0	3	0	1	0	4	0	0	0	0	0	0
TOTAL : UTTAR PRADESH		4	0	0	3	0	1	0	4	0	0	0	0	0	0
WEST BENGAL															
	Bankura	0	2	0	0	0	0	0	0	2	0	0	0	0	2
	Burdwan	3	37	3	0	0	0	0	3	29	2	0	6	0	37
	Purulia	0	1	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL : WEST BENGAL		3	40	3	0	0	0	0	3	32	2	0	6	0	40
ALL INDIA : COAL		55	377	21	29	0	8	0	58	263	64	0	65	0	392

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		Opencast		Above Ground	Total	
		Fatal	Serious	M	M	F	M	F	M	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	2	0	0	2	0	0	0	2	0	0	0	0	0	0
TOTAL : RAJASTHAN		2	0	0	2	0	0	0	2	0	0	0	0	0	0
TAMIL NADU															
Cuddalore															
TOTAL : TAMIL NADU		2	2	0	2	0	0	0	2	0	2	0	0	0	2
ALL INDIA : LIGNITE															
ALL INDIA : ALL COAL		4	2	0	4	0	0	0	4	0	2	0	0	0	2
59	379	21	33	0	8	0	62	263	66	0	65	0	394		

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 2014

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.	Death S/Inj.	Death S/Inj.
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. COAL													
	ANDHRA PRADESH												
	Adilabad	0.15	...	...	0.12	2.97	0.56	4.07	2.79	0.04	0.92	0.16	3.78
	Karimnagar	0.06	...	...	0.04	1.61	0.75	1.09	1.32	0.01	0.42	0.03	1.12
	Khammam	...	...	0.33	0.10	0.50	0.25	...	0.52	0.03	0.16	0.04	0.18
	Warangal	0.23	...	...	0.20	2.76	4.35	5.29	3.03	0.06	0.97	0.35	5.27
	TOTAL : ANDHRA PRADESH	0.11	...	0.12	0.09	2.25	0.63	1.34	1.76	0.03	0.56	0.07	1.37
	ASSAM												
	Tinsukia	...	...	...	...	...	...	1.72	0.58	...	0.19	...	1.37
	TOTAL : ASSAM	...	...	...	...	...	...	1.72	0.58	...	0.19	...	1.37
	CHHATTISGARH												
	Bilaspur	...	...	...	...	7.85	...	...	6.34	...	1.75	...	16.48
	Raigarh	...	...	...	...	1.02	0.62	...	0.71	...	0.22	...	0.18
	Surjua	...	...	...	...	1.83	0.51	1.85	1.46	...	0.42	...	1.14
	Korea	0.26	4.57	...	0.30	0.26	...	0.95	0.40	0.08	0.11	0.53	0.71
	Korba	...	0.61	...	0.24	0.91	0.82	0.69	0.80	0.07	0.23	0.03	0.10
	Surajpur	2.05	...	...	1.66	...	...	...	...	0.46	...	1.80	...
	TOTAL : CHHATTISGARH	0.21	0.46	...	0.22	0.94	0.68	0.79	0.84	0.06	0.24	0.06	0.23
	JHARKHAND												
	Deoghar	...	1.88	...	0.95	...	...	...	...	0.26	...	0.64	...
	Dhanbad	0.06	0.48	0.16	0.17	0.32	0.86	0.65	0.50	0.05	0.16	0.21	0.64
	Giridih	...	...	...	...	...	...	3.12	1.69	...	0.56	...	0.97
	Godda	...	...	...	...	...	3.94	...	2.31	...	0.63	...	2.57
	Hazaribagh	...	...	...	...	0.28	...	...	0.07	...	0.02	...	0.07
	Bokaro	...	0.17	...	0.08	...	...	0.32	0.08	0.03	0.03	0.05	0.05
	Chatra	2.89	1.02	...	0.89	...	...	...	...	0.27	...	0.10	...
	Ramgarh	...	1.52	2.97	1.43	...	...	2.97	0.72	0.44	0.22	1.64	0.82
	TOTAL : JHARKHAND	0.08	0.35	0.11	0.17	0.28	0.39	0.42	0.35	0.05	0.11	0.14	0.29
	MADHYA PRADESH												
	Betul	0.26	...	...	0.23	0.26	...	...	0.23	0.07	0.07	0.30	0.30
	Chhindwara	...	...	...	...	1.26	...	1.05	1.17	...	0.44	...	2.30
	Shahdol	0.10	2.48	...	0.19	0.29	...	0.66	0.38	0.06	0.12	0.30	0.61
	Anuppur	1.48	...	...	0.98	0.74	...	...	0.49	0.27	0.13	1.05	0.53
	Singrauli	...	2.69	2.04	2.44	...	5.38	...	3.25	0.85	1.13	0.53	0.71
	TOTAL : MADHYA PRADESH	0.16	0.35	0.08	0.19	0.44	0.35	0.33	0.39	0.06	0.13	0.14	0.30

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
MAHARASHTRA													
	Chandrapur	...	1.55	0.14	0.40	0.69	1.85	0.28	0.74	0.13	0.24	0.27	0.50
	Nagpur	...	2.75	...	0.42	1.32	1.83	0.87	1.25	0.13	0.39	0.34	1.03
	Yavatmal	...	...	...	...	...	1.70	0.58	1.06	...	0.32	...	0.43
TOTAL : MAHARASHTRA		...	1.20	0.09	0.34	0.91	1.80	0.44	0.93	0.11	0.29	0.21	0.59
ORISSA													
	Angul	...	...	0.19	0.07	...	0.93	0.56	0.66	0.02	0.20	0.01	0.12
	Jharsuguda	...	...	...	...	0.47	0.32	...	0.29	...	0.09	...	0.05
TOTAL : ORISSA		...	...	0.14	0.05	0.25	0.65	0.41	0.50	0.01	0.15	0.01	0.09
TELANGANA													
	Adilabad	0.22	...	...	0.18	4.53	2.24	8.14	4.55	0.06	1.50	0.25	6.16
	Karimnagar	...	...	...	...	1.48	0.90	0.84	1.25	...	0.40	...	1.06
	Khammam	...	0.25	...	0.10	1.87	1.26	1.31	1.45	0.03	0.45	0.04	0.51
	Warangal	...	...	...	...	2.76	...	...	2.42	...	0.78	...	4.22
TOTAL : TELANGANA		0.08	0.08	...	0.07	2.81	1.19	2.07	2.34	0.02	0.75	0.05	1.82
UTTAR PRADESH													
	Sonebhadra	...	0.69	0.22	0.45	...	...	...	...	0.14	...	0.14	...
TOTAL : UTTAR PRADESH		...	0.69	0.22	0.45	...	...	...	...	0.14	...	0.14	...
WEST BENGAL													
	Bankura	...	...	...	...	4.49	...	...	1.29	...	0.40	...	0.78
	Burdwan	0.10	...	...	0.06	0.94	0.57	0.46	0.78	0.02	0.24	0.11	1.38
	Purulia	...	...	...	...	0.85	...	...	0.64	...	0.21	...	8.79
TOTAL : WEST BENGAL		0.09	...	...	0.06	0.98	0.47	0.43	0.79	0.02	0.25	0.10	1.34
ALL INDIA : COAL		0.13	0.34	0.09	0.17	1.60	0.75	0.70	1.14	0.05	0.36	0.10	0.65
2. LIGNITE													
RAJASTHAN													
	Barmer	...	3.05	...	1.94	...	...	...	...	0.56	...	0.29	...
TOTAL : RAJASTHAN		...	2.04	...	1.45	...	...	...	...	0.42	...	0.21	...

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
TAMIL NADU													
	Cuddalore	...	0.34	...	0.23	...	0.34	...	0.23	0.08	0.08	0.08	0.08
TOTAL : TAMIL NADU		...	0.34	...	0.23	...	0.34	...	0.23	0.08	0.08	0.08	0.08
ALL INDIA : LIGNITE													
ALL INDIA : ALL COAL		0.13	0.35	0.08	0.17	1.60	0.70	0.67	1.11	0.05	0.35	0.10	0.61

STATEMENT NO. 5.7a

Casualty/serious injury rates in coal mines for different companies in 2014

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	Female	Male	Female	Male	Female	Male	Female	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
BCCL	8	21	1	5	0	2	0	8	7	8	0	7	0	22		
CCL	4	4	1	2	0	1	0	4	1	0	0	3	0	4		
ECL	5	42	4	1	0	0	0	5	32	4	0	6	0	42		
MCL	1	11	0	0	0	1	0	1	1	7	0	3	0	11		
NCL	7	4	0	5	0	2	0	7	0	4	0	0	0	4		
NEC	0	1	0	0	0	0	0	0	0	0	0	1	0	1		
SECL	11	34	7	5	0	0	0	12	20	5	0	10	0	35		
WCL	9	31	1	8	0	1	0	10	15	12	0	6	0	33		
TOTAL : C. I. L.	45	148	14	26	0	7	0	47	76	40	0	36	0	152		
NLC	2	2	0	2	0	0	0	2	0	2	0	0	0	2		
SCCL	8	222	7	1	0	1	0	9	182	23	0	28	0	233		
TISCO	1	4	0	1	0	0	0	1	3	0	0	1	0	4		
PIL	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
MIL	0	2	0	0	0	0	0	0	2	0	0	0	0	2		
JPL	0	1	0	0	0	0	0	0	0	1	0	0	0	1		
BLMCL	2	0	0	2	0	0	0	2	0	0	0	0	0	0		
TOTAL : NON-C. I. L.	14	231	7	7	0	1	0	15	187	26	0	29	0	242		
TOTAL : ALL INDIA	59	379	21	33	0	8	0	62	263	66	0	65	0	394		

STATEMENT NO. 5.7b
Casualty/serious injury rates in coal mines for different companies in 2014

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	0.04	0.50	0.19	0.19	0.31	0.81	0.65	0.51	0.06	0.16	0.20	0.55
CCL	0.15	0.16	0.09	0.13	0.15	...	0.27	0.13	0.04	0.04	0.07	0.07
ECL	0.11	0.28	...	0.09	0.91	1.10	0.41	0.79	0.03	0.24	0.21	1.72
MCL	...	...	0.14	0.05	0.25	0.66	0.42	0.51	0.01	0.15	0.01	0.09
NCL	...	0.36	0.23	0.31	...	0.29	...	0.18	0.10	0.06	0.10	0.06
NEC	...	...	...	...	...	...	1.72	0.58	...	0.19	...	1.37
SECL	0.21	0.61	...	0.22	0.61	0.61	0.72	0.64	0.06	0.19	0.09	0.27
WCL	0.06	1.31	0.08	0.28	0.88	1.97	0.48	0.92	0.09	0.29	0.23	0.77
TOTAL : C. I. L.	0.12	0.40	0.09	0.18	0.64	0.61	0.45	0.58	0.06	0.18	0.10	0.31
NLC	...	0.34	...	0.23	...	0.34	...	0.23	0.08	0.08	0.08	0.08
SCCL	0.19	0.08	0.12	0.16	5.06	1.82	3.41	4.10	0.05	1.32	0.12	3.20
TISCO	...	0.86	...	0.14	0.59	...	1.19	0.56	0.05	0.19	0.16	0.66
PIL	...	4.63	...	3.83	...	...	...	...	1.32	...	0.92	...
MIL	...	...	...	...	1.27	...	...	1.07	...	0.29	...	1.87
JPL	...	...	...	...	...	1.72	...	0.96	...	0.29	...	0.15
BLMCL	...	7.33	...	3.34	...	...	...	...	1.26	...	2.12	...
TOTAL : NON-C. I. L.	0.15	0.25	0.06	0.16	4.06	0.91	1.62	2.62	0.05	0.85	0.09	1.46
TOTAL : ALL INDIA	0.13	0.35	0.08	0.17	1.60	0.70	0.67	1.11	0.05	0.35	0.10	0.61

STATEMENT NO. 5.8

Number of accidents and casualties/seriously injured persons in coal mines by place and detailed cause in 2014

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	10	11	2	18	18	0	0	0	0	0	0	0	0	0	0	10	11	2	18	18
Fall of Sides (Other than Overhangs)	2	2	0	17	18	0	0	0	0	0	0	0	0	0	0	2	2	0	17	18
Landslide	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	2	0	0	0
TOTAL : GROUND MOVEMENT	12	13	2	35	36	1	2	0	0	0	0	0	0	0	0	13	15	2	35	36
Falls of Objects from Cages, Skip etc.	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Hit by Cages, Skip etc.	0	0	0	2	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	3
Other Accident due to Winding Operation	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
TOTAL : TRANSPORTATION MACHINERY (WINDING)	0	0	0	4	4	0	0	0	0	0	0	0	0	1	1	0	0	0	5	5
Aerial Ropeway	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Rope Haulage	0	0	0	31	40	0	0	0	0	0	1	1	0	2	2	1	1	0	33	42
Conveyors	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	2	2
Dumpers	0	0	0	0	0	12	13	0	5	5	4	4	0	1	1	16	17	0	6	6
Wheeled Trackless(Truck, Tanker, etc.)	0	0	0	2	2	1	1	1	6	6	0	0	0	1	1	1	1	1	9	9
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	1	1	0	34	43	13	14	1	12	12	5	5	0	4	4	19	20	1	50	59
Loading Machines	2	2	0	0	0	2	2	0	0	0	0	0	0	0	0	4	4	0	0	0
Shovel, Draglines, Frontend Loader, etc.	0	0	0	0	0	3	3	0	1	1	0	0	0	0	0	3	3	0	1	1
Other Heavy Earth Moving Machinery	0	0	0	0	0	7	7	0	7	7	0	0	0	1	1	7	7	0	8	8
Other Non-Transportation Machinery	0	0	0	8	9	0	0	0	2	2	1	1	0	6	6	1	1	0	16	17
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	2	2	0	8	9	12	12	0	10	10	1	1	0	7	7	15	15	0	25	26

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	1	0	0	0	0	0	1	1	0	1	1	
Deep Hole Blasting Projectiles	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	
Secondary 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)	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
TOTAL : EXPLOSIVES	1	1	0	1	1	1	1	1	0	2	2	0	0	0	0	2	2	0	3	3	
Overhead Lines	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	0	1	1
Energized Machines	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
Other Electrical Accidents	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	2	2	
TOTAL : ELECTRICITY	1	1	0	1	1	1	1	1	0	0	0	0	0	0	2	2	0	3	3		
Outbreak of Fire or Spontaneous Heating	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	
Other Combustible Material	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	
Other Accidents due to Dust/Gas/Fire	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
TOTAL : DUST, GAS & OTHER COMBUSTIBLE MATERIAL	1	1	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	0	2	2	
Fall of Person from Height/into Depth	1	1	0	83	83	1	1	0	22	23	0	0	0	21	21	2	2	0	126	127	
Fall of Persons on the Same Level	0	0	0	1	1	0	0	0	1	1	0	0	0	1	1	0	0	0	3	3	
Fall of Objects incl. Rolling Objects	0	0	0	44	44	1	1	0	4	4	1	1	0	11	11	2	2	0	59	59	
Other Accidents due to Falls	0	0	0	5	5	0	0	0	1	1	0	0	0	1	1	0	0	0	7	7	
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	1	1	0	133	133	2	2	0	28	29	1	1	0	34	34	4	4	0	195	196	
Buried in Sands, etc.	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2	0	0	0	
Unclassified	1	1	0	33	33	0	0	0	12	12	0	0	0	16	16	1	1	0	61	61	
TOTAL : OTHER CAUSES	1	1	0	33	33	1	1	0	12	12	1	1	0	16	16	3	3	0	61	61	
ALL INDIA : ALL COAL	20	21	2	250	261	31	33	1	64	65	8	8	0	65	65	59	62	3	379	391	

STATEMENT NO. 5.9

Number of fatal accidents in coal mines by major cause and responsibility during the year 2014

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Misadventure	-	-	-	-	-	-	-	-	1	1
Management	1	-	1	1	-	-	-	1	2	6
Management & Sub. Sup. Staff(SSS)	7	-	3	1	-	1	-	1	-	13
Management, SSS & Coworker	-	-	2	2	-	-	-	-	-	4
Management, SSS, Coworker, Deceased & Deceased	-	-	1	2	-	-	-	-	-	3
Management, SSS & Deceased	-	-	-	1	-	-	1	1	-	3
Management & Shotfirer	-	-	-	-	1	-	-	-	-	1
Management & Coworker	-	-	4	3	-	-	-	-	-	7
Management & Deceased	-	-	1	-	-	-	-	-	-	1
Subordinate Supervisory Staff(SSS)	3	-	-	-	1	1	-	1	-	6
Sub. Sup. Staff & Coworker	-	-	-	1	-	-	-	-	-	1
Sub. Sup. Staff, Coworker & Deceased	-	-	-	1	-	-	-	-	-	1
Sub. Sup. Staff & Deceased	1	-	-	1	-	-	-	-	-	2
Coworker	-	-	4	1	-	-	-	-	-	5
Deceased	-	-	3	1	-	-	-	-	-	4
Others	1	-	-	-	-	-	-	-	-	1
Total	13	0	19	15	2	2	1	4	3	59

STATEMENT NO. 5.10

Causewise number of fatal accidents in coal mines for different companies in 2014

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL
Fall of Roof	--	--	2	--	--	--	5	1	8	2	--	--	--	--	10
Killed-S/Injured :	--	--	2- 0	--	--	--	5- 0	1- 1	8- 1	3- 1	--	--	--	--	11- 2
Fall of Sides	--	1	--	--	--	--	--	--	1	1	--	--	--	--	2
Killed-S/Injured :	--	1- 0	--	--	--	--	--	--	1- 0	1- 0	--	--	--	--	2- 0
Rope Haulage	1	--	--	--	--	--	--	--	1	--	--	--	--	--	1
Killed-S/Injured :	1- 0	--	--	--	--	--	--	--	1- 0	--	--	--	--	--	1- 0
Dumpers	1	1	--	1	5	--	--	5	13	2	--	--	--	1	16
Killed-S/Injured :	1- 0	1- 0	--	1- 0	5- 0	--	--	6- 0	14- 0	2- 0	--	--	--	1- 0	17- 0
Trucks	--	--	--	--	--	--	1	--	1	--	--	--	--	--	1
Killed-S/Injured :	--	--	--	--	--	--	1- 1	--	1- 1	--	--	--	--	--	1- 1
Other Machinery	4	2	1	--	--	--	--	3	10	2	--	1	1	2	16
Killed-S/Injured :	4- 0	2- 0	1- 0	--	--	--	--	3- 0	10- 0	2- 0	--	1- 0	1- 0	2- 0	16- 0
Explosives	1	--	--	--	--	--	1	--	2	--	--	--	--	--	2
Killed-S/Injured :	1- 0	--	--	--	--	--	1- 0	--	2- 0	--	--	--	--	--	2- 0
Fall of Persons	--	--	--	--	--	--	1	--	1	1	--	--	--	--	2
Killed-S/Injured :	--	--	--	--	--	--	1- 0	--	1- 0	1- 0	--	--	--	--	2- 0
Fall of Objects	--	--	--	--	2	--	--	--	2	--	--	--	--	--	2
Killed-S/Injured :	--	--	--	--	2- 0	--	--	--	2- 0	--	--	--	--	--	2- 0
Other Causes	1	--	2	--	--	--	3	--	6	--	--	1	--	--	7
Killed-S/Injured :	1- 0	--	2- 0	--	--	--	4- 0	--	7- 0	--	--	1- 0	--	--	8- 0
Below Ground	1	1	4	--	--	--	7	1	14	6	--	--	--	--	20
Killed-S/Injured :	1- 0	1- 0	4- 0	--	--	--	7- 0	1- 1	14- 1	7- 1	--	--	--	--	21- 2
Opencast	5	2	1	--	5	--	4	7	24	1	--	2	1	3	31
Killed-S/Injured :	5- 0	2- 0	1- 0	--	5- 0	--	5- 1	8- 0	26- 1	1- 0	--	2- 0	1- 0	3- 0	33- 1
Above Ground	2	1	--	1	2	--	--	1	7	1	--	--	--	--	8
Killed-S/Injured :	2- 0	1- 0	--	1- 0	2- 0	--	--	1- 0	7- 0	1- 0	--	--	--	--	8- 0
TOTAL	8	4	5	1	7	--	11	9	45	8	--	2	1	3	59
Killed-S/Injured :	8- 0	4- 0	5- 0	1- 0	7- 0	--	12- 1	10- 1	47- 2	9- 1	--	2- 0	1- 0	3- 0	62- 3

STATEMENT NO. 5.11

Causewise number of serious accidents in coal mines for different companies in 2014

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL
Fall of Roof	2	--	1	1	--	--	4	--	8	9	--	--	1	--	18
S/Injured :	2	--	1	1	--	--	4	--	8	9	--	--	1	--	18
Fall of Sides	1	--	1	--	--	--	2	2	6	10	--	--	1	--	17
S/Injured :	2	--	1	--	--	--	2	2	7	10	--	--	1	--	18
Rope Haulage	--	--	5	--	--	--	2	1	8	25	--	--	--	--	33
S/Injured :	--	--	5	--	--	--	2	1	8	34	--	--	--	--	42
Dumpers	--	--	--	1	1	--	--	2	4	1	--	--	--	1	6
S/Injured :	--	--	--	1	1	--	--	2	4	1	--	--	--	1	6
Trucks	2	--	--	3	--	--	--	1	6	3	--	--	--	--	9
S/Injured :	2	--	--	3	--	--	--	1	6	3	--	--	--	--	9
Other Machinery	4	--	5	4	--	--	3	6	22	9	--	1	--	--	32
S/Injured :	4	--	5	4	--	--	3	6	22	10	--	1	--	--	33
Explosives	--	--	--	--	--	--	--	1	1	2	--	--	--	--	3
S/Injured :	--	--	--	--	--	--	--	1	1	2	--	--	--	--	3
Fall of Persons	3	3	17	2	1	--	10	9	45	82	--	1	--	1	129
S/Injured :	3	3	17	2	1	--	10	10	46	82	--	1	--	1	130
Fall of Objects	3	--	7	--	2	--	6	3	21	37	--	--	1	--	59
S/Injured :	3	--	7	--	2	--	6	3	21	37	--	--	1	--	59
Other Causes	6	1	6	--	--	1	7	6	27	44	--	--	1	1	73
S/Injured :	6	1	6	--	--	1	7	6	27	44	--	--	1	1	73
Below Ground	6	1	32	1	--	--	20	14	74	171	--	--	3	2	250
S/Injured :	7	1	32	1	--	--	20	14	75	181	--	--	3	2	261
Opencast	8	--	4	7	4	--	4	11	38	23	--	2	--	1	64
S/Injured :	8	--	4	7	4	--	4	12	39	23	--	2	--	1	65
Above Ground	7	3	6	3	--	1	10	6	36	28	--	--	1	--	65
S/Injured :	7	3	6	3	--	1	10	6	36	28	--	--	1	--	65
TOTAL	21	4	42	11	4	1	34	31	148	222	--	2	4	3	379
S/Injured :	22	4	42	11	4	1	34	32	150	232	--	2	4	3	391

STATEMENT NO. 5.12
**Regionwise/zonewise number of accidents and resultant
casualties/seriously injured persons in coal mines in 2014**

Region / Zone	Fatal Accidents			Serious Accidents	
	2014			2014	
	No. of Accident	Killed	S/Injured	No. of Accident	S/Injured
Dhanbad I	1	1	--	13	13
Dhanbad II	3	3	--	7	7
Dhanbad III	5	5	--	3	4
Koderma	1	1	--	2	2
Central Zone	10	10	--	25	26
Sitarampur I	--	--	--	22	22
Sitarampur II	2	2	--	12	12
Sitarampur III	2	2	--	11	11
Eastern Zone	4	4	--	45	45
Ajmer	2	2	--	--	--
Varanasi	7	7	--	4	4
Northern Zone	9	9	--	4	4
Hyderabad I	4	4	--	112	112
Hyderabad II	4	5	1	110	120
South-Central Zone	8	9	1	222	232
Bhubaneswar	1	1	--	11	11
Ranchi	4	4	--	2	2
South-Eastern Zone	5	5	--	13	13
Chennai	2	2	--	2	2
Southern Zone	2	2	--	2	2
Bilaspur	8	8	1	30	30
Jabalpur	4	5	--	7	7
Nagpur I	3	4	1	16	16
Nagpur II	6	6	--	15	16
Western Zone	21	23	2	68	69
ALL INDIA	59	62	3	379	391

STATEMENT NO. 5.13

Summary of Findings of Fatal Accidents during the year, 2014

Code : 0100 Ground Movement

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

1. Date – 06/08/14

Time – 16.00

Mine – MAHAMAYA PROJECT

Owner – South Eastern Coalfields Ltd.

Dist. – Surajpur, State – Chhattisgarh

Person(s) Killed :

1. Deolal, Dresser, Male, 58 Years

While a dresser was dressing beneath the un-supported roof, a piece of hard shaly sandstone measuring about 2.6m X 0.7m-1.4m-1.9m X 6.0cm parted down from the roof from a height of about 2.50m, inflicting serious bodily injuries to which he succumbed on the spot.

Had the layer of shaly sandstone been brought down by blasting or by dressing under competent supervision or the layer of shaly sand stone been made and kept secured providing artificial support as required under the provisions of Regulations 102(1) and Condition No.3(a) of Systematic support rules under the provision of Regulation 108 of the Coal Mines Regulations, 1957 and annexed as enclosure to permission letter no. RGR/Mahamaya/p-100(1)/15/2014/571 dated 04.04.14 for depillaring with caving in 11 level south (m6) panel in upper patpahari seam, this accident could have been averted.

2. Date – 08/03/14

Time – 02.50

Mine – SHYAMSUNDARPUR

Owner – Eastern Coalfields Ltd.

Dist. – Burdwan, State – West Bengal

Person(s) Killed :

1. P P Kumar Sharma, Cont. workman, Male, 43 Years

While a Continuous Miner Operator was standing at a distance of 3.5m from the face, beneath unsupported freshly exposed roof in a Continuous Miner development district, , coal roof measuring 5.5m X 3.5m X 0.10-0.52m (thick), fell from a height of 4.0m over him resulting serious bodily injuries to which he succumbed on the way to the hospital.

"Misadventure"

3. Date – 08/12/14

Time – 21.30

Mine – CHURCHA WEST

Owner – South Eastern Coalfields Ltd.

Dist. – Korea, State – Chhattisgarh

Person(s) Killed :

1. Fulsai, Cat VI-Dresser, Male, 49 Years

While a dresser entered in a split gallery of a depillaring panel of a belowground coal mine, to access balance coal left in the face at the end of Shift, a layer of sandstone measuring about 4.0m (Length) X 2.8m (Width) X 0.13m (thick) parted from a height of 3.0m from unsupported roof, fell on him, inflicting serious bodily injuries, to which he succumbed almost instantly.

Had

i) The freshly exposed roof been supported as per Systematic support rules framed by the Manager under the provision of Reg. 108 of the Coal Mines Regulations, 1957 and modified by this Directorate's letter No. 813 dated 20.02.14; and

ii) The roof of 43 1/2 LW/15X- split gallery been kept secured by dressing the roof properly as per the provision of Reg. 102(1) of the Coal Mines Regulations, 1957;

this accident could have been averted.

4. Date – 10/06/14

Mine – DAMINI U/G MINE

Time – 12.40

Owner – South Eastern Coalfields Ltd.

Dist. – Shahdol, State – Madhya Pradesh

Person(s) Killed :

1. Hetram, Loader, Male, 54 Years

While a dresser was dressing the roof of a freshly blasted junction in a development district of belowground coal mine with a dressing rod, a piece of sandstone measuring 2.9m (length) X 0.30m to 2.39m (width) X 0.70m (thick) parted from a height of 1.90m and fell on him, inflicting serious bodily injuries, which proved fatal in about an hour.

Had

i) the person not entered beneath the freshly exposed unsupported roof for dressing the same by removing the fencing without the permission of an official and thus had not negligently done anything likely to endanger life, as required under Regulation 190 read with Regulation 38(3)(a) of the Coal Mines Regulations, 1957; and

ii) it been ensured that the competent person in the district carry out his duty in a proper manner, safety and proper discipline of the persons employed in the district been enforced and life not been endangered as required under Regulation 43(1)(d), 43(1)(e) read with Regulation 190 of the Coal Mines Regulations, 1957;

this accident could have been averted.

5. Date – 10/10/14

Mine – SHOBHAPUR

Time – 04.00

Owner – Western Coalfields Ltd.

Dist. – Betul, State – Madhya Pradesh

Person(s) Killed :

1. Hiralal, General Mazdoor, Male, 51 Years

While a Mining Sirdar working as a shot-firer and two explosive carriers entered below the blasted roof of a gallery in an underground coal mine to check misfire holes after 15 minutes of blasting, a piece of roof stone measuring 2.6m X 1.7m X .22m fell from a height of 1.5m inflicting fatal injury to one of the explosive carriers and serious bodily injury to the other. The Mining Sirdar escaped with minor injuries.

Had the workmen/persons not been allowed to enter below blasted roof without making it secure & safe as required under Regulation 102 & 176 of the Coal Mines Regulations, 1957, the accident could have been averted.

6. Date - 11/01/14
Time - 06. 45

Mine - RAVINDRA KHANI NEW TECH
Owner - Singareni Collieries Company Ltd.
Dist. - Adilabad, State - Andhra Pradesh
Person(s) Killed :

1. Rapaka Kotaiah, Coal Cutter, Male, 55 Years
2. Nerella Satheesh, Coal Cutter, Male, 34 Years

While a group of three persons were engaged for drilling in a rib for knocking it down in a caving panel of a mine, suddenly roof fall occurred in the goaf measuring about 1.3m X 1.4m X 0.3m and at the same time a chunk measuring about 2.1m X 3.1m X 0.3m滑 from the goaf burying two persons causing instantaneously death and other person escaped with minor injuries.

Had

- i) no person been engaged below the unsupported roof for knocking down of rib/stock and withdrawal of supports been ensured in proper manner by the sub-ordinate supervisory officials as required under Regulation No. 44(2) (a), 43(1) (d), 42(2) and 110 of the Coal Mines Regulations, 1957 ; and
- ii) a safe code of practice been framed and enforced for judiciously extraction of rib pillars including safe procedure for knocking down of stock/rib pillar as required under regulation 41(1)(a), 110 read with condition no. 2.9. (iii) of annexure 1/100 of permission obtained from this Directorate's letter No. HR2(SCZ)/010091/Perm-29(13)/2013/1188, dated 08.04.2013 under Regulation 100 the coal Mines Regulation, 1957

this accident could have been averted.

7. Date - 11/08/14
Time - 13. 30

Mine - SRIRAMPUR NO. 1
Owner - Singareni Collieries Company Ltd.
Dist. - Adilabad, State - Telangana
Person(s) Killed :

1. Erra Mallaiah, Coal Cutter, Male, 53 Years

While a coal cutter was dressing roof after blasting under the supervision of mining sirdar in a level gallery near the fault zone of a depillaring panel of a coal mine, suddenly a mass of stone measuring about 11.7m X 1.0m X 0.2m to 0.7m thick parted from roof and fell down over them from a height of about 3.6, inflicting serious bodily injury to one of them to which he died on the spot and another received serious injuries.

Had the galleries on either side of geologically disturbed fault zone been supported as per the requirement of condition no. 5(f) & 10(4) (d) of systematic support rule framed under Regulation 108 of Coal Mine Regulations, 1957 and also the panel barrier pillar not been splitted in contravention of condition no. (29g) and condition no. 8.0 of permission obtained vide this Directorate letter no. HR2(SCZ)/010033/PERM/2012/5622-27 dated 24/12/2012 under Regulation 100(1) of the Coal Mines Regulation, 1957, this accident could have been averted.

8. Date - 16/06/14
Time - 10.15

Mine - JAMUNA 9 & 10 MINE
Owner - South Eastern Coalfields Ltd.
Dist. - Anuppur, State - Madhya Pradesh
Person(s) Killed :

1. Hari Singh, Support Mistry, Male, 54 Years

While a dresser was dressing the roof of a gallery, in a development district of a belowground coal mine, a piece of sandstone roof measuring 0.8m (length) X 0.50m (Width) X 0.30m (thick), subsequently followed by another measuring 1.70m (length) X 1.20m (width) X 0.10m to 0.40m (thick) parted from a height of 2.20m and fell on him, inflicting serious bodily injuries, that proved fatal in about an hour.

Had dressing of the roof been carried out standing beneath secured roof as required under Systematic support rules and code of standing order for dressing framed & enforced by the manager under Regulation 108 of the Coal Mines Regulation, 1957; this accident could have been averted.

9. Date - 17/01/14
Time - 03.00

Mine - KUMARDHUBI
Owner - Eastern Coalfields Ltd.
Dist. - Dhanbad, State - Jharkhand
Person(s) Killed :

1. Ibrahim Ansari, Dresser, Male, 47 Years

While a dresser was dressing the roof and sides of a development face using bunton in a development district, suddenly a mass of roof measuring about 1.0m (Long) X 0.5m (Wide) X 0.3m (Thick), parted off and fell down from a height of 2.5m inflicting serious bodily injuries to him to which he succumbed within an hour and half while being shifted to Hospital.

Had

i) the freshly exposed roof in the gallery within 10m of face been kept supported by full column grouted roof bolts at maximum interval of 1.2m in the same row, with distance from pillar side not more than 0.6m as required under condition No. 2.1 and distance from the face not more than 0.6m as required under condition No. 2.2 of the 'Systematic Support Rules' for Brindavanpur Bottom seam approved under Regulation 108 of the Coal Mines Regulations, 1957 vide Directorate's letter No. 010251/R-II/SSR/289 dated 06.02.2007;

ii) adequate supervision been ensured by placing the mine under the general supervision of an Under Manager and of an Overman as required under the provision of Regulation 36(1)(b) of the Coal Mines Regulation, 1957 and thereby compliance of the provisions of Regulation 43(1)(e) and Regulation 42(1) of the Coal Mines Regulations, 1957 been ensured; and

iii) the freshly exposed roof of the gallery been examined and made secured according to Systematic Support Rules framed under Regulation 108 of the Coal Mines Regulations, 1957 before engaging dresser beneath the same as required under the provisions of Regulation 44(3)(a) read with Regulation 113 of the Coal Mines Regulations, 1957;

this accident could have been averted.

10. Date - 25/12/14
Time - 17.00

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

1. Shyamber, Dresser, Male, 55 Years

While a dresser was dressing beneath the roof supported with roof bolts, a piece of hard shaly sandstone measuring about 1.8m X 1.4-1.6m X 23.0cm parted from the roof and fell from a height of about 3.10m, inflicting serious bodily injuries to which he succumbed.

Had

- i) the roof been examined and the dressing operation been done under the direct supervision of the competent person as required under Regulation 113(3)(b) of the Coal Mines Regulations, 1957;
- ii) the freshly exposed roof been properly secured ensuring full column grouting of roof bolts with atleast two resin capsules instead of single resin capsule and its efficacy been checked by subjecting them to anchorage testing under competent supervision and thus not creating a situation of false sense of security to the dresser as per Condition No. 3(iii) & (iv) of the Systematic Support Rules framed under Regulation 108(1)(bb) & issued vide this Directorate letter no. BSP/4385 dated 29.09.2000 & Regulation 102(1) of the Coal Mines Regulations, 1957; and
- iii) the full column grouted roof bolts been regularly checked for its efficacy by subjecting them to anchorage testing under competent supervision and thus not creating a situation of false sense of security to the dresser as per Condition no. 3(iii) & 4(i) of the Systematic Support Rules framed under Regulation 108(1)(bb) of the Coal Mines Regulations, 1957 & issued vide this Directorate letter no. BSP/4385 dated 29.09.2000 for the 57 Level East development panel in Seam I Combined;

this accident could have been averted.

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

11. Date - 14/04/14
Time - 02. 45

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

1. Eerla Sarvaiah, Supportman, Male, 52 Years

While three persons were fitting a hose to a pneumatic roof bolter in a depillaring panel, a piece of coal measuring about 30 cms X 30 cms X 15 cms fell from the edge of the gallery from a height of about 1.2m on one of them causing serious injury to which he succumbed in hospital after 34 days.

Had

- i) the roof and side of the gallery been made secured by proper dressing, before engaging persons to work, as stipulated in regulations, 102(1), 44(3)(a); and
- ii) compliance of the provisions of Regulations 102(1), 43(1)(e) of the Coal Mines Regulations were made to secure the workplace for ensuring safety of persons;

this accident could have been averted.

12. Date - 17/10/14
Time - 18.45

Mine - RAY/BACHRA
Owner - Central Coalfields Ltd.
Dist. - Chatra, State - Jharkhand
Person(s) Killed :

1. Kaila Gajju, Conveyor Khalasi, Male, 44 Years

While the deceased was cleaning fallen coal at 41 Level 1 West Deep, suddenly coal piece measuring about 1.5" X 1" parted from the side hitting him on his back resulting in serious bodily injuries which proved fatal after seven days while he was getting treatment in the hospital.

Had the roof and sides at 41 Level 1 West Deep of Lower Bachra seam kept secure by dressing and supporting properly prior to engaging persons, the accident could have been averted contravening the provision of Regulation 44 (3) (a) of the Coal Mines Regulations, 1957.

**Code : 0118 Landslide
(2 Deaths)**

13. Date - 01/07/14
Time - 12.15

Mine - DHANPURI OPENCAST MINE
Owner - South Eastern Coalfields Ltd.
Dist. - Shahdol, State - Madhya Pradesh
Person(s) Killed :

1. Khanjanti Gupta, EPGH, Male, 48 Years
2. Ramashankar Vishwakarma, Cont. Worker, Male, 35 Years

While recovering a submerged dumper from the waterlogged opencast workings of a coal mine with the help of two dozers, standing over about 24m high backfilled overburden at the edge of the water, a portion of the backfilled overburden measuring about 54m (L) X 14m (W) slid into water, burying two persons under the muck pile, whose bodies could not be recovered.

Had the hazard and risk associated with the work of recovery of the submerged dumper by standing over the backfilled overburden in the waterlogged opencast workings been assessed and appropriate measures been taken to mitigate the same through a process of safety management system and the safe operating procedure been framed, thus not negligently omitting to do anything necessary for the safety of persons employed therein, as required under Regulation 190 of the coal mines regulations 1957 read with DGMS(TECH)(SOMA)Circular No.1 dated 04.01.2008, this accident could have been averted.

Code : 0300 Transportation Machinery (Non-Winding)

**Code : 0331 Aerial Ropeway
(1 Death)**

14. Date - 20/12/14
Time - 16.15

Mine - KASIPET
Owner - Singareni Collieries Company Ltd.
Dist. - Adilabad, State - Telangana
Person(s) Killed :

1. B. N. Gopi Krishna, Electrician, Male, 53 Years

While a person was travelling on a chair of a chair lift system in an underground coal mine at a gradient of 1 in 4.6; the chair ran uncontrolled and hit the person who was travelling ahead in

other chair. The person ahead of him received serious bodily injuries to which he succumbed after few hours.

Had the chair and other accessories of man riding chairlift system been maintained properly and the same was supervised by a competent person to ensure worn out and unconditioned chairs and their accessories not been used for men transportation as required under Reg. 88(5) of the CMR, 1957 read with section 18(1) & (4) the Mines Act, 1952 and permission letter No. HR-II/Kasipet/per-25/2011 Dt. 25/11/2011 and its condition no. 17.0, this accident could have been averted.

**Code : 0332 Rope Haulage
(1 Death)**

15. Date – 01/07/14 Mine – BASTACOLA
Time – 23. 00 Owner – Bharat Coking Coal Ltd.
 Dist. – Dhanbad, State – Jharkhand
Person(s) Killed :

1. Mahohar Kahar, Surface Trammer, Male, 58 Years

While a group comprising of four surface trammers, releasing a tub entangled to a surface tippler of an underground coal mine using wooden pole, one of them was hit by the wooden pole due to jerk caused by sudden release of the tub and fell down on his back, causing head injuries to which he succumbed after 12 days while being treated in a hospital.

Had personal protective equipment like helmet been used by the surface trammer while on work in the mine, and the surface trammer not been allowed to work in the mine without using helmet, as required under the provisions of Regulation 191A(1) read with Regulation 191 C of the Coal Mines Regulations, 1957, this accident could have been averted.

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

16. Date – 02/02/14 Mine – PADMAVATHIKHANI NO. 5 INCLINE
Time – 06. 40 Owner – Singareni Collieries Company Ltd.
 Dist. – Khammam, State – Andhra Pradesh
Person(s) Killed :

1. P. V. Rajasekhar, Fitter, Male, 49 Years

While a Mechanical Fitter was engaged in directing the coal loaded single cylinder articulated tipper for unloading at stock yard of a Coal Handling Plant; the dump body of the tipper got unbalanced during dumping and fell over him and succumbed to injuries instantly.

Had

i) the tipper driver been alerted, cautious and taken all precautions including ensuring dumping at level ground, checking and warning of persons around the vehicle before dumping thus negligently not omitting to ensure the safety of work persons employed therein as required under Reg. 38(1) (a) and Reg. 190 read with COP for framed and implemented for tipper driver;

ii) the tipper been maintained in good working condition and examined by the Engineer before allowing it to ply in the mine thus negligently not omitting to ensure the safety of work persons employed therein as required under Reg. 186(3) and (5) read with permission No. H1/Sattupalli/OCP-1/Perm/2005/1830 Hyderabad dated 27/09/2005; and

iii) the management and contractor ensured design features for tipper stability and ensured effective supervision for adequate inspection of equipment, installation, running and maintenance, in safe working order of tippers deployed at mine as required under Reg. 36(1)(a)(i) & (iii) and Reg. 182 of the coal mine regulation 1957 read with Clause no 11.3(iii) & 11.14(i) of permission No. H1/Sattupalli/OCP-1/Perm/2005/1830 Hyderabad dated 27/09/2005 and Clause No. 1.8.2(a), contractor's responsibility, of recommendation of 11th national conference on safety;

this accident could have been avert.

17. Date – 02/03/14
Time – 04.00

Mine – KAPURDI LIGNITE MINE
Owner – M/S Barmer Lignite Mining Co. Ltd.
Dist. – Barmer, State – Rajasthan
Person(s) Killed :

1. Laharu Sahu, Dumper Operator, Male, 39 Years

While a 48 tonne empty dumper was on way to loading point from overburden dump yard of an opencast lignite mine on a level haul road, the dumper hit the earthen divider on its' left side, crossed over to adjacent unused lane and toppled over its' driver side, inflicting serious head injuries to the driver to which he succumbed half an hour later whilst on way to a hospital.

Had the driver put on the seat belt provided on the driver's seat while driving the dumper as required under the provision of Regulation 191.C of Coal Mines Regulation 1957, this accident could have been averted.

18. Date – 08/06/14
Time – 03.00

Mine – KRISHNASHILA OCP
Owner – Northern Coalfields Ltd.
Dist. – Sonebhadra, State – Uttar Pradesh
Person(s) Killed :

1. Lokh Ram, Dumper Opt., Male, 47 Years

While a 85 Tonne capacity dumper loaded with coal was on the way to Coal dump yard, suddenly it collided nose to tail with a 100 Tonne capacity loaded dumper which was kept parked at unauthorised place on the haul road without deeping it's parking and indicator lights in on position, and operator of 85 tonne dumper received serious bodily injuries to which he succumbed after about 22 hours whilst on way to referral hospital, Varanasi after being treated in the hospitals of M/S. NCL Ltd.

Had

i) the 100 Tonne capacity dumper not been parked at unauthorized place on the haul road as stipulated in Clause 11 of the code of traffic rules 2013-2014 framed by the manager under Clause 6 of Directorate's letter no 29020/01/2011-12/VR(NZ)/Krishnashila/1743-44 dated 18.01.2012 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957 and,

ii) hazard-indicator lights and parking lights of the parked 100 tonne dumper been kept in on position to warn operators of other dumpers passing by, and thus not negligently omitted safety of the persons employed there in as required under Regulation 190 of CMR, 1957
this accident could have been averted.

19. Date - 09/04/14
Time - 15.30

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

1. Ramesh R Nikhade, Dumper Opr., Male, 54 Years

While a 50 Tonne dumper loaded with overburden material was going down an unconsolidated ramp/haul road which was under preparation in an opencast coal mine, it fell off into a sump to a depth of about 17m due to sliding of the ramp, submerging the operator cabin in the sludge/ water. The operator died due to drowning and the body was recovered after about 3 hours.

Had the dumper been not allowed to operate on the unconsolidated ramp which was under preparation, thus negligently omitting to ensure the safety of persons employed in the mine in contravention of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

20. Date - 11/07/14
Time - 16.45

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

1. Maroti Bodhe, Contr. Supervisor, Male, 32 Years

While a contractor supervisor was walking near a weight bridge of the siding of an opencast mine, he was hit and run over by a reversing loaded tipper, which proved fatal instantaneously.

Had

i) the tipper truck not been reversed carelessly without having a clear view of the area behind as required under Clause No. 14.3.2 (v) of Annexure "A" to permission granted under Regulations 98(1)&(3), 100 (1) and 126(2), 161 & 168 (5) of the Coal Mines Regulations, 1957 vide letter no. NR2/.../1342 dated 17-09-2009;

ii) the tipper truck been provided with efficient audible warning devices while reversing as required under Clause No. 14.1(ii) and 14.3.2(v) of Annexure "A" to permission granted under Regulations 98(1)&(3), 100(1) and 126(2), 161 & 168(5) of the Coal Mines Regulations, 1957 vide letter no. NR2/.../1342 dated 17-09-2009; and

iii) adequate number of supervisors were appointed for effective control over the movement of tippers in the siding as required under Reg. 36(1)(a)(ii) of the Coal Mines Regulations, 1957;

this accident could have been averted.

21. Date - 11/10/14
Time - 07.02

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

1. Raju Gupta, Tipper Driver, Male, 26 Years

While a 18.7m cube carrying capacity contractor's tipper was dumping overburden in the dump yard, the central bolt of its rear left side's hollow springs of suspension arrangement sheared causing dynamic imbalance, as a result of which the tipper started toppling to its right side. The tipper operator jumped out of the cabin in panic to get entrapped under the tipper and died of crush injuries almost instantaneously.

Had the tipper not been deployed unless it was ensured through a daily inspection and thorough weekly examination that it was in mechanically sound condition and safe working order as was required by Clause 8.1(b), 8.2(a), 8.4(a) & 8.5 of the Annexure to Directorate's letter No. 29020/01/2011-12/VR(NZ)/Krishnashila/1742 dated 18.01.2012 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DG's circular Nos. Tech 1 1989 and Tech 09 of 2008, this accident would have been averted.

22. Date - 11/11/14
Time - 05.30

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

1. S. A. Okil, Dumper Operator, Male, 57 Years

While a 100 tonne capacity dumper parked in Running Maintenance Workshop was started and driven in the reverse direction, another dumper operator was run over by its front right tyre, and he died almost instantly on the spot.

Had it been ensured before operating the dumper that none was in its close proximity as to be endangered by the moving vehicle, and the dumper not been reversed without ensuring a clear view of the area behind the dumper, thus not negligently omitting to ensure life and safety of persons employed in the mine, as required by Clause 22(3)(g) of Directorate's letter No. 3703 dated 22.08.1977 granting exemption from the provisions of Regulations 98(1) & (3) of the Coal Mines Regulations, 1957, read with Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

23. Date - 13/10/14
Time - 05.40

Mine - GONDEGAON O.C
Owner - Western Coalfields Ltd.
Dist. - Nagpur, State - Maharashtra
Person(s) Killed :

1. Brij Lal Patel, Mechanic, Male, 29 Years

While a Mechanic and Driver were repairing fault in suspension system of a Tipper (Truck) in Coal stock yard of an Open cast mechanised Coal Mine, they lost coordination among them, resulting in untoward downward movement of dump body of the Tipper inflicting serious bodily injury to the mechanic to which he succumbed almost instantaneously. The driver escaped unhurt

Had

i) the Mechanic followed safe and proper working procedure, taken adequate precaution and not dangerously positioned himself during the repair activity and not let the Driver to lower the dump

body of the Tipper in unsafe manner, thus not negligently omitting own safety as required under Regulation 190 of the CMR, 1957;

ii) the Driver (Co-worker) followed safe and proper working procedure and not allowed the mechanic to work under raised dump body of the truck and not lowered the dump body in unsafe manner during the repair activity thus not negligently omitting safety of others as required under Regulation 190 of the CMR, 1957;

iii) the Mechanic was supplied / issued with helmet (hard hat) and worn the same during the repair activity as required under Regulation 191 A of the CMR, 1957 read with clause 13.0 of Annexure - A to Permission letter (Order) under Regulation 98(1) & (3) and 105(1) of the Coal Mines Regulations, 1957 vide L/No. NR/II(a)/9775 dated 31.12.1996;

iv) Engineer been appointed / authorised to hold general Charge of contractual machinery of M/s Suryodaya Coal Carriers (P) Ltd including Tipper bearing Regn NO. MH 40Y 0634 and to be responsible for installation, maintenance and safe working of such machinery (Tippers), as required and duly authorised competent persons including officials and technicians, as is sufficient to secure through supervision of maintenance of the contractual machinery and to secure maintenance, in safe working order, of the contractual machinery (the Tipper) been appointed as required under Regulations 33(1), 36(1)(a)(iii), 36(2) and 36(4) of the CMR 1957; and

v) the Tipper been adequately inspected for its roadworthiness and its proper and safe working condition was ensured before allowing it for operation as required under Regulations 38(1) of the CMR 1957, read with Clauses 6.1(a) and 6.1(n) of Annexure - A to Permission letter (Order) under Regulation 98(1) & (3) and 105(1) of the Coal Mines Regulations, 1957 vide L/No. NR/II(a)/9775 dated 31.12.1996;

the accident could have been averted.

24. Date – 14/06/14

Mine – DHANSAR

Time – 07.10

Owner – Bharat Coking Coal Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Madan Lal Passi, Dumper Optr., Male, 35 Years

While an empty dumper was being driven along a haul road leading to a overburden face in an opencast working of a coal mine, the operator lost control over the dumper and it fell into the lower bench from a height of about 21.0m, inflicting serious bodily injury to the operator to which he succumbed after about an hour in a hospital.

Had

i) a strong parapet wall or berm been provided along the haul road to prevent dumper going off the haul road as required by condition NO. 6.5 of permission under Regulations 100(1) and 170(B) (a) and relaxation under Regulations 98(1) & (3), Of the Coal Mines Regulations 1957 granted vide letter No. R-3/010383/P-02/2014/478 dated 15/04/2014;

ii) the gradient of the haul road been maintained not steeper than 1 in 16 as required by condition no. 6.4 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under Regulations 98(1) &(3) of the Coal Mines Regulations 1957 granted vide letter No. R-3/010383/p-02/2014/478 dated 15/04/2014; and

iii) seat belt been used by the operator while driving the dumper as required by condition No. 14.4 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under Regulations 98(1) & (3), of the Coal Mines Regulations 1957 granted vide letter no. R-3/010383/P-02/2014/478 dated 15/04/2014 and Regulation 190 Of the Coal Mines Regulations 1957 read with Regulation 38(1) (a) of the Coal Mines Regulations, 1957;

this accident could have been averted.

25. Date - 15/02/14

Mine - KHADIA PROJECT

Time - 17.30

Owner - Northern Coalfields Ltd.

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

1. Mahendra Saket, Tipper Operator, Male, 26 Years

While a loaded 23 tonne capacity consumer's tipper-trailer was on way from mine's stock-yard to weigh-bridge on a down-gradient surface haul-road, its engine stopped due to insufficient diesel in the fuel-tank, thus locking its hydraulic steering. The trailer operator lost control over the vehicle in-spite of application of secondary brake and jumped out of the trailer's cabin to be run over by its rear wheels, succumbing to his injuries almost instantly at the spot.

Had the tipper-trailer operator checked and ensured sufficient diesel in the fuel tank, thus not negligently omitting his own safety, as required by the provisions of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

26. Date - 17/07/14

Mine - MAKARDHOKRA MINE NO. II

Time - 12.50

Owner - Western Coalfields Ltd.

Dist. - Nagpur, State - Maharashtra

Person(s) Killed :

1. Pramod Shanka Nagrare, E.P.Fitter, Male, 49 Years

2. Ashok S. Bhurewar, Dy. Supervisor, Male, 50 Years

While a light motor vehicle carrying a service crew of four members was going down on the haul road of an opencast mine, one dumper coming from opposite direction hit and dragged it for distance of about 40m inflicting fatal injuries to two crew members on the spot while the driver and the other two members escaped with minor injuries.

Had

i) the haul road width was made three times the width of the largest vehicle plying on it where one way traffic was not practicable as required under condition 3.2 of ANNEXURE "A" to permission letter no. NR/019654/II(f)/2323 dated 13-08-1998 granted under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, and

ii) the dumper been driven defensibly thereby not negligently endangering safety of persons employed in the mine as required under Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

27. Date - 19/11/14
Time - 06.30

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

1. Kishun Singh, Dozer Operator, Male, 59 Years

While an empty contractual tipping truck was entering into an opencast Coal Mine, it swerved abruptly to left side to avoid hitting two motor cyclists coming in opposite direction side by side, and scrapped past a standing jeep and hit a dozer operator climbing into the jeep and ran over him to death.

Had

i) the traffic rules with regard to the movement of flow of dumpers and motors cycles at zero point had been framed and implemented and thus safety aspect of the mine was ensured by the manager as required under condition no. 15.7(c) of Permission issued vide letter No. No.KR/1070 dated 16/08/2011, read with the provisions of Reg. 41(1) of the Coal Mines Regulations; and

ii) the dangerous unsafe practice of movement of vehicles, both dumpers and motorcycles plying on the same road and parking of jeep by the side of the road at zero point had been brought to the notice of the manager by the safety officer and adequate measures like putting up speed breaker and posting up of a human guards at the zero point were taken as required under provisions of Reg. 41A(1) (b) (iii);

this accident could have been averted.

28. Date - 26/10/14
Time - 12.25

Mine - ANANTA O/C
Owner - Mahanadi Coalfields Ltd.
Dist. - Angul, State - Orissa
Person(s) Killed :

1. Subrat Sahoo, Contractor Worker, Male, 19 Years

While a tipper waiting to be taken inside a parking place was suddenly moved after a short stoppage at the entrance, a contractor worker who was present underneath the tipper to tighten bolts was run over by the rear-non-operator side tyres, causing severe head injuries to which he succumbed instantaneously.

Had

i) it been thoroughly checked and ensured that no person whose safety is likely to be endangered due to the tipper movement, is present in the vicinity, thus not negligently omitting to do anything for the safety of persons in the vicinity, as required by the provisions Regulations 38(1)(a), 98(1), 98(3) read with Regulation 190 of the Coal Mines Regulations, 1957 read with; and Clause 17.1 of the exemption accorded vide DGMS letter No. 010698/BDH/C0-8/0-98(1) & (3)/2013/835 dated 18/4/14; and

ii) the work of attending to tighten the bolts of the tipper been allocated at an appropriate place under supervision of a competent person, as required by the provisions Regulation 37(2), 38(1)(a), 98(1), 98(3) read with Regulation 190 of the Coal Mines Regulations, 1957 and Clause 8.5 of the exemption accorded vide DGMS letter No. 010698/BDH/C0-8/P-98(1)&(3)/2013/835 dated 18/4/14;

this accident could have been averted.

29. Date - 27/05/14
Time - 10.45

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

1. Raju Namdeorao Korekar, E.P.Fitter, Male, 51 Years

While a 35 tonne dumper was being reversed by a mechanical fitter near air filling point of the work shop in an opencast coal mine, it ran over an E.P.Fitter working as air filling fitter inflicting fatal injuries to him.

Had

i) the dumper been operated by competent person authorized in writing as required under Clause No. 14.2.1 of Annexure-A to the permission letter No. NR-II/010608/Permission 98(1)&(3)/2013/584 dated 22-04-2013 granted under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957;

ii) the dumper been reversed after ensuring a clear view of the area behind the vehicle as required under Clause No. 14.3.2 (v) of Annexure-A of the permission letter No. NR-II/010608/permission 98(1)&(3)/2013/584 dated 22-04-2013 granted under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957; and

iii) rear view mirror/ close circuit television camera been provided in the dumper as required under Clause No. 5.6.1 & 5.6.2 of Annexure-A to the permission letter No. NR-II/010608/Permission 98(1)&(3)/2013/584 dated 22-04-2013 granted under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957;

this accident could have been averted.

30. Date - 28/02/14
Time - 12.15

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

1. Brihaspati Vishwakarma, Driver, Male, 22 Years

While a breakdown 120 tonne loaded dumper was being restarted on the mine's haul road by a maintenance gang of six persons, the dumper was involuntarily moved in reverse direction, hitting a contractual jeep driver standing behind it. The jeep was subsequently run over at a distance of nearly 160m away from the site of accident and dumper was parked at a distance of another 52m away from the place where jeep had been run over as to mislead the enquiry. The jeep driver was declared brought dead at the hospital.

Had it been ensured before attempting to re-start the dumper's engine 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 dumper, thus not negligently omitting the life and safety of persons employed thereat, as called for by the provisions of Regulation 190 of the Coal Mines Regulation, 1957, this accident could have been averted.

31. Date - 29/12/14
Time - 01.30

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

1. Garyandala Yadagiri, EP. Operator, Male, 55 Years

While a Dumper Operator drove his dumper at uncontrolled speed across parking yard hit a 25 KVA lighting transformer with its impact he was thrown out by breaking the windscreen and fell from a height of about 18 meters causing instantaneous death.

Had

i) he been wearing the safety belt provided in the operator's cabin as required under Regulation 38(1)(a) of the Coal Mines Regulations 1957 read with Safe Operating procedures Clause No. 5 letter No. MNG/PKOC/232 Dated 08-07-2013; and

ii) he not willfully driven the dumper at uncontrolled speed so as to endanger his own life and person working in the premises, as required under Regulation 190 of the Coal Mines Regulations, 1957;

this accident could have been averted.

**Code : 0339 Wheeled Trackless(Truck,Tanker,etc.)
(1 Death)**

32. Date - 03/02/14
Time - 07.00

Mine - GEVRA PROJECT
Owner - South Eastern Coalfields Ltd.
Dist. - Korba, State - Chhattisgarh
Person(s) Killed :

1. Ram Kumar Dewangan, E.P.Fitter, Male, 47 Years

While a loaded Diesel Tanker with two EP Fitters and one Security Guard in the cabin was being driven towards working of an opencast mechanised mine for refueling diesel operated equipment, driver lost control on the down gradient road, resulting in over speeding of the tanker which subsequently fell down to a depth of about 5 meter from the edge of the curved road inflicting serious bodily injury to one EP Fitter to which he succumbed almost instantaneously. Security Guard received serious bodily injuries whereas the driver and another EP Fitter escaped with minor injuries.

Had the Diesel Tanker been driven carefully and was kept under control while negotiating down gradient and a curve thus not negligently omitting his own safety and safety of others as required under Regulation 190 read with Clause 21.8 of Annexure-I to Permission granted under Regulation 98(1) & (3) of the Coal Mines Regulations 1957 vide letter No. 2420 Bilaspur dated 25.08.2011, this accident could have been averted.

Code : 0400 Machinery Other than Transp. Machinery

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

33. Date – 05/02/14

Time – 19.00

Mine – GODAVARI KHANI 1&3 INCLINE

Owner – Singareni Collieries Company Ltd.

Dist. – Karimnagar, State – Andhra Pradesh

Person(s) Killed :

1. Boini Ramesh, Fitter, Male, 40 Years

While a Mechanical Fitter was engaged in arresting oil leakages from the spring loaded cartridge valve of lift cylinder of a side discharge loader (SDL) by working underneath of bucket boom without locking it, the load cartridge valve flew off causing sudden lowering of bucket and inflicting serious bodily injuries which proved fatal within 4 hrs of incident.

Had

i) the bucket boom been kept secure in lift position by locking arrangement, so provided by the original equipment manufacturer (OEM), before commencing repair work, thus not negligently omitted to ensure safety of persons employed there, in accordance with Reg. 55(3) & Reg. 190 read with Clause no. 24 of code of practice framed; and

ii) the unsafe method of working underneath of the bucket in lift position, without locking it, not been allowed as required under Reg. 44(1)(b) read with Reg. 190 of the Coal Mines Regulation 1957;

this accident could have been averted.

34. Date – 07/08/14

Time – 23.15

Mine – PIPARWARA PROJECT

Owner – Central Coalfields Ltd.

Dist. – Chatra, State – Jharkhand

Person(s) Killed :

1. Mahesh Chauhan, Payloader Oprtr., Male, 25 Years

While an operator was moving a tyre mounted Payloader on the downhill ramp, suddenly after hitting the highwall side, the Payloader got tilted and toppled down under which the operator was trapped inflicting serious bodily injuries to which, he succumbed instantly.

Had the person not gone in the other part of the mine, other than the are of his place of work where he was given the work of loading of coal into tippers from coal stock (outside the mine boundary) contravening the provision of Regulation 38(3)(b) & Reg. 39(c) of the Coal Mines Regulation, 1957, this accident could have been averted.

35. Date – 21/10/14

Time – 11.00

Mine – MAHESHPUR

Owner – Bharat Coking Coal Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Mangra Bhuria, Gen. Mazdoor, Male, 34 Years

While a side discharge loading machine (SDL) was moved in forward direction to negotiate the obstruction faced during backward movement in a level gallery of a depillaring district in underground coal mine, its bucket hit a General Mazdoor, engaged in the transportation of the

wooden sleepers along the same level gallery, inflicting serious injuries to him to which he succumbed almost instantaneously.

Had

i) all the persons been removed from the vicinity of SDL machine before operating it thus not negligently omitted to ensure the safety of the persons employed in the district in contravention of Regulation 190 of Coal Mines Regulation, 1957; and

ii) the victim himself been careful while working near the SDL machine which was in operation thus not negligently omitted to ensure his own safety in contravention of Regulation 190 of Coal Mines Regulations, 1957;

this accident could have been averted.

36. Date - 21/11/14

Mine - BASANTIMATA

Time - 22.45

Owner - Bharat Coking Coal Ltd.

Dist. - Dhanbad, State - Jharkhand

Person(s) Killed :

1. D. Nonia, Hywa Operator, Male, 29 Years

While a driver of Hywa dumper, that was under breakdown, was sitting at the edge of a transportation road in an opencast coal mine, waiting for the maintenance gang to arrive to repair, he was hit by an over speeding payloader, causing serious bodily injuries to which he succumbed after 5 hrs.

Had,

(i) the Payloader not been driven too fast but in controlled speed and defensively as required under condition No. 11.3.7 of Annexure - A enclosed with the permission letter No. 2173, dated 01.12.2009 granted under Reg. 98(1), 98(3), 100(1), 168(5), 170(1A) and 170(1B) of the Coal Mines Regulations, 1957;

(ii) adequate measures been taken in line controlling speed, provisions of lighting arrangement of transportation road, displaying speed limit boards, boards displaying the salient features of Traffic rules, to promote safe practice generally and to lead active support to all measures intended for furthering the cause of safety in the mine as required under Regulation 41A(1)(g) of the Coal Mines Regulations, 1957;

(iii) duties in the part of the mine assigned by superior been carried out to ensure that all work was carried out in accordance with the provisions of the Act and of the Regulations, Orders made thereunder as required under Regulation 42(1) of the Coal Mines Regulations, 1957;

(iv) adequate control measures like speed control, providing lighting arrangement on transportation road, displaying speed limit boards, boards displaying the salient after assessing hazards identification and risk assessment framing with Safe Operating Procedures for various activities including safe movement of contractual machinery in the mine as required under Regulation 41(9) of the Coal Mines Regulations, 1957 read with DGMS Circular No.13 of 2002 and recommendations of Xth and XIth safety Conferences; and

(v) due diligence been used in securing compliance with the provisions of the Mines Act, Regulations, Rules, bye laws and orders made thereunder and been taken reasonable means to see that all operations carried on in connection with the mine are conducted in accordance with the provisions of the Mines Act, 1952 and of the Regulations, rules, bye-laws and orders made thereunder, as required under Section 18(4) and 18(5) of the Mines Act, 1952;

this accident could have been averted.

**Code : 0446 Shovel, Draglines, Frontend Loader, etc.
(3 Deaths)**

37. Date – 15/01/14 Mine – DURGAPUR OC
Time – 12. 30 Owner – Western Coalfields Ltd.
 Dist. – Chandrapur, State – Maharashtra
Person(s) Killed :
 1. S. Venkatesh, Driller, Male, 20 Years

While a driller was standing in between a dozer and a stuck-up truck mounted drill machine in an overburden bench of an opencast coal mine for making arrangement to drag the drill machine by the dozer, he was hit by the dozer inflicting fatal injuries.

Had

i) the dozer been not negligently driven and reversed without obtaining a clear view of the area behind the dozer thereby not endangering life of the person, as required under Regulation 190 of the Coal Mines Regulations, 1957;

ii) proper type of crawler mounted blast hole drill machine designed for mining purposes been used in the mine as required under Clause No. 12.1 of Annexure-A of the permission letter No. NR-II/010604/perm/98(1)&(3)/2012/1045, dated 05-07-2012 granted under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957; and

iii) the overburden bench in which work was carried on, been placed under the charge of sirdar or other competent person as required under Regulation 113(1) of the Coal Mines Regulations, 1957;

this accident could have been averted.

38. Date – 21/05/14 Mine – CHITRA-B
Time – 10. 30 Owner – Eastern Coalfields Ltd.
 Dist. – Deoghar, State – Jharkhand
Person(s) Killed :
 1. Bharat Prasad Singh, EP Fitter, Male, 54 Years

While a top slider from the saddle block in an electric shovel was being removed, a fitter entered into the falling zone of already loose top slider, and was hit by the same causing serious bodily injury which proved fatal on the way to hospital.

Had

i) the deceased not entered into the falling zone without intimation to the supervisor and thereby violating safety instructions given by engineer and foreman, thus not negligently endangered his life, by contravening the provisions under Regulation 38(1)(a) and 190 of the Coal Mines Regulations, 1957; and

ii) the supervisor properly demarcated the falling zone of top slider, to prevent the entry of persons into falling zone, thus not negligently omitted to ensure safety of persons employed therein, by contravening the provisions under Regulation 190 of the Coal Mines Regulations, 1957;

this accident could have been averted.

39. Date – 23/09/14

Mine – MURAI DH

Time – 10. 30

Owner – Bharat Coking Coal Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Dilip Kumar, E.P.Fitter, Male, 45 Years

While an EP Fitter was removing the wedge and c-clamp of the dipper(bucket) of an Electrical Shovel machine by hammering, a small metal chip broken from the wedge and penetrated to his upper abdomen, resulting into serious bodily injuries which proved fatal after 08.00 Hrs while being treated in hospital.

Had the dipper (bucket) of the shovel been positioned correctly and a spike maul (ground to wedge size) been used while removing the wedge as recommended by OEM thus not negligently omitting to do anything necessary for the safety of the person employed therein in contravention of provisions of Regulation 190 of the Coal Mines Regulations 1957, this accident could have been averted.

Code : 0448

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

40. Date – 08/02/14

Mine – GOURI EXPANSION AMALGAMATED MINE

Time – 05. 05

Owner – Western Coalfields Ltd.

Dist. – Chandrapur, State – Maharashtra

Person(s) Killed :

1. Rajendra Jairam Randive, Gen. Mazdo, Male, 44 Years

While a person was lying apparently in sleep, at about 150m away from the active working face of an overburden bench in an opencast coal mine, he was run over by a reversing dozer inflicting serious bodily injury to which he succumbed after about five hours.

Had

i) the dozer been reversed after ensuring that no person was present behind it, thus not negligently omitting to ensure the safety of persons employed in the mine in contravention of Regulation 190 of the Coal Mines Regulations, 1957 ;

ii) it been ensured that no person slept whilst on duty, thus not negligently omitting to ensure the safety of persons employed in the mine in contravention of Regulation 190 of the Coal Mines Regulations, 1957 ; and

iii) the person not slept whilst on duty, thus not negligently endangering his life in contravention of Regulation 190 of the Coal Mines Regulations, 1957 ;

this accident could have been averted.

41. Date – 16/08/14

Mine – NAVIN KUNADA OPENCAST MINE (AMALGAMATED)

Time – 09. 40

Owner – Western Coalfields Ltd.

Dist. – Chandrapur, State – Maharashtra

Person(s) Killed :

1. Rudal Vishwanath Yadav, Grader Oper, Male, 54 Years

While a grader was marched in reverse direction in downward gradient of haul road of an opencast mechanised Coal Mine, hydraulic steering system of the grader failed and grader operator lost control, rolled further rearward, crossed the berm of the haul road and fell into a 100 feet deep pit resulting serious bodily injury to the operator to which he succumbed almost instantaneously.

Had

i) the grader was maintained in proper and safe working condition as required under regulation 50(a), 50(d), 182, 186(5) of the CMR 1957, read with Clauses 7.1, 7.1.1, 7.1.2, 8.1.1, 8.1.2, 8.1.3, 8.2.1 and 16.4 of Annexure to permission letter (Order) under Regulation 98(1) & (3) and 126(2) of the Coal Mines Regulations 1957 vide L/No. NR-II/ 549 dated 02.04.2014,

ii) registers/ records of the grader not been falsified, as required under section 64(d) of the Mines Act 1952, and

iii) not the grader, which was unreliable, outlived its rated life, and was not maintained in proper and safe working condition as required, been willfully and without reasonable cause allowed into continuous use thus endangering others as required under Regulation 190 of the CMR 1957 read with Section 72(B) of the Mines Act 1952

this accident could have been averted.

42. Date – 16/10/14

Mine – KAPURDI LIGNITE MINE

Time – 11. 30

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

Dist. – Barmer, State – Rajasthan

Person(s) Killed :

1. Mohammad Reyazuddin, Dozer Operator, Male, 30 Years

While a dozer was dozing overburden in an ob dump yard of an opencast lignite mine, it overshot the edge and tilted with a jerk throwing the operator off his seat, who fell in front of the moving dozer, got crushed under its left crawler and died almost immediately on the spot.

Had

(i) A seat belt on the operator's seat been kept in working order and a cabin been provided on the dozer to render adequate safety to the operator; and

(ii) It been ensured that every mine official and competent person carried out his duties to ensure that all work in the mine was carried on in accordance with the provisions of the Mines Act, and of the regulations, rules, bye-laws and orders made there-under;

as required by the provisions of condition no 14.1(e) of the permission granted under Regulation 98(1) and (3) of the Coal Mines Regulations, 1957, vide this Directorate's letter No. AJ/Kapurdi/Perm-98(1)&(3)/2079 dated 23.04.2010, read with Section 18(1) and (4) of Mines Act, 1952 and Regulations 41(3) (a)&(4), 42(1), 50(d) and 43(1) (e) of the Coal Mines Regulations, 1957, this accident could have been averted.

43. Date - 17/02/14
Time - 19.45

Mine - CHOTIA OPEN CAST
Owner - M/S Prakash Industries Ltd.
Dist. - Korba, State - Chhattisgarh
Person(s) Killed :

1. Shuk Lal Yadav, Dozer Mechanic, Male, 21 Years

While two mechanics and a helper were repairing Fuel system of a Dozer deployed in waste dump of an Open Cast Mechanised Coal Mine, control levers of the Dozer got inadvertently operated by the helper during starting of the engine, resulting in forward movement of Dozer inflicting serious bodily injury to one mechanic to which he succumbed almost instantaneously. Another mechanic and the helper escaped unhurt.

Had,

- i) the Dozer Mechanic taken adequate precaution and not dangerously positioned himself while starting Dozer during repair activities and not let helper to start the engine in unsafe manner, thus not negligently omitting own safety and safety of others as required under Regulation 190 of the CMR 1957;
- ii) the Dozer Mechanic (Co-Worker) ensured that adequate precaution was taken while starting Dozer during repair activities and not let helper to start the engine in unsafe manner, thus not negligently omitting safety of others as required under Regulation 190 of the CMR 1957;
- iii) the helper not started the Dozer in unsafe manner, thus not negligently omitting own safety and safety of others as required under Regulation 190 of the CMR 1957;
- iv) the supervisor ensured that persons undertaking maintenance/repair of Dozer, worked as per Code and in safe working condition thus not negligently omitting safety of others as required under Regulation 190 of the CMR 1957 and Clause 8.5 of Permission letter No. BSP/2096 dated 07.05.2013; and
- v) the Colliery Engineer ensured that provisions of the Mines Act 1952 and of regulations and orders made thereunder elating to repair/maintenance of Dozer was properly carried out by subordinate officials/work persons appointed for the purpose and ensured that repair activity of Dozer was carried on in a safe manner thus not negligently omitting safety of others as required under Regulations 50(d), 190 of the CMR 1957 and Clause 9.2(iv) of Permission letter No. BSP/2096 dated 07.05.2013;

the accident could have been averted.

44. Date - 18/05/14
Time - 18.20

Mine - NEYVELI NO 1
Owner - Neyveli Lignite Corporation Ltd.
Dist. - Cuddalore, State - Tamil Nadu
Person(s) Killed :

1. P.Sivakumar, Dozer Operator, Male, 47 Years

While a person was dozing overburden soil with a dozer, the buckets of the Bucket Wheel Excavator deployed on the same bench hit the canopy of the dozer, inflicting multiple injuries to the operator to which he succumbed instantly.

Had

i) the operator not operated the Bucket Wheel Excavator very close to the dozer, responded to the signal and stopped the operation of the Bucket Wheel Excavator thus negligently not endangering the life of person as required under regulation 190 of the Coal Mines Regulation 1957, and

ii) the dozer and Bucket Wheel Excavator been so spaced that there is no danger of accident from one machine to the other as required in Clause 17.10 read with Clause 20.2(f) of the enclosure to the permission letter no 5982 dated 18-11-1996 granted under regulation 98(1) of the Coal Mines Regulation 1957,

this accident could have been averted.

45. Date - 26/03/14
Time - 15.35

Mine - WEST BOKARO O/C (QUARRY A & B)
Owner - Tata Iron & Steel Co. Ltd.
Dist. - Ramgarh, State - Jharkhand
Person(s) Killed :

1. Dinesh Mahto, Contractor Labour, Male, 27 Years

While a crane was shifting a pump suddenly the crane got toppled and the boom of the crane hit a person, who was standing at about 6m away from the crane, resulting in head injuries which proved fatal on the way to hospital.

Had the crane been operated properly and the shifting of pump been supervised as required under Regulations 2(7) 43(1)(d), 50(d) of the CMR, 1957 and Section 17(2) of the Mines Act, 1952, this accident could have been averted.

46. Date - 28/08/14
Time - 17.15

Mine - BLOCK-IV/KOORIDIH
Owner - Bharat Coking Coal Ltd.
Dist. - Dhanbad, State - Jharkhand
Person(s) Killed :

1. Baban Kr. Choudhary, Foreman, Male, 56 Years

While the track pad (chain) of a EKG-Shovel was being lifted by an ACE-mobile crane, upper most part of the crane boom touched the body of the shovel and the crane got toppled side ways inflicting serious bodily injury to a person who was supervising and giving signal by standing beside the track pad, which turned fatal after about two hours.

Had the correct configuration of the crane boom being selected before lifting the track pad (chain) of the shovel and indication of sideway tilting of the crane was not being ignored, thus not

negligently endangering the life of the person of the mine as required under Regulation 190 of the CMR 1957 and Regulation 182 read with Clause 11.2 of DG's Circular No. 10 of 2002, this accident could have been averted.

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

47. Date – 18/04/14
Time – 05.30

Mine – BHURKUNDA MINE-B
Owner – Central Coalfields Ltd.
Dist. – Ramgarh, State – Jharkhand
Person(s) Killed :

1. Raj Kr. Paswan, Fan Attendant, Male, 59 Years

While a fan attendant approached near the drive pulley of the motor of a Main Mechanical Ventilator, he got trapped in between the running "V" belt and drive pulley inflicting serious bodily injuries which proved fatal instantaneously.

Had the fan attendant not crossed the fencing to reach near the rotating parts of the Main Mechanical ventilator thereby not contravening the provisions of the Regulation 38(3)(a) of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0500 Explosives

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

48. Date – 29/01/14
Time – 09.35

Mine – BARTARAI
Owner – South Eastern Coalfields Ltd.
Dist. – Anuppur, State – Madhya Pradesh
Person(s) Killed :

1. Ramlal, Survey Mazdoor, Male, 39 Years

While the shots were fired in a dip gallery with an intent to fully open up a partially made connection between a dip gallery and a drift in a below ground coal mine, two persons were hit by projectiles generated due to the shot firing, inflicting seriously bodily injuries to one that proved fatal in about an hour & half, while the other escaped with reportable injury.

Had it been seen that all the persons in the vicinity had taken proper shelter and suitable steps been taken to prevent any person from approaching the shots, before firing as required by Regulation 170(1) read with Regulation 45(a) of the Coal Mines Regulations, 1957, this accident could have been averted.

**Code : 0553 Secondary Blasting Projectiles
(1 Death)**

49. Date – 22/05/14 Mine – JAMUNIA OCP
Time – 14. 20 Owner – Bharat Coking Coal Ltd.
 Dist. – Dhanbad, State – Jharkhand
Person(s) Killed :

1. Upendra(Jamuna)Rajak, Blasting Help, Male, 30 Years

While a workman was engaged in charging and stemming a shot hole on a large size boulder for secondary blasting on the quarry floor of an opencast coal mine, the boulder toppled causing him serious internal injuries to which he succumbed after about one hour.

Had

- i) the working place been kept under the supervision of a Mining Sirdar or other competent person who could have ensured the safety at work place as required under provisions of Reg. 113 of the Coal Mines Regulation, 1957; and
- ii) the charging and stemming of boulders been done under the personal supervision of a blasting overman (shot-firer) who should have not left the place of work without having been relieved by a duly competent person as required under Reg. 166(1) and Reg. 39 of Coal Mines Regulation, 1957 read with condition No. 23.3 of the permission under Reg. 98(1) & 98(3) of the Coal Mines Regulation 1957 granted vide letter No. R-3/1338 dated 06/09/2013;

this accident could have been averted.

Code : 0600 Electricity

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

50. Date – 11/04/14 Mine – WEST CHIRMIKI
Time – 10. 25 Owner – South Eastern Coalfields Ltd.
 Dist. – Korea, State – Chhattisgarh
Person(s) Killed :

1. Chandrika, Elect. Helper, Male, 55 Years

While an electric helper was repairing the electric light fitted with the 5.4m high electric pole made of rail, sitting himself on a bracket at a height of about 4.2m from the ground near the magazine of an opencast coal mine, his thumb and index finger of right hand came in contact with jumping point of 230V live line due to which he was electrocuted and fell down on the bushes grown on the ground inflicting serious injuries to him which proved fatal after few hours.

Had adequate precautions by switching 'OFF' the supply line been taken, before handling of electric supply line to prevent being coming in contact with live line accidentally or inadvertently when persons are working thereon, as required under provision of Regulation 19(1) of CEA (MRS & ES)

Regulations, 2010 and the recommendations on safety procedures and practices in electrical work, been followed as mentioned in Indian Standards IS: 5216(Part 1) – 1982, this accident could have been averted.

**Code : 0664 Energized Machines
(1 Death)**

51. Date – 28/05/14
Time – 11. 45

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

1. Ferai, Driller, Male, 52 Years

While a driller was drilling blast holes in a coal face along with a contractor co-worker with a hand held coal drill machine for preparation of coal in a below ground coal mine, he was electrocuted and became unconscious which proved fatal within two hours, whereas his co-worker received minor electric shock and escaped unhurt.

Had the flexible cable been connected to the hand held coal drill machine by a properly constructed connector as required under sub regulation 3 of Regulation 107 of Central Electricity Authority (MRS & ES) Regulations, 2010, this accident could have been averted.

Code : 0700 Dust, Gas & Other Combustible Material

**Code : 0779 Other Accidents due to Dust/Gas/Fire
(1 Death)**

52. Date – 21/01/14
Time – 11. 15

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

1. Nemai Ch. Sutradhar, Mining Sirdar, Male, 59 Years

While a sirdar along with manager, overman, and surveyor was walking down a drift for ascertaining cause of obstruction in the passage of air in the drift, he fell down and got asphyxiated due to the presence of CO₂ inflicting thereby fatal injuries to him almost instantaneously. All others, however, managed to escape unaffected.

Had

i) the adequate ventilation been ensured to dilute gases that were noxious so as to render them harmless, and to provide air containing a sufficiency of oxygen in the drift as required under Reg. 130(1)&(2) (ii) of the Coal Mines Regulation 1957, and

ii) the drift which was not adequately ventilated, been fenced off so as to prevent persons entering the same as required under Reg. 140(2) of the Coal Mines Regulations 1957.

this accident could have been averted.

53. Date – 06/12/14
Time – 12. 45

Mine – RAVINDRA KHANI NO. 6
Owner – Singareni Collieries Company Ltd.
Dist. – Adilabad, State – Telangana
Person(s) Killed :

1. Chenchala Rajaiah, General Mazdoor, Male, 58 Years

While a group of eight persons were engaged to lift the 70 sq. mm. armoured cable buried beneath the loose coal/shale in a dip gallery of old workings of an underground coal mine, suddenly one person stumbled and fell down due to which he received serious bodily injuries which proved fatal after 8 (eight) days.

Had the cable shifting operation been supervised and the place been inspected before engaging the work persons, thus, willfully and negligently not omitted safety of persons as required under Regulation 40(2) and 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

54. Date – 11/02/14
Time – 08. 45

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

1. Mohan Kumar Nayak, Cont. Employee, Male, 26 Years

While three employees of contractor were Waiting for commencing roof sheeting work at steel platform of a drive house of coal handling plant under construction in an opencast coal mine, one of the employee inadvertently went to a steel platform of adjoining drive house, stepped over a CGI sheet covering the opening kept in the platform, got unbalanced and fell down over a RCC platform from a height of 15.1m causing bodily injuries to which he succumbed after about 01.00 hrs and 25 minutes during treatment in the hospital.

Had

i) the person not gone to a platform of a drive house other than the drive house of coal handling plant under construction in which he works without justifiable purpose and walked carefully avoiding stepping over an opening temporarily covered with CGI sheet thus not negligently omitting his own safety as required under Reg. 38 (3) (b) and Reg. 190 of the Coal Mines Regulation, 1957; and

ii) it been ensured that the person does not go to a platform of a drive house other than the drive house in which he works without justifiable purpose and an opening kept in the platform covered properly so as to effectively prevent any person from falling therein thus negligently omitting the safety of the persons employed in a drive house as required under Reg. 40(2) and Reg. 190 of the Coal Mines Regulation, 1957;

this accident could have been averted.

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

55. Date - 04/02/14

Mine - JAYANT

Time - 20.30

Owner - Northern Coalfields Ltd.

Dist. - Singrauli, State - Madhya Pradesh

Person(s) Killed :

1. Varun Kumar, Cont. Worker, Male, 32 Years

While contractor's two pay-loader operators and a tipper operator were standing near the toe of 22 m high coal stock-pile having undercuts and overhangs caused by loading of coal by pay-loaders, the slope of coal stock-pile failed resulting in rolling down of coal lumps which hit and seriously injured one pay-loader operator, to which he succumbed after about 10 hours, whilst undergoing treatment at hospital.

Had

i) the loading of coal from the stock-pile been done top downwards or the coal been dozed down from the top for loading from the toe of the stock-pile, thereby preventing the stock-pile slope to be undercut and being made unstable, thus not negligently omitting the life and safety of persons employed in re-handling of stock, as required by the provisions of Regulation 190 of Coal Mines Regulation, 1957; and

ii) the coal dump-yard been placed under the supervision of a Sirdar or a competent person to ensure safety and proper discipline of persons employed thereat, as called for by the provisions of Regulation 113 of the Coal Mines Regulation, 1957, and DGMS Circular (Tech) 2 of 1986,

this accident could have been averted.

56. Date - 09/12/14

Mine - AMLOHRI OCP

Time - 05.15

Owner - Northern Coalfields Ltd.

Dist. - Singrauli, State - Madhya Pradesh

Person(s) Killed :

1. C. N. Muneyya, Tipper Operator, Male, 40 Years

While overburden was being loaded by a hydraulic excavator at the edge of an OB bench, a boulder measuring 1.6m X 1.2m X 0.8m(approx) in size rolled down from the bench-edge to hit cabin of a tipper being loaded on the lower bench 33.1m below, inflicting serious bodily injuries to the tipper operator who succumbed to his injuries after 27 days whilst undergoing treatment at hospital.

Had the OB face of the upper bench been inspected for evidence of material that may roll down as to endanger men and machines deployed on the lower bench, and none been allowed to work on the lower bench until such danger due to rolling down of material was removed, thus not negligently omitting to ensure the life and safety of the persons employed at the lower bench, as was required by Regulation 190 and Clause 7(a) & (b) of the Annexure to the Directorate's letter No. 4955 dated 07.07.1987 granting exemptions from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0900	Other Causes
Code : 0994	Buried in Sands, etc. (2 Deaths)

57. Date – 03/03/14 Mine – NEYVELI NO 1
 Time – 07.00 Owner – Neyveli Lignite Corporation Ltd.
 Dist. – Cuddalore, State – Tamil Nadu
 Person(s) Killed :

1. K. V. Gurusubramanian, Spl. Gr. SME. Optr, Male, 50 Years

While a person was moving on the overburden dump yard, he was buried in the overburden being dumped by spreader and died.

Had the person not been allowed to move towards the active overburden dumping area of a spreader thus negligently endangering the life of person therein as required under regulation 190 of the Coal Mines Regulation, 1957, the accident could have been averted.

58. Date – 24/06/14 Mine – GOPALICHUCK
 Time – 12.10 Owner – Bharat Coking Coal Ltd.
 Dist. – Dhanbad, State – Jharkhand
 Person(s) Killed :

1. Hareram Yadav, Stowing Crewman, Male, 42 Years

While two persons were engaged in cleaning stuck-up sand in stowing bunker standing on a bamboo ladder without using a strong steel rope anchored on surface to provide those persons with necessary hand hold and without using safety belts and without statutory supervision, all of a sudden part of the stuck-up sand dislodged and fell on them twice causing them imbalance, falling down into the bunker and burring them under the sand inflicting fatal injuries to one of them and reportable injuries to other.

Had

i) the persons not been permitted to remove stuck-up sand in the sand bunker without using a strong steel rope anchored on surface to provide them necessary hand hold & using safety belts as required under Regulation 100(1) & 111(2) of the Coal Mines Regulations, 1957 read with DG's Circular No. 13 of 1968;

ii) the persons been engaged under competent supervision as required under Regulation 34(1) &36(1)(a) (ii) of the Coal Mines Regulations 1957, read with DG's Circulation No. 13 of 1968; and

iii) a safe operating procedure for cleaning of sand in the sand bunker been framed and accordingly implemented thereby willfully or negligently not omitted to do anything necessary for the life and safety of the persons employed therein as required under Regulation 190 of Coal Mines Regulations, 1957 read with DG's Circular no. 13 of 2002;

this accident could have been averted.

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

59. Date - 24/06/14

Mine - BHANORA WEST BLOCK

Time - 14.30

Owner - Eastern Coalfields Ltd.

Dist. - Burdwan, State - West Bengal

Person(s) Killed :

1. Prabodh Kr. Bhattacharji, Face Worker, Male, 44 Years

While a person was travelling from his work place to surface along the travelling roadway of an underground coal mine, he fell down on the haulage track passing across the travelling roadway and received serious head injuries to which he died on the spot.

"Misadventure"

STATEMENT NO. 5.14

Details of major accidents in coal Mines (involving 4 or more deaths) during the year 1901-2014

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	Dhor i	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	Hurriladiah	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	Banksimulla 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	Dhor i	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	Dhemu 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	Dhemu 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	Bhulabararee	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	Dhemu 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	Dhemu 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	Burradhemo	4	0	Fall of Roof
163	08/02/56	Bhulabarree	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	Burradhemo	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	Dhor i	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	Sudamdih 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 Palasthal i	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	Hurriladih	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	Sirkha 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 Rayatwari	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
278	11/11/13	Basantimata	4	2	Fall of Roof

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 1901-2013

Sl. No.	Date of Accident	Name of Mine & Cause	No. of Persons Killed	Constitution of Court of Enquiry	Assessors
1	2	3	4	5	6
1	07/08/13	Jamadoba (Inundation)	7	S/Shri	S/Shri
				Information not readily available.	
2	08/08/13	Bhatdih (Inundation)	7	S/Shri	S/Shri
				Information not readily available.	
3	22/10/13	Chowrasi (Explosion)	27	S/Shri	S/Shri
				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	S/Shri	S/Shri
				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)

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
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, CCCKS
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 – V

ACCIDENT

SECTION – VI

MISCELLANEOUS

STATEMENT NO. 6.1

EXPORT AND IMPORT OF COAL, COKE AND LIGNITE

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

COUNTRY	EXPORT															
	2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14		2014-15	
	Qty.	Value	Qty.	Value	Qty.	Value		Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AFGHANISTAN	300	572	-	-	-	-	-	-	-	-	-	-	"	"	-	-
ALBANIA	-	-	-	-	-	-	-	-	-	-	90	4061828	"	"	-	-
ANGOLA	-	-	-	-	-	-	8	78	-	-	-	-	"	"	-	-
ARGENTINA	-	46000	928752	-	-	-	-	-	-	-	-	-	"	"	-	-
AUSTRALIA	-	-	2	91	78325	538005	1	1	-	-	2	16500	"	"	4	8000
AUSTRIA	-	-	-	-	-	-	-	-	-	-	6	37176	"	"	-	-
BAHARAIN IS	-	-	521950	390117	6305	84946	19721	204751	6562	136872	4060	73275184	-	-	1722	21883627
BANGLADESH	1318678	2153755	1293716	2837785	1452821	3567235	1399352	2905555	1217706	3118231	1621635	5774866128	1632903	7202718584	544690	769387129
BELGIUM	-	-	-	-	-	-	-	-	500	12627	-	-	"	"	-	-
BENIN	-	-	-	-	26	493	-	-	-	-	-	-	"	"	-	-
BHUTAN	55189	192808	207395	583142	77098	413241	201995	577975	143635	632863	728309	903208864	77783	952746915	10	230370
BRAZIL	45038	735534	192000	4177969	38500	633869	322500	6041575	368500	7737809	139001	2502387502	"	"	-	-
BRUNEI	-	-	-	-	-	-	-	-	-	-	16	2156770	"	"	-	-
BURKINA FASO	-	-	-	-	-	-	37	72	-	-	-	-	"	"	-	-
CAMEROON	-	-	-	-	-	-	-	-	2780	80477	-	-	"	"	-	-
CANADA	-	-	55	81	1	13	4	10	-	-	-	-	2	4000	-	-
CHILE	19	748	-	-	-	-	-	-	-	-	-	-	"	"	-	-
CHINA P. REP.	4986	5320	-	-	1	6	2301449	7024284	282	1370	-	-	"	"	6	73260
COLOMBIA	14	636	-	-	-	-	-	-	-	-	-	-	"	"	-	-
COTE D IVOIRE	18000	829	4	12	-	-	-	-	-	-	-	-	"	"	-	-
DENMARK	-	-	1	1	-	-	-	-	-	-	-	-	"	"	-	-
DOIBOUTI	120197	15581	-	-	-	-	20	531	20	568	61276	297590519	"	"	-	-
DOMONIC REP.	7	319	-	-	-	-	-	-	-	-	-	-	"	"	-	-
Egypt A R P	262	263	-	-	-	-	197	3990	141	1984	53	587034	"	"	56	1363169
EL SALVADOR	14	680	-	-	-	-	16	344	-	-	50	206296	"	"	-	-
ETHIOPIA	1000	2825	-	-	-	-	-	-	-	-	40	1338278	"	"	-	-
FINLAND	-	-	-	-	-	-	38	44	-	-	-	-	"	"	-	-
FRANCE	-	-	420500	1013804	3	7	33	157	-	-	-	-	"	"	-	-
GER.FED.REP.	6	12	-	-	2	6	600	389	20	429	121	457287	134	2000696	-	-
GHANA	-	-	-	-	-	-	-	-	47	1203	2	32550	27	727650	76	1654507
GEORGIA	-	-	-	-	150	781	-	-	-	-	-	-	"	"	-	-
HONG KONG	-	-	-	-	30	381	-	-	-	-	-	-	"	"	-	-
HUNGARY	1	2	-	-	-	-	-	-	-	-	-	-	"	"	-	-
INDONESIA	158	3078	-	-	10800	61243	20	738	84	8191	244	8893218	64	6647182	-	-
ITALY	30	30	-	-	39980	728982	-	-	-	-	200	8891608	24161	372852802	266	1682508
IRAN	-	-	-	-	5140	6832	121	1923	79999	1678194	1	18751	172	3524754	35000	372497232
IRAQ	-	-	-	-	-	-	-	-	-	-	5	2369508	18	998784	-	-
IRELAND	-	-	-	-	-	-	-	-	-	-	-	242	2385515	-	-	-
JAPAN	-	22000	197133	1	1	231557	1865117	20	460	18	543501	44	1015584	-	-	-
JORDAN	-	-	9	83	31	295	-	-	30	706	234	6408921	391	11497797	260	7835382
KAZAKHSTAN	-	-	-	-	-	-	-	-	16	255	-	-	"	"	-	-
KENYA	1009	3482	141	1237	23	216	96	1886	11	37	118	676529	"	"	164	2220648
KOREA REP.	12	36	9400	183551	3430	25914	64021	129949	2924	73350	1725	40670709	"	"	0	7020
KUWAIT	43	609	120	275	-	-	-	-	-	-	2000	42988157	20006	101470191	46	503750
LEBNON	-	-	-	-	-	-	-	-	125	1513	-	-	"	"	-	-
MALAYSIA	14	495	890	1734	-	-	-	-	34101	571736	82110	1297443465	79	2857118	207	3796739

STATEMENT NO. 6.1(Cont.)

EXPORT AND IMPORT OF COAL, COKE AND LIGNITE

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

COUNTRY	EXPORT															
	2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14		2014-15	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MALDOVA	-	-	-	-	-	-	-	-	-	-	-	-	6	50725	-	-
MAYANMAR	-	-	-	-	60	385	66	1122	-	-	-	-	-	-	-	-
MAURITIUS	1196	2203	1520	2117	3348	5002	-	-	11	250	-	-	-	-	-	-
MOROCCO	-	-	-	-	1	-	-	-	-	-	24	320768	100	1442214	50	644171
MOZAMBIQUE	10	10	-	-	-	-	-	-	-	-	7	228946	24	370729	-	-
NAMIBIA	-	-	1960	1927	-	-	-	-	-	-	-	-	-	-	-	-
NATURAL ZO	-	-	-	-	-	-	-	-	108	366	-	-	-	-	-	-
NEPAL	289739	547061	278539	533750	792849	741574	680475	1295311	723289	2487083	869999	2684953508	467129	2754619793	539027	3431529938
NETHERLAND	-	-	-	-	1	4	19880	357291	1	3	63	2681168	101	735417	-	-
NIGERIA	-	-	-	-	108	532	-	-	42	765	21	560041	59	1844789	739	12841541
N.MARIANA IS.	-	-	-	-	-	-	100	213	-	-	-	-	-	-	-	-
NORWAY	-	-	-	-	-	-	-	-	-	-	-	-	1	7434	-	-
OMAN	480	1112	3095	5785	2219	5324	7	44	2	55	431	17526762	501	11938071	1584	20484987
PAKISTAN IR	28805	153547	9696	74086	17530	278754	5036	109503	25404	630795	71397	521001637	24817	444383541	23558	378502104
PHILIPPINES	-	-	-	-	-	1820	11821	-	-	-	20	231064	-	-	-	-
QUATAR	1121	1701	-	-	204	260	-	-	-	-	4	144655	2	23896	10	760408
RUSSIA	-	-	-	-	-	-	21	15	-	-	-	-	15	2123596	-	-
SAUDI ARAB	2489	7701	954	15560	339	4943	547	8619	1603	18278	1205	22523972	815	26442386	1126	28387025
SENEGAL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SINGAPORE	63	603	200	425	-	-	-	-	-	-	144	2486578	1	11170	-	-
SLOVENIA	-	-	-	-	-	-	-	-	55	138	-	0	-	49	238404	-
SOUTH AFRICA	-	-	182	3506	1833	34809	-	-	328	10065	175	4020080	144	3545455	216	5648639
SPAIN	-	-	-	-	250	1890	-	-	-	-	-	-	-	-	-	-
SRI LANKA	4070	8197	6599	16622	1459	16210	1253	27860	1272	33903	1787	37084286	923	24531736	638	15874008
SUDAN	-	-	260	1262	-	-	-	-	48	601	-	-	-	-	120	1401875
SWITZERLAND	-	-	-	-	1	1	4	8	-	-	-	-	-	-	-	-
SYRIA	-	-	-	-	130	2188	-	-	110	2331	-	-	-	-	-	-
TAIWAN	-	-	-	-	10	14	-	-	-	-	12000	232847400	-	-	-	-
TANZANIA REP.	1302	3147	-	-	-	-	-	-	-	-	58	4463609	8	216779	51	585563
THAILAND	-	-	-	-	960	6098	-	-	60	428	-	-	106	2317617	12	1629358
TOGO	-	-	5	15	-	-	-	-	-	-	-	-	-	-	-	-
TURKEY	140	1537	-	-	-	-	-	79545	1466611	19	422	101	1109989	-	40	667860
UGANDA	-	-	-	-	100	168	-	-	-	-	1	5610	-	-	-	-
U.A.E.	52	115	5719	7121	1828	28474	1240	25206	17964	97573	89210	424802260	91076	464169346	142567	610097467
U.K.	907	1365	-	-	10	26	242	343	1	18	70	3954580	20	1151325	-	-
U.S.A.	1096	2215	500	2533	5007	20277	36052	693186	500	4426	356	38684025	206	8780251	78	3400188
VIETNAM SOC.REP.	952	4071	-	-	7330	44966	-	-	-	-	-	-	-	-	-	-
ZAMBIA	-	-	-	-	2	5	-	-	120	701	-	-	7	114404	-	-
ZIMBABWE	49	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
UNSPECIFIED	-	-	-	-	140	2357	-	-	17112	77433	1092	6188036	1776	12307709	-	-
TOTAL	1897448	3852204	3023412	10980476	2550205	7268568	5308634	22744701	2645552	17424507	3689481	14974945257	2343865	12422575955	-	-

STATEMENT NO.6.1 (Cont.)

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

COUNTRY	IMPORT															
	2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14		2014-15	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AFGHANISTAN	-	-	-	-	-	-	86	386	-	-	-	-	-	-	-	-
ARGENTINA	-	-	-	-	-	-	-	-	0	0	-	-	-	-	-	-
AUSTRALIA	20863485	113662393	19734915	15080452	23141828	288108022	18379915	190342984	28001280	369820218	30490421	316623109822	34747245	320455933943	47674014	346558076898
AUSTRIA	-	-	-	-	528	3475	-	-	175607	1405028	16930	181050634	-	-	-	-
BAHRAIN IS	-	-	-	-	-	-	-	-	12750	58452	-	-	-	-	-	-
BANGLADESH	50	162	64	212	-	-	800	2244	204	633	350	4490264	1632903	7202718584	-	-
BENIN	-	-	-	-	-	-	-	-	8000	28865	-	-	-	-	-	-
BELGIUM	-	-	-	-	-	-	20592	204561	4803	61230	-	-	59	1317573	-	-
BHUTAN	-	-	120	275	-	-	-	-	-	-	-	-	156	777835	-	-
BOSNIA HERZGOVIN	-	-	-	-	-	-	58166	1313972	-	-	42477	763297652	-	-	-	-
CANADA	19	609	53	1640	36	1053	21	337	229599	3157153	999495	10843475427	1247222	12247868942	1954653	15201173827
CHILE	-	-	-	-	-	-	-	-	-	-	-	-	926568	3309365422	1728434	5549349855
CHINA P. REP.	4299380	48612317	2043741	42512429	130279	2028602	1120075	21836740	1199271	21834731	119191	2763900876	2236125	35109266595	2046021	25804017965
COLOMBIA	140	1676	603	7623	176962	2594249	156387	1688497	127001	2756825	589351	7570796819	302544	4466493978	104731	1924469259
COTE D'IVOIRE	-	-	-	-	-	-	-	-	45598	152108	-	-	-	-	-	-
CZECH REP.	-	-	-	-	1	10	-	-	6824	97345	-	-	-	-	-	-
DENMARK	-	-	-	-	-	-	-	-	25	306	-	-	1	55770	-	-
Egypt A. REP.	32998	329942	-	-	86317	1514860	-	-	2000	7010	-	-	11850	91500438	-	-
ESTONIA	-	-	-	-	-	-	-	-	-	-	-	-	21	328664	-	-
FRANCE	-	-	-	-	-	-	-	-	5480	72298	-	-	-	-	-	-
GERMAN F. REP.	59	1822	76	2857	40	1410	21	752	49353	704394	351	14108804	17	608842	259	7361630
GHANA	-	-	-	-	-	-	-	-	-	-	-	-	27	727650	-	-
GUINEA BISSAU	-	-	-	-	-	-	-	-	7500	27443	-	-	-	-	-	-
HONGKONG	-	-	-	-	-	-	116	2027	35	752	-	-	96	2366822	-	-
INDONESIA	19516881	52844545	28767683	32643907	32164179	21547359	38973398	147797062	55260271	258416953	82392520	329706331317	101898576	413288682468	118215130	451920393034
IRAN	23376	254889	556	5157	-	-	14286	107492	85902	683289	-	-	-	22	115276	-
IRELAND	-	-	-	-	-	-	-	-	10017	34021	58	695040	125	1101602	41	502574
ISRAEL	-	-	-	-	43603	306145	-	-	59999	951431	-	-	-	-	-	-
ITALY	-	-	-	-	10998	165116	10072	208505	14135	210237	34799	365280147	69906	1065141418	39312	590360820
JAPAN	214899	2324820	70343	10076636	281043	4004989	121168	2016917	452152	8769539	753810	14543546146	577516	9671787402	340759	5089918675
JORDAN	-	-	22552	45902	-	-	-	-	-	-	-	-	-	-	-	-
KENYA	-	-	-	-	-	-	49997	675849	-	-	-	-	-	-	-	-
KOREA REP.	-	-	-	-	-	-	29742	744048	24007	230314	15384	261475948	31758	527832816	-	-
KYRGYZSTAN	-	-	-	-	-	-	204	2148	-	-	-	-	-	-	-	-
LATVIA	-	-	-	-	-	-	49999	523774	1365	17855	55441	449617774	3977	55108827	4528	66017558
LITHUANIA	-	-	-	-	-	-	-	-	-	-	23	237615	-	-	66	1172507
MALTA	-	-	-	-	-	-	-	-	10000	113984	-	-	-	-	-	-
MALAYSIA	24649	150249	-	-	-	-	11279	147287	62776	484089	-	-	55109	200976485	11500	60891619
MAURITIUS	-	-	-	-	-	-	61	430	-	-	6	133100	-	-	-	-

COUNTRY	IMPORT																
	2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14		2014-15		
	Qty.	Value	Qty.	Value	Qty.	Value											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
MEXICO	-	-	-	-	-	-	21536	239291	16100	175346	-	-	-	-	-	-	
MONGOLIA	-	-	-	-	16	545	-	-	-	-	32800	417150873	-	-	-	-	
MOROCCO	12011	154050	-	-	-	-	-	-	2097	9856	-	-	-	-	-	-	
MOZAMBIQUE	-	-	-	-	82917	314731	100	685	49057	492492	978309	10186076485	1498624	11862670897	1978766	13358012112	
MYANMAR	-	-	-	-	-	-	-	-	19810	85626	-	-	-	-	-	-	
NEPAL	14	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
NETHERLAND	-	-	4	77	46369	518344	7003	19545	50339	488424	34	1531421	-	57	3739480	-	
NEWZELAND	770544	4494271	839628	8862858	1059317	9975882	836845	8020180	959787	12098583	1046858	1135826534	1131811	10729310529	1025416	7896790109	
NIGERIA	-	-	-	-	-	-	-	-	24230	318880	-	-	-	-	-	-	
OMAN	-	-	-	-	29828	164894	-	-	-	-	-	-	-	-	-	-	
PAKISTAN IR	8300	36308	115	606	-	-	48	239	259	1139	3687	24409118	22960	202866964	-	-	
PHILIPPINES	322917	900287	194017	715140	670972	223512	266672	668177	60552	208396	165404	561674511	-	-	-	-	
POLAND	-	-	-	-	384121	5151822	43730	1061861	85043	197292	409433	7760712799	170337	3097279708	98000	1336722175	
PORTUGAL	-	-	-	-	-	-	-	-	5000	16300	-	-	-	-	-	-	
QUATAR	-	-	-	-	-	-	-	-	20	659	-	-	-	-	-	-	
RUSSIA	102179	484268	499263	7743904	2144075	9899116	428599	6191028	1494500	14530755	741881	10366287255	879730	8318754092	1465341	10429140391	
SAUDI ARAB	-	-	-	-	-	-	-	-	102358	674692	-	-	-	-	-	-	
SINGAPORE	80151	610491	-	-	-	-	-	-	24766	517204	60391	351454406	-	-	-	-	
SPAIN	-	-	-	-	95	1976	591	14809	244	6593	256	8148302	500	13427190	-	-	
SOUTH AFRICA	6972778	28690262	7093242	44981007	14492318	61269478	2903112	612331979	12217251	77107152	20294980	113591170887	20616630	111281487615	30730729	15263645249	
SRI LANKA	-	-	-	-	-	-	376	6338	-	-	-	-	-	-	-	-	
ST LUCIA	35860	152279	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
SWEDEN	-	-	-	-	246192	2671350	-	-	-	-	-	-	-	-	-	-	
SWITZERLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	26000	110589500	
TAIWAN	-	-	100	1634	-	-	-	-	69548	456708	-	-	-	-	-	-	
TAJIKISTAN	-	-	-	-	53	505	-	-	-	-	-	-	-	-	-	-	
TANZANIA REP	-	-	-	-	-	-	-	-	6000	17617	-	-	-	-	-	-	
THAILAND	20	296	45278	417908	-	-	-	-	25113	291954	-	-	-	-	-	-	
TURKEY	-	-	-	-	-	-	-	-	7500	37442	234	4298272	69	1208512	-	-	
U.A.E.	-	-	10326	152262	200	1151	10000	37240	75290	868937	86	1317370	-	-	12510	167010034	
U.K.	596	10085	600	11730	1330	23579	104407	1093244	36863	694661	2012	55208917	2236	62089388	3092	88497572	
UKRAINE	-	-	-	-	125538	1131658	51349	599543	666611	10084895	1167740	18882555074	895870	12412424601	506662	6212650032	
U.S.A.	558622	3669080	1215151	161363013	1494925	145580289	2051559	23623109	3007624	60140237	6388457	55033752652	3651073	32074881518	4270273	30011268738	
VIETNAM SOC.REP.	202131	1230855	257983	3419100	2064483	2002241	289925	3635509	85002	1545173	141162	24493217127	49898	747019788	32678	529207193	
VENEZUELA	-	-	-	-	-	-	-	-	32204	413266	40	866519	133	2856329	29135	260809350	
UNSPECIFIED	-	-	6000	21343	-	-	387408	2078709	232060	1650080	1921267	102396135452	100	1097579	2967011	12537835491	
ZIMBABWE	-	-	-	-	-	-	-	-	6122	30189	-	-	-	-	-	-	
TOTAL	5404269	258615965	6080293	277835672	77020563	424102453	6639945	476137498	105217914	835959832	148866638	925384066359	172661752	-	-	-	-

June 2016

Price { Inland: ₹ 550.00
 { Foreign: £ 7.90, \$ 12.00