



सत्यमेव जयते

**STATISTICS OF MINES
IN INDIA
VOLUME I - (COAL)
2013**



**रवान 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

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

प्रस्तावना

खान सुरक्षा महानिदेशालय जिस पर देशभर में खान अधिनियम 1952 को प्रवर्तित करने की जिम्मेवारी है, कोयला खान विनियम 1957 के तहत विविध सांविधिक विवरणी एवं सूचनाएँ प्राप्त करते हैं। "स्टैटिस्टीक्स ऑफ माइन्स इन इन्डिया"- वॉल्यूम -I (कोल) शीर्षक नामक वर्ष 2013 के लिए यह प्रकाशन ऐसी ही विवरणी एवं सूचनाओं पर आधारित है जो खान अधिनियम 1952 की अधिकारिता के अन्तर्गत आनेवाले भारत के सभी कोयला खानों को समाविष्ट करता है।

यह प्रकाशन रोजगार, उत्पादन, उत्पादकता तथा अन्य सम्बद्ध रूपरेखाओं जैसे कोयला खानों में सीम की गैसीनेस, यंत्रीकरण तथा विस्फोटकों आदि का प्रयोग सम्बन्धित सूचना पर प्रकाश डालता है। इसके अतिरिक्त संदर्भ वर्ष के दौरान कोयला के खानों में घटित प्रत्येक प्राणधातक 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।

नवम्बर 2015
धनबाद।

१३८
राहुल गुहा
खान सुरक्षा महानिदेशक

PREFACE

Directorate General of Mines Safety (DGMS), entrusted to enforce the Mines Act, 1952 throughout the country, receives various statutory Returns and Notices under the Coal Mines Regulations, 1957. This publication entitled "Statistics of Mines in India- Vol. I (Coal)" for the year 2013 is based on such Returns and Notices and covers the coal mines in India coming under the purview of the Mines Act, 1952.

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

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

I welcome any suggestion for improvement of the publication.

November, 2015
Dhanbad


(Rahul Guha)
Director General of Mines Safety

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INTRODUCTION

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

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

SECTION - I: EMPLOYMENT AND OUTPUT

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

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

Statement No.1.1

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

Statement Nos. 1.11 to 1.14

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

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

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

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

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

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

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

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

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

Statement Nos.1.18 & 1.19

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

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

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

SECTION - II : GASSINESS

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

Gassy seam of the first degree :-

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

Gassy seam of the second degree :-

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

Gassy seam of the third degree :-

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

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

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

SECTION - III : EXPLOSIVES

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

SECTION IV : MACHINERIES

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

SECTION - V : ACCIDENTS

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

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

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

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

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

SECTION – VI : MISCELLANEOUS

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

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

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Notes: 1. Figures of Andhra Pradesh available in state-wise tables includes that of the state Telangana also. The state 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									Place of work			
	Andhra Pradesh	Chatti- sgarh	Jhar- khand	Madhya@ Pradesh	Mahar- ashtra	Orissa	Tamil- nadu	West Bengal	All*	India	Below ground	Open- cast	Above ground
1	2	3	4	5	6	7	8	9	10	11	12	13	
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	

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

STATEMENT NO. 1.2

AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2013.

STATE/DISTRICT	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
1. COAL																		
ANDHRA PRADESH																		
Adilabad	22	18416	992	733	4329	2102	15327	965	146	410	1741	249	1099	1348	18322	94		
Karimnagar	19	24710	806	845	2339	2789	16472	117	148	3480	4866	416	2956	3372	24434	276		
Khammam	12	10479	1627	199	167	491	3430	211	664	1257	3864	256	2929	3185	10406	73		
Warangal	7	5509	60	264	708	608	4590	18	--	42	514	72	333	405	5507	2		
TOTAL: ANDHRA PRADESH	60	59114	3485	2041	7543	5990	39819	1311	958	5189	10985	993	7317	8310	58669	445		
ARUNACHAL PRADE																		
Chaglong	1	408	--	--	--	--	--	12	--	--	18	60	330	390	406	2		
ASSAM																		
Tinsukia	5	1668	8	36	287	61	432	74	151	292	658	203	375	578	1591	77		
CHATTISGARH																		
Bilaspur	2	466	--	30	6	337	383	--	--	--	--	21	62	83	446	20		
Raigarh	11	5544	2826	142	249	--	2505	180	802	--	2023	354	662	1016	5534	10		
Surguja	17	7801	910	357	330	1628	5095	89	3	262	1199	452	1055	1507	7659	142		
Korea	17	9199	543	555	227	2240	7161	2	--	--	28	378	1632	2010	8956	243		
Korba	18	11164	1629	234	684	1812	3582	198	--	708	3237	1241	3104	4345	10962	202		
Surajpur	1	136	80	--	--	--	--	10	--	--	127	9	--	9	136	--		
TOTAL: CHATTISGARH	66	34310	5988	1318	1496	6017	18726	479	805	970	6614	2455	6515	8970	33693	617		
JHARKHAND																		
Deoghar	2	1269	--	--	--	--	--	16	3	443	566	103	600	703	1144	125		
Dhanbad	94	52458	2172	1643	2761	8478	29518	497	284	4257	10241	3109	9590	12699	50011	2447		
Giridih	3	617	41	--	--	--	--	16	--	--	280	60	277	337	608	9		
Godda	1	1952	--	--	--	--	--	37	--	--	846	83	1023	1106	1800	152		
Hazaribagh	37	14205	261	227	1246	1226	4230	295	309	1234	4631	1351	3993	5344	13408	797		
Palamau	4	833	303	--	--	--	--	51	98	163	428	111	294	405	795	38		
Ranchi	6	2890	83	25	24	136	253	70	--	1006	1225	417	995	1412	2703	187		
Sahebganj	1	40	--	--	--	--	--	2	--	16	27	5	8	13	38	2		
Bokaro	22	12015	844	224	932	998	3299	344	950	2120	5243	1154	2319	3473	11284	731		
Pakur	1	1889	1272	--	--	--	--	20	--	273	460	80	1349	1429	1889	--		
Chatra	3	2244	297	21	43	274	338	78	--	613	985	189	732	921	2180	64		
Latehar	1	62	14	--	--	--	--	5	--	--	19	14	29	43	62	--		
Ramgarh	2	818	--	--	--	--	--	22	276	12	681	137	--	137	812	6		
TOTAL: JHARKHAND	177	91292	5287	2140	5006	11112	37638	1453	1920	10137	25632	6813	21209	28022	86734	4558		

STATEMENT NO. 1.2 (Cont.)

STATE/DISTRICT	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				EMPLO- YMENT & SIRDARS	OVERMEN & LOADERS	MINERS	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		
JAMMU & KASHMIR																		
Rajauri	2	446	--	13	205	--	340	--	--	--	--	12	94	106	446	--		
Udhampur	1	128	--	3	72	--	100	--	--	--	--	3	25	28	128	--		
TOTAL: JAMMU & KASHMIR	3	574	--	16	277	--	440	--	--	--	--	15	119	134	574	--		
MADHYA PRADESH																		
Narsigpur	1	356	296	--	--	--	--	13	--	33	145	43	168	211	356	--		
Betul	9	4768	44	298	162	1828	4077	--	--	--	--	181	510	691	4725	43		
Chhindwara	24	7119	439	364	305	2453	5476	45	1	51	273	307	1063	1370	6895	224		
Shahdol	27	16451	989	713	1494	3247	10780	87	--	285	563	1319	3789	5108	16179	272		
Sidhi	4	11282	4021	--	--	--	--	183	68	3899	5518	869	4895	5764	11073	209		
Umaria	8	3467	169	162	1	1051	2636	13	--	50	63	187	581	768	3372	95		
Anuppur	2	1168	167	38	--	273	653	28	--	--	313	82	120	202	1142	26		
Singrauli	3	1640	583	--	--	--	--	35	--	192	1016	71	553	624	1630	10		
TOTAL: MADHYA PRADESH	78	46251	6708	1575	1962	8852	23622	404	69	4510	7891	3059	11679	14738	45372	879		
MAHARASHTRA																		
Chandrapur	31	16507	1297	259	332	1891	4656	344	32	1806	4235	1837	5779	7616	16021	486		
Nagpur	13	6781	155	258	574	1260	3887	86	112	530	980	487	1427	1914	6654	127		
Yavatmal	13	4468	240	41	--	--	617	171	109	377	1918	504	1429	1933	4342	126		
TOTAL: MAHARASHTRA	57	27756	1692	558	906	3151	9160	601	253	2713	7133	2828	8635	11463	27017	739		
ORISSA																		
Angul	13	12488	4500	88	170	857	1832	233	92	1675	5874	821	3961	4782	12177	311		
Sambalpur	1	288	180	--	--	--	--	13	9	87	128	10	150	160	287	1		
Sundergarh	2	1275	526	--	--	--	--	35	--	1058	1123	96	56	152	1245	30		
Jharsuguda	11	7390	1831	203	28	1092	2726	153	489	865	2822	657	1185	1842	7289	101		
TOTAL: ORISSA	27	21441	7037	291	198	1949	4558	434	590	3685	9947	1584	5352	6936	20998	443		
UTTAR PRADESH																		
Sonebhadra	5	8357	2642	--	--	--	--	153	282	2018	4288	802	3267	4069	7854	503		
WEST BENGAL																		
Bankura	4	1435	102	26	--	400	452	48	--	255	437	173	373	546	1411	24		
Birbhum	3	212	--	--	3	6	12	--	--	166	15	25	40	208	4			
Burdwan	98	49591	1480	1621	2441	9280	31784	242	244	1447	3391	2902	11514	14416	47229	2362		
Purulia	2	1535	--	61	228	299	1110	--	--	--	--	76	349	425	1424	111		
TOTAL: WEST BENGAL	107	52773	1582	1708	2669	9982	33352	302	244	1702	3994	3166	12261	15427	50272	2501		
ALL INDIA : COAL	586	343944	34429	9683	20344	47114	167747	5223	5272	31216	77160	21978	77059	99037	333180	10764		

STATEMENT NO. 1.2 (Cont.)

STATE/DISTRICT	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER WORKERS	TOTAL (INCLU- DING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
2. LIGNITE																		
GUJARAT																		
Bharuch	3	1310	877	--	--	--	--	43	456	--	1057	77	176	253	1296	14		
Bhavanagar	2	414	305	--	--	--	--	23	--	--	208	49	157	206	411	3		
Kutch	2	1014	434	--	--	--	--	21	55	--	671	108	235	343	934	80		
Surat	3	517	434	--	--	--	--	22	--	153	443	15	59	74	516	1		
TOTAL: GUJARAT	10	3255	2050	--	--	--	--	109	511	153	2379	249	627	876	3157	98		
RAJASTHAN																		
Barmer	3	1239	265	--	--	--	--	15	172	74	718	60	461	521	1239	--		
Bikaner	3	435	347	--	--	--	--	17	--	--	409	16	10	26	435	--		
Nagaur	1	88	65	--	--	--	--	8	47	--	65	7	16	23	88	--		
TOTAL: RAJASTHAN	7	1762	677	--	--	--	--	40	219	74	1192	83	487	570	1762	--		
TAMILNADU																		
Cuddalore	2	8959	3699	--	--	--	--	58	425	--	6239	922	1798	2720	8959	--		
ALL INDIA : LIGNITE	19	13976	6426	--	--	--	--	207	1155	227	9810	1254	2912	4166	13878	98		
ALL INDIA : ALL COAL	605	357920	40855	9683	20344	47114	167747	5430	6427	31443	86970	23232	79971	103203	347058	10862		

STATEMENT NO. 1.3

AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2013 : OWNERWISE

OWNER	NO.OF	TOTAL	CONT-	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
	MINES	EMPLOY- MENT (INCLU- ING CONTRACT)	RACT EMPLO- YMENT	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLUD- ING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
BCCL	76	42245	413	1068	1407	6632	21750	459	93	4225	9629	2621	8245	10866	40020	2225		
CCL	67	29777	771	393	2150	2634	7133	756	1527	5126	11565	3214	7865	11079	28008	1769		
ECL	115	57294	897	1894	3199	10844	35639	259	438	1401	4180	3512	13963	17475	54248	3046		
MCL	26	21153	6857	291	198	1949	4558	421	581	3598	9819	1574	5202	6776	20711	442		
NCL	10	20551	7154	--	--	--	--	347	350	5917	10276	1713	8562	10275	19829	722		
NEC	5	1668	8	36	287	61	432	74	151	292	658	203	375	578	1591	77		
SECL	94	50366	4606	2125	2991	10588	30839	414	106	1305	5350	3724	10453	14177	49364	1002		
WCL	85	38349	1791	1189	1358	7432	18352	594	254	2398	6618	3234	10145	13379	37343	1006		
CIL	478	261403	22497	6996	11590	40140	118703	3324	3500	24262	58095	19795	64810	84605	251114	10289		
JSMDC	1	62	14	--	--	--	--	5	--	--	19	14	29	43	62	--		
DVC	1	144	--	--	--	--	--	9	--	22	62	33	49	82	139	5		
GMDC	6	2700	1577	--	--	--	--	76	511	153	1972	240	488	728	2602	98		
IISCO	4	1892	822	104	41	--	852	36	--	1	514	88	438	526	1888	4		
J&K Min.	3	574	--	16	277	--	440	--	--	--	--	15	119	134	574	--		
NLC	4	9272	3946	--	--	--	--	68	425	--	6541	933	1798	2731	9272	--		
SCCL	60	59114	3485	2041	7543	5990	39819	1311	958	5189	10985	993	7317	8310	58669	445		
TISCO	9	7276	1424	308	783	984	5128	71	--	--	1396	169	583	752	7266	10		
RSMDC	1	140	108	--	--	--	--	6	60	12	97	18	25	43	140	--		
PIL	1	246	85	--	--	--	--	18	--	--	189	34	23	57	246	--		
GIPCL	3	478	425	--	--	--	--	19	--	--	393	7	78	85	478	--		
GHCL	1	77	48	--	--	--	--	14	--	--	14	2	61	63	77	--		
JSPL	2	1097	393	--	--	--	--	80	--	--	765	110	222	332	1097	--		
BENGALEMTA	3	577	357	--	--	--	--	39	--	--	492	19	66	85	577	--		
APMDTC	1	408	--	--	--	--	--	12	--	--	18	60	330	390	406	2		
BLAI	1	356	296	--	--	--	--	13	--	33	145	43	168	211	356	--		
ICML	1	1106	17	--	--	--	--	31	--	536	743	72	291	363	1106	--		
INDAL	1	288	180	--	--	--	--	13	9	87	128	10	150	160	287	1		
MIL	1	1688	976	57	--	--	1434	--	--	--	97	157	254	1688	--	--		
CTL	1	45	41	--	--	--	--	2	--	--	4	5	36	41	45	--		
RSMML	2	224	190	--	--	--	--	9	117	8	168	17	39	56	224	--		
PCML	1	1889	1272	--	--	--	--	20	--	273	460	80	1349	1429	1889	--		
JNL	1	748	579	49	--	--	522	9	--	--	116	33	77	110	748	--		
RASL	2	566	--	--	--	--	--	39	85	366	501	43	22	65	566	--		
SISCL	1	380	325	26	--	--	341	--	--	--	--	5	34	39	380	--		
SECL	1	390	34	--	--	--	--	28	--	--	313	31	46	77	382	8		
ELCALTD	1	639	493	81	95	--	488	9	8	--	38	21	92	113	639	--		
VSLPPL	1	122	100	--	--	--	--	7	--	--	107	5	10	15	122	--		
WBMD&TCL	1	402	--	--	--	--	--	18	--	--	79	36	287	323	402	--		
UML	1	392	303	--	--	--	--	21	98	--	170	45	177	222	392	--		
DVC EMTA	2	717	45	--	--	--	--	43	--	255	627	82	8	90	717	--		
SEML	2	184	165	--	--	--	--	18	80	--	149	9	26	35	184	--		
MSMCL	1	158	--	--	--	--	--	9	--	--	126	4	28	32	158	--		
JAL	1	27	--	5	15	--	20	--	--	--	--	7	--	7	27	--		
SPL	1	570	92	--	--	--	--	15	--	192	420	25	125	150	570	--		
BLMCL	1	963	32	--	--	--	--	8	42	54	518	32	413	445	963	--		
JPL	1	606	534	--	--	--	--	30	534	--	606	--	--	--	606	--		
NTPC	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ALL INDIA	605	357920	40855	9683	20344	47114	167747	5430	6427	31443	86970	23232	79971	103203	347058	10862		

STATEMENT NO. 1.4

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2013.

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
1. COAL				
ANDHRA PRADESH				
Adilabad	4606512	472197	382765	5461474
Karimnagar	5034177	1536820	1104270	7675267
Khammam	1044459	1289889	1022472	3356820
Warangal	1386663	163326	121778	1671767
TOTAL: ANDHRA PRADESH	12071811	3462232	2631285	18165328
ARUNACHAL PRADE				
Chaglong	--	5060	107410	112470
ASSAM				
Tinsukia	131588	202996	183311	517895
CHATTISGARH				
Bilaspur	139016	--	30374	169390
Raigarh	871334	663008	333424	1867766
Surgoja	1845494	407846	533816	2787156
Korea	2568087	9548	706790	3284425
Korba	1267018	1120750	1493275	3890549
Surajpur	--	46633	3260	49893
TOTAL: CHATTISGARH	6690949	2247785	3100939	12049179
JHARKHAND				
Deoghar	--	205868	246159	452027
Dhanbad	9038790	3516127	4058718	16613635
Giridih	--	84239	104990	189229
Godda	--	308790	403690	712480
Hazaribagh	1257063	1431222	1745891	4434176
Palamau	--	131568	119724	251292
Ranchi	77588	446766	501455	1025809
Sahebganj	--	8265	3866	12131
Bokaro	1000645	1673814	1101132	3775591
Pakur	--	140074	441713	581787
Chatra	102951	333246	292635	728832
Latehar	--	5954	13244	19198
Ramgarh	--	230587	46400	276987
TOTAL: JHARKHAND	11477037	8516520	9079617	29073174

STATEMENT NO. 1.4 (Cont..)

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
JAMMU & KASHMIR				
Rajauri	97440	--	29446	126886
Udhampur	30400	--	8512	38912
TOTAL: JAMMU & KASHMIR	127840	--	37958	165798
MADHYA PRADESH				
Narsigpur	--	44485	64602	109087
Betul	1361189	--	218325	1579514
Chhindwara	1512574	84845	377383	1974802
Shahdol	3685373	182097	1694172	5561642
Sidhi	--	1454692	1726439	3181131
Umaria	913980	16088	261143	1191211
Anuppur	238395	114197	73790	426382
Singrauli	--	305130	191093	496223
TOTAL: MADHYA PRADESH	7711511	2201534	4606947	14519992
MAHARASHTRA				
Chandrapur	1546587	1329177	2427067	5302831
Nagpur	1294025	330756	647286	2272067
Yavatmal	221258	644277	619322	1484857
TOTAL: MAHARASHTRA	3061870	2304210	3693675	9059755
ORISSA				
Angul	571525	2006734	1521479	4099738
Sambalpur	--	38656	48320	86976
Sundergarh	--	373665	49188	422853
Jharsuguda	835159	1004204	619988	2459351
TOTAL: ORISSA	1406684	3423259	2238975	7068918
UTTAR PRADESH				
Sonebhadra	--	1299176	1344688	2643864
WEST BENGAL				
Bankura	138884	151214	169820	459918
Birbhum	1800	57229	12608	71637
Burdwan	10159187	1074402	4396813	15630402
Purulia	339580	--	130357	469937
TOTAL: WEST BENGAL	10639451	1282845	4709598	16631894
ALL INDIA : COAL	53318741	24945617	31734403	110008267

STATEMENT NO. 1.4 (Cont.)

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
2. LIGNITE				
GUJARAT				
Bharuch	--	325288	77560	402848
Bhavanagar	--	74697	61295	135992
Kutch	--	212149	106469	318618
Surat	--	157742	26569	184311
TOTAL: GUJARAT	--	769876	271893	1041769
RAJASTHAN				
Barmer	--	247329	183224	430553
Bikaner	--	147923	8755	156678
Nagaur	--	19713	6996	26709
TOTAL: RAJASTHAN	--	414965	198975	613940
TAMILNADU				
Cuddalore	--	1974855	827235	2802090
ALL INDIA : LIGNITE	--	3159696	1298103	4457799
ALL INDIA : ALL COAL	53318741	28105313	33032506	114466066

STATEMENT NO. 1.5

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2013 : OWNERWISE

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
BCCL	6690880	3319474	3477848	13488202
CCL	2135835	3725550	3625274	9486659
ECL	11344802	1421119	5443957	18209878
MCL	1406684	3384603	2190655	6981942
NCL	--	2900508	3209031	6109539
NEC	131588	202996	183311	517895
SECL	10853098	1841005	4845735	17549344
WCL	5824801	2134120	4242937	12201858
CIL	38387688	18929375	27218748	84545317
JSMDC	--	5954	13244	19198
DVC	--	18583	25697	44280
GMDC	--	623835	219131	842966
IISCO	262319	158191	161368	581878
J&K Min.	127840	--	37958	165798
NLC	--	2084693	830650	2915343
SCCL	12071811	3462232	2631285	18165328
TISCO	1533243	437043	235503	2205789
RSMDC	--	29622	13110	42732
PIL	--	57834	16750	74584
GIPCL	--	141171	30697	171868
GHCL	--	4870	22065	26935
JSPL	--	234072	101592	335664
BENGALEMTA	--	173852	30134	203986
APMDTC	--	5060	107410	112470
BLAI	--	44485	64602	109087
ICML	--	212487	105370	317857
INDAL	--	38656	48320	86976

STATEMENT NO. 1.5 (Cont.)

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
MIL	516368	--	91426	607794
CTL	--	1440	14757	16197
RSMML	--	51025	17028	68053
PCML	--	140074	441713	581787
JNL	159231	35281	33743	228255
RASL	--	152801	19971	172772
SISCL	104818	--	11889	116707
SECL	--	114197	28298	142495
ELCALTD	149409	11428	34581	195418
VSLPPL	--	38085	5340	43425
WBMD&TCL	--	24095	98515	122610
UML	--	51924	63419	115343
DVC EMTA	--	217406	31560	248966
SEML	--	48332	11364	59696
MSMCL	--	31562	7992	39554
JAL	6014	--	1997	8011
SPL	--	126928	45197	172125
BLMCL	--	186395	160082	346477
JPL	--	212325	--	212325
NTPC	--	--	--	--
ALL INDIA	53318741	28105313	33032506	114466066

STATEMENT NO. 1.6

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2013 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	2	7	6	12	11	25	7	1	3	1	1	--	76
CCL	5	5	7	10	13	18	9	--	--	--	--	--	67
ECL	13	4	14	24	15	29	6	6	--	1	3	--	115
MCL	2	2	2	1	2	7	1	2	4	2	1	--	26
NCL	--	--	--	--	--	2	1	--	2	--	1	4	10
NEC	--	--	3	1	--	1	--	--	--	--	--	--	5
SECL	4	9	8	16	12	32	5	2	2	4	--	--	94
WCL	6	6	8	18	13	26	4	3	1	--	--	--	85
CIL	28	33	48	82	66	140	33	14	12	8	6	4	478
JSMDC	--	1	--	--	--	--	--	--	--	--	--	--	1
DVC	--	1	--	--	--	--	--	--	--	--	--	--	1
GMDC	--	--	2	1	1	2	--	--	--	--	--	--	6
IISCO	--	1	1	--	--	1	--	1	--	--	--	--	4
J&K Min.	--	1	1	1	--	--	--	--	--	--	--	--	3
NLC	--	1	1	--	--	--	--	--	--	1	--	1	4
SCCL	2	1	2	4	3	12	12	6	10	5	1	2	60
TISCO	1	--	--	1	--	1	3	1	2	--	--	--	9
RSMDC	--	1	--	--	--	--	--	--	--	--	--	--	1

STATEMENT NO. 1.6(cont.)

OWNER	UPTO 50	51 TO 150	151 TO 250	251 TO 400	401 TO 500	501 TO 800	801 TO 1000	1001 TO 1200	1201 TO 1600	1601 TO 2000	2001 TO 2500	ABOVE 2500	TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	--	--	1	--	--	--	--	--	--	--	--	--	--	1
GIPCL	--	1	2	--	--	--	--	--	--	--	--	--	--	3
GHCL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
JSPL	--	--	--	--	--	2	--	--	--	--	--	--	--	2
BENGALEMTA	--	2	--	1	--	--	--	--	--	--	--	--	--	3
APMDTC	--	--	--	--	1	--	--	--	--	--	--	--	--	1
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
SECL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
ELCALTD	--	--	--	--	--	1	--	--	--	--	--	--	--	1
VSLPPL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
WBMD&TCL	--	--	--	--	1	--	--	--	--	--	--	--	--	1
UML	--	--	--	1	--	--	--	--	--	--	--	--	--	1

STATEMENT NO. 1.6(cont.)

OWNER	UPTO 50	51	151	251	401	501	801	1001	1201	1601	2001	ABOVE 2500	TOTAL	
	TO 150	TO 250	TO 400	TO 500	TO 800	TO 1000	TO 1200	TO 1600	TO 2000	TO 2500	TO 2500	TO 2500		
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
DVC EMTA	--	--	--	2	--	--	--	--	--	--	--	--	--	2
SEML	--	2	--	--	--	--	--	--	--	--	--	--	--	2
MSMCL	--	--	1	--	--	--	--	--	--	--	--	--	--	1
JAL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
SPL	--	--	--	--	--	1	--	--	--	--	--	--	--	1
BLMCL	--	--	--	--	--	--	1	--	--	--	--	--	--	1
JPL	--	--	--	--	--	1	--	--	--	--	--	--	--	1
NTPC	1	--	--	--	--	--	--	--	--	--	--	--	--	1
ALL INDIA	38	50	59	97	73	162	49	23	24	16	7	7	605	

STATEMENT No. 1.7
EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2013.

STATE/DISTRICT	NO. OF MINES	BELLOW- GROUND	OPENCAST	ABOVE- GROUND	TOTAL
1	2	3	4	5	6
1. COAL					
ANDHRA PRADESH					
Adilabad	22	18534	2148	1626	22308
Karimnagar	19	19798	5896	4080	29774
Khammam	12	4116	4637	3824	12577
Warangal	7	5509	616	485	6610
TOTAL: ANDHRA PRADESH	60	47957	13297	10015	71269
ARUNACHAL PRADESH					
Chaglong	1	--	26	560	586
ASSAM					
Tinsukia	5	519	789	694	2002
CHATTISGARH					
Bilaspur	2	459	--	100	559
Raigarh	11	2941	2427	1233	6601
Surguja	17	6084	1441	1804	9329
Korea	17	8590	34	2412	11036
Korba	18	4298	3885	5214	13397
Surajpur	1	--	152	11	163
TOTAL: CHATTISGARH	66	22372	7939	10774	41085
JHARKHAND					
Deoghar	2	--	679	844	1523
Dhanbad	94	35430	12275	15242	62947
Giridih	3	--	336	404	740
Godda	1	--	1015	1327	2342
Hazaribagh	37	5077	5542	6516	17135
Palamau	4	--	510	486	996
Ranchi	6	304	1428	1615	3347
Sahibganj	1	--	32	46	78
Bokaro	22	4001	6293	4190	14484
Pakur	1	--	552	1715	2267
Chatra	3	406	1182	1104	2692
Latehar	1	--	23	52	75
Ramgarh	2	--	818	165	983
TOTAL: JHARKHAND	177	45218	30685	33706	109609
JAMMU & KASHMIR					
Rajauri	2	408	--	127	535
Udhampur	1	120	--	34	154
TOTAL: JAMMU & KASHMIR	3	528	--	161	689
MADHYA PRADESH					
Narsipur	1	--	174	253	427
Betul	9	4891	--	828	5719
Chhindwara	24	6614	327	1655	8596
Shahdol	27	13216	676	6192	20084
Sidhi	4	--	6622	6917	13539
Umaria	8	3164	76	922	4162
Anuppur	2	784	376	242	1402
Singrauli	3	--	1219	748	1967
TOTAL: MADHYA PRADESH	78	28669	9470	17757	55896

STATEMENT No. 1.7(Cont.)

STATE/DISTRICT	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
<hr/>					
MAHARASHTRA					
Chandrapur	31	5588	5139	9139	19866
Nagpur	13	4711	1177	2283	8171
Yavatmal	13	740	2306	2319	5365
TOTAL: MAHARASHTRA	57	11039	8622	13741	33402
<hr/>					
ORISSA					
Angul	13	2199	7048	5738	14985
Sambalpur	1	--	154	192	346
Sundergarh	2	--	1347	1083	2430
Jharsuguda	11	3271	3387	2209	8867
TOTAL: ORISSA	27	5470	11936	9222	26628
<hr/>					
UTTAR PRADESH					
Sonebhadra	5	--	5145	4883	10028
WEST BENGAL					
Bankura	4	542	525	655	1722
Birbhum	3	7	199	51	257
Burdwan	98	38031	4069	17266	59366
Purulia	2	1332	--	510	1842
TOTAL: WEST BENGAL	107	39912	4793	18482	63187
<hr/>					
ALL INDIA : COAL	586	201684	92702	119995	414381
<hr/>					
2. LIGNITE					
GUJARAT					
Bharuch	3	--	1268	304	1572
Bhavanagar	2	--	250	248	498
Kutch	2	--	806	411	1217
Surat	3	--	531	89	620
TOTAL: GUJARAT	10	--	2855	1052	3907
<hr/>					
RAJASTHAN					
Barmer	3	--	862	626	1488
Bikaner	3	--	491	31	522
Nagaur	1	--	78	28	106
TOTAL: RAJASTHAN	7	--	1431	685	2116
<hr/>					
TAMILNADU					
Cuddalore	2	--	7487	3264	10751
ALL INDIA : LIGNITE	19	--	11773	5001	16774
<hr/>					
ALL INDIA :	605	201684	104475	124996	431155
<hr/>					

STATEMENT NO.1.8
TREND IN OUTPUT OF COAL

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

* -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, 2013

(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										
ANDHRA PRADESH										
Adilabad	22	16266	9983566	--	--	120	--	9958326	41386	18467161
Karimnagar	19	588672	25505996	1767492	--	38260	--	26767657	625995	44935025
Khammam	12	256012	20950640	110679	--	--	--	20753219	564112	63558947
Warangal	7	13757	2226824	--	--	108	--	2167933	72540	6243079
TOTAL : ANDHRA PRADESH	60	874707	58667026	1878171	--	38488	--	59647135	1304033	133204212
ARUNACHAL PRADESH										
Chaglong	1	--	--	--	--	--	--	--	--	--
ASSAM										
Tinsukia	5	57788	465264	34648	--	17	34649	483090	39944	497370
CHATTISGARH										
Bilaspur	2	32885	164440	--	--	58	105870	47714	43683	164440
Raigarh	11	6576791	21301222	302767	--	420	--	20674756	7505604	21617189
Suriguja	17	320167	6585305	2133383	--	2308	1970810	6466881	598856	17509868
Korea	17	100328	4214371	1323295	--	7213	1778887	3756730	95164	13011495
Korba	18	2436824	87820671	985400	--	517	805317	88217389	2219672	102697691
Surajpur	1	38682	1021995	--	--	--	--	730045	330632	1664873
TOTAL : CHATTISGARH	66	9505677	121108004	4744845	--	10516	4660884	119893515	10793611	156665556
JHARKHAND										
Deoghar	2	--	--	--	--	--	--	--	--	--
Dhanbad	94	6392408	27189350	2557160	--	86949	2692437	27473320	5621002	37820009
Giridih	3	84288	588397	232226	--	240	232791	600387	71493	588397
Godda	1	383807	14419423	2763	--	1294	--	14415836	388863	14419423
Hazaribagh	37	2614704	14545210	1680907	--	238090	1940606	10367824	6294301	18593392
Palamau	4	557206	1070008	--	--	--	--	1508099	119115	1070008
Ranchi	6	2250077	6052986	2909712	--	--	--	8805644	2507131	33822955
Sahebganj	1	49786	142473	--	--	73	2763	13247	176176	142473
Bokaro	22	1401226	14472116	2137571	--	3758	1335527	14404057	2267571	15394271
Pakur	1	164248	381692	--	--	--	--	377327	168613	550305
Chatra	3	2191346	20105612	--	--	96	2683770	18228795	1384297	20105612
Latehar	1	2	--	--	--	--	--	--	2	--
Ramgarh	2	827888	1149842	--	--	--	--	1114100	863630	1318042
TOTAL : JHARKHAND	177	16916986	100117109	9520339	--	330500	8887894	97308636	19862194	143824887
JAMMU & KASHMIR										
Rajaouri	2	3546	19278	--	--	120	--	15049	7655	45093
Udhampur	1	1248	3086	--	--	48	--	2600	1686	3086
TOTAL : JAMMU & KASHMIR	3	4794	22364	--	--	168	--	17649	9341	48179

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
MADHYA PRADESH										
Narsipur	1	4081	297787	--	--	365	17548	283140	815	340733
Betul	9	63050	3412920	--	--	384	--	3443992	31594	4417191
Chhindwara	24	234772	3191838	596211	--	2979	999346	2921072	99424	52651861
Shahdol	27	216276	11842202	5190137	--	3755	3918357	12921401	405102	20928454
Sidhi	4	4853571	34922000	173673	--	--	--	35985969	3963275	35848632
Umaria	8	81836	1233422	1445953	--	683	711740	1930873	117915	2256664
Anuppur	2	88166	1583823	--	--	180	1254662	282601	134546	3818460
Singrauli	3	551715	5569332	9131	--	--	--	5928118	202060	9086852
TOTAL : MADHYA PRADESH	78	6093467	62053324	7415105	--	8346	6901653	63697166	4954731	129348847
MAHARASHTRA										
Chandrapur	31	582225	21309870	5155630	--	2260	4441361	21561273	1042831	39229125
Nagpur	13	1821356	7085785	2754379	--	640	1130515	9371053	1159312	8035156
Yavatmal	13	2392843	11409412	--	--	120	--	11837646	1953701	11661481
TOTAL : MAHARASHTRA	57	4796424	39805067	7910009	--	3020	5571876	42769972	4155844	58925762
ORISSA										
Angul	13	4926838	62876482	18357641	--	4651	18357512	65329979	2468819	171881726
Sambalpur	1	109521	2329800	--	--	--	--	2305464	133857	7400000
Sundergarh	2	7457300	10260907	2920007	--	--	--	14186738	6451476	10260907
Jharsuguda	11	2976635	27937786	4590956	--	380	4590956	29936923	977118	27591158
TOTAL : ORISSA	27	15470294	103404975	25868604	--	5031	22948468	111759104	10031270	217133791
UTTAR PRADESH										
Sonebhadra	5	783238	32093332	683014	--	--	5022565	27014941	1522078	33855876
WEST BENGAL										
Bankura	4	50596	2552747	--	--	828	80766	2498232	23517	4617732
Birbhum	3	17383	183871	--	--	76	--	176386	24792	436782
Burdwan	98	2149982	24437060	4583822	--	276278	3060721	26267466	1566399	42910281
Purulia	2	13781	133999	49311	--	428	49311	141703	5649	480400
TOTAL : WEST BENGAL	107	2231742	27307677	4633133	--	277610	3190798	29083787	1620357	48445195
ALL INDIA : COAL	586	56735117	545044142	62687868	--	673696	57218787	551674995	54293403	921949675
2. LIGNITE										
GUJARAT										
Bharuch	3	--	743546	--	--	--	--	743546	--	76498276
Bhavanagar	2	12255	1388474	--	--	--	--	1356125	44604	1685497
Kutch	2	--	5562551	--	--	--	--	5562551	--	5989683
Surat	3	51195	4058260	--	--	--	--	4055595	53860	5111894
TOTAL : GUJARAT	10	63450	11752831	--	--	--	--	11717817	98464	89285350

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
RAJASTHAN										
Barmer	3	39842	5770512	--	--	--	--	5807796	2558	5962346
Bikaner	3	--	1528464	--	--	--	--	1528464	--	1049226
Nagaur	1	--	157416	--	--	--	--	157416	--	262100
TOTAL : RAJASTHAN	7	39842	7456392	--	--	--	--	7493676	2558	7273672
TAMILNADU										
Cuddalore	2	284886	25260185	366484	--	--	--	11541223	594850	19013713
ALL INDIA : LIGNITE	19	388178	44469408	366484	--	--	--	30752716	695872	115572735
ALL INDIA : All COAL	605	57123295	589513550	63054352	--	673696	57218787	582427711	54989275	1037522410

* : 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, 2013 - OWNERWISE

(IN TONNES)

OWNER	NUMBER OF	OPENING STOCK	RAISING	RECEIPT/ SURPLUS/ DESPATCH	COAL USED FOR COKE MAKING	COLLIERY CONSUMPTION	TRANSFER/ SHORTAGE/ REJECTION	DESPATCH	CLOSING STOCK	VALUE OF COAL RAISED (IN '000 Rs)
1	2	3	4	5	6	7	8	9	10	11
BCCL	76	6287055	24624754	2555166	--	81417	2687767	25189441	5243140	34390924
CCL	67	9695208	50370693	6960416	--	241110	6192694	51481952	9210561	82337452
ECL	115	1932671	35634904	4637890	--	284509	3198231	36586165	2136560	53841652
MCL	26	15360773	101075175	25868604	--	5031	22948468	109453640	9897413	209733791
NCL	10	6094070	71685332	856687	--	--	5022565	67926311	5687213	77891974
NEC	5	57788	465264	34648	--	17	34649	483090	39944	497370
SECL	94	3537997	119068383	11380935	--	14714	9627402	119984448	4360751	165745314
WCL	85	5035651	41446875	8506220	--	6383	6571222	44270396	4140745	111031864
CIL	478	48001213	444371380	60800566	--	633181	56282998	455375443	40716327	735470341
JSMDC	1	2	--	--	--	--	--	--	2	--
DVC	1	--	79540	--	--	332	--	59555	19653	79540
GMDC	6	--	8576237	--	--	--	--	8576237	--	10777081
IISCO	4	6916	809511	--	--	--	--	808986	7441	1264747
J&K Min.	3	4794	22364	--	--	168	--	17649	9341	48179
NLC	4	284886	26788649	366484	--	--	--	13069687	594850	20062939
SCCL	60	874707	58667026	1878171	--	38488	--	59647135	1304033	133204212
TISCO	9	3534	7085104	--	--	742	--	3033850	4054046	7844448
RSMDC	1	--	767754	--	--	--	--	767754	--	810000
PIL	1	59	1005220	--	--	--	--	1002248	3031	1005220
GTPCL	3	51195	2962607	--	--	--	--	2959942	53860	78036732
GHCL	1	12255	213987	--	--	--	--	181638	44604	471537
JSPL	2	6235809	6029407	--	--	--	--	5895507	6369709	6029407
BENGALEMTA	3	38789	2550267	--	--	--	--	2568795	20261	4665207
APMDTC	1	--	--	--	--	--	--	--	--	--
BLAI	1	4081	297787	--	--	365	17548	283140	815	340733
ICML	1	878659	2575775	--	--	--	--	3192666	261768	1735873
INDAL	1	109521	2329800	--	--	--	--	2305464	133857	7400000
MIL	1	949	880045	--	--	300	--	879474	1220	880045
CTL	1	19700	--	--	--	--	--	--	19700	--
RSMML	2	--	638234	--	--	--	--	638234	--	1095100
PCML	1	164248	381692	--	--	--	--	377327	168613	550305
JNL	1	27418	381471	--	--	120	--	400310	8459	381471
RASL	2	10066	3581109	--	--	--	--	3525722	65453	3581109
SISCL	1	27675	179150	--	--	--	--	191614	15211	179150
SECL	1	80838	1245932	--	--	--	918241	282601	125928	2470684
ELCALTD	1	73646	396530	--	--	--	--	186427	283749	578933
VSLPPL	1	--	--	--	--	--	--	--	--	--
WBMD&TCL	1	34154	497137	--	--	--	--	510349	20942	2562122
UML	1	2071	728292	--	--	--	--	694329	36034	728292
DVC EMTA	2	22141	4082487	--	--	--	--	4039094	65534	4082487
SEML	2	10788	--	--	--	--	--	--	--	--
MSMCL	1	--	200	--	--	--	--	--	200	254
JAL	1	--	--	--	--	--	--	--	--	--
SPL	1	94454	899132	9131	--	--	--	1002717	--	899132
BLMCL	1	39842	4521940	--	--	--	--	4559224	2558	4319346
JPL	1	8885	5967784	--	--	--	--	5394593	582076	5967784
NTPC	1	--	--	--	--	--	--	--	--	--
ALL INDIA : ALL COAL	605	57123295	589513550	63054352	--	673696	57218787	582427711	54989275	1037522410

STATEMENT NO. 1.11

**PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2013
(IN TONNES)**

STATE/DISTRICT	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K					
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL			
		SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS CAVING/ FINAL STOWING	OPERATION				
1	2	3	4	5	6	7	8	9	10		
ANDHRA PRADESH											
Adilabad	4665188	760106	1045433	2859649	--	1288454	3376734	--	--		
Karimnagar	12688710	--	2126152	10562558	--	3709443	8979267	--	--		
Khammam	1778293	--	--	1778293	--	434803	1343490	--	--		
Warangal	1280878	--	--	898788	--	603116	677762	--	--		
TOTAL : ANDHRA PRADESH	20413069	760106	3171585	16099288	--	6035816	14377253	--	--		
ASSAM											
Tinsukia	2776	--	--	2776	--	2776	--	--	--		
CHATTISGARH											
Bilaspur	164440	164440	--	--	--	164440	--	--	--		
Raigarh	1467609	--	--	1467609	--	196522	1271087	--	--		
Surguja	2898464	226850	--	2671614	--	1631773	1266691	--	--		
Korea	4214371	120539	1566601	2527231	--	1174680	3039691	--	--		
Korba	1918292	775845	94930	1047517	--	1224353	693939	--	--		
TOTAL : CHATTISGARH	10663176	1287674	1661531	7713971	--	4391768	6271408	--	--		
JHARKHAND											
Dhanbad	6111956	479532	498964	5133460	--	3635333	2476623	--	--		
Hazaribagh	651694	--	--	651694	--	376392	275302	--	--		
Palamau	--	--	--	--	--	--	--	--	--		
Ranchi	23245	--	--	23245	--	23245	--	--	--		
Bokaro	782649	--	396530	386119	--	322292	460357	--	--		
Pakur	--	--	--	--	--	--	--	--	--		
Chatra	69110	--	--	69110	--	69110	--	--	--		
Latehar	--	--	--	--	--	--	--	--	--		
Ramgarh	--	--	--	--	--	--	--	--	--		
TOTAL : JHARKHAND	7638654	479532	895494	6263628	--	4426372	3212282	--	--		

STATE/DISTRICT	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K			
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL	
				SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING, CAVING/ STOWING	SPLITT- ING AS FINAL OPERATION	
1	2	3	4	5	6	7	8	9	10
JAMMU & KASHMIR									
Rajauri	19278	--	--	19278	--	19278	--	--	--
Udhampur	3086	--	--	3086	--	3086	--	--	--
TOTAL : JAMMU & KASHMIR	22364	--	--	22364	--	22364	--	--	--
MADHYA PRADESH									
Betul	3412920	126697	--	3286223	--	1416382	1996538	--	--
Chhindwara	2052048	--	569020	1483028	--	332304	1719744	--	--
Shahdol	6154952	--	680739	5474213	--	3218720	2936232	--	--
Sidhi	--	--	--	--	--	--	--	--	--
Umaria	1233422	--	--	1233422	--	550303	683119	--	--
Anuppur	337891	--	--	337891	--	--	337891	--	--
TOTAL : MADHYA PRADESH	13191233	126697	1249759	11814777	--	5517709	7673524	--	--
MAHARASHTRA									
Chandrapur	1315722	184250	--	1131472	--	592369	723353	--	--
Nagpur	1784091	371764	--	1412327	--	709137	1074954	--	--
Yavatmal	287987	--	--	287987	--	287987	--	--	--
TOTAL : MAHARASHTRA	3387800	556014	--	2831786	--	1589493	1798307	--	--
ORISSA									
Angul	275848	--	--	275848	--	163890	111958	--	--
Sundergarh	--	--	--	--	--	--	--	--	--
Jharsuguda	1483778	--	296142	1187636	--	1198996	284782	--	--
TOTAL : ORISSA	1759626	--	296142	1463484	--	1362886	396740	--	--
UTTAR PRADESH									
Sonebhadra	--	--	--	--	--	--	--	--	--
WEST BENGAL									
Bankura	96582	--	96582	--	--	38633	57949	--	--
Burdwan	7436841	2317677	164348	4857677	97139	2696152	4740689	--	--
Purulia	133999	--	--	133999	--	133999	--	--	--
TOTAL : WEST BENGAL	7667422	2317677	260930	4991676	97139	2868784	4798638	--	--

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	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--
TAMILNADU									
Cuddalore	--	--	--	--	--	--	--	--	--
ALL INDIA : COAL :	64746120	5527700	7535441	51203750	97139	26217968	38528152	--	--

STATEMENT NO. 1.12

PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2013.

(IN TONNES)

OWNER	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K					
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL			
		SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS CAVING/ FINAL STOWING	OPERATION				
1	2	3	4	5	6	7	8	9	10		
BCCL	4116026	123521	135652	3856853	--	2603383	1512643	--	--		
CCL	1020004	--	--	1020004	--	680875	339129	--	--		
ECL	8178637	2410635	329657	5341206	97139	3351719	4826918	--	--		
MCL	1759626	--	296142	1463484	--	1362886	396740	--	--		
NCL	--	--	--	--	--	--	--	--	--		
NEC	2776	--	--	2776	--	2776	--	--	--		
SECL	17202312	1287674	2342270	13572368	--	8160791	9041521	--	--		
WCL	8673618	682711	569020	7421887	--	3159029	5514589	--	--		
 CIL	 40952999	 4504541	 3672741	 32678578	 97139	 19321459	 21631540	 --	 --		
JSMDC	--	--	--	--	--	--	--	--	--		
GMDC	--	--	--	--	--	--	--	--	--		
IISCO	179687	--	--	179687	--	98528	81159	--	--		
J&K Min.	22364	--	--	22364	--	22364	--	--	--		
NLC	--	--	--	--	--	--	--	--	--		
SCCL	20413069	760106	3171585	16099288	--	6035816	14377253	--	--		
TISCO	1415192	263053	294585	857554	--	560651	854541	--	--		
RSMDC	--	--	--	--	--	--	--	--	--		
PIL	--	--	--	--	--	--	--	--	--		
JSPL	--	--	--	--	--	--	--	--	--		
BECML	--	--	--	--	--	--	--	--	--		
ICML	--	--	--	--	--	--	--	--	--		
MIL	880045	--	--	880045	--	--	880045	--	--		
RSML	--	--	--	--	--	--	--	--	--		
PCML	--	--	--	--	--	--	--	--	--		
JNL	307084	--	--	307084	--	--	307084	--	--		
RASL	--	--	--	--	--	--	--	--	--		
SISCL	179150	--	--	179150	--	179150	--	--	--		
ELCALTD	396530	--	396530	--	--	--	396530	--	--		
WBMD&TCL	--	--	--	--	--	--	--	--	--		
JPL	--	--	--	--	--	--	--	--	--		
 ALL INDIA : COAL	 64746120	 5527700	 7535441	 51203750	 97139	 26217968	 38528152	 --	 --		

STATEMENT NO. 1.13

PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION AND OVERBURDEN REMOVED DURING THE YEAR, 2013

(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					
ANDHRA PRADESH					
Adilabad	5318378	5318378	--	--	17821
Karimnagar	12817286	12817286	--	--	57425
Khammam	19172347	19172347	--	--	46711
Warangal	945946	945946	--	--	--
TOTAL : ANDHRA PRADESH	38253957	38253957	--	--	121957
ASSAM					
Tinsukia	462488	462488	--	--	17469
CHATTISGARH					
Raigarh	19833613	19833613	--	--	8194
Surguja	3686841	3686841	--	--	6634
Korba	85902379	85902379	--	--	28783
Surajpur	1021995	1021995	--	--	5402
TOTAL : CHATTISGARH	110444828	110444828	--	--	49013
JHARKHAND					
Dhanbad	21077394	21077394	--	--	42431
Giridih	588397	588397	--	--	1530
Godda	14419423	14419423	--	--	--
Hazaribagh	13893516	13893516	--	--	38801
Palamau	1070008	1070008	--	--	97
Ranchi	6029741	6029741	--	--	2534
Sahebganj	142473	142473	--	--	566
Bokaro	13689467	13689467	--	--	18943
Pakur	381692	381692	--	--	--
Chatra	20036502	20036502	--	--	6114
Ramgarh	1149842	1149842	--	--	9419
TOTAL : JHARKHAND	92478455	92478455	--	--	120435
MADHYA PRADESH					
Narsigpur	297787	297787	--	--	1073
Chhindwara	1139790	1139790	--	--	23147
Shahdol	5687250	5687250	--	--	20417
Sidhi	34922000	34922000	--	--	108905
Umaria	--	--	--	--	--
Anuppur	1245932	1245932	--	--	5592
Singrauli	5569332	5569332	--	--	39655
TOTAL : MADHYA PRADESH	48862091	48862091	--	--	198789
MAHARASHTRA					
Chandrapur	19994148	19994148	--	--	68272
Nagpur	5301694	5301694	--	--	7318
Yavatmal	11121425	11121425	--	--	25722
TOTAL : MAHARASHTRA	36417267	36417267	--	--	101312
ORISSA					
Angul	62600634	62600634	--	--	46917
Sambalpur	2329800	2329800	--	--	2103
Sundergarh	10260907	10260907	--	--	4337
Jharsuguda	26454008	26454008	--	--	31976
TOTAL : ORISSA	101645349	101645349	--	--	85333

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
UTTAR PRADESH					
Sonebhadra	32093332	32093332	--	--	78091
WEST BENGAL					
Bankura	2456165	2456165	--	--	14516
Birbhum	183871	183871	--	--	2943
Burdwan	17000219	17000219	--	--	38280
TOTAL : WEST BENGAL	19640255	19640255	--	--	55739
ALL INDIA : COAL	480298022	480298022	--	--	828138
2. LIGNITE					
GUJARAT					
Bharuch	743546	743546	--	--	7627
Bhavanagar	1388474	1388474	--	--	130
Kutch	5562551	5562551	--	--	9564
Surat	4058260	4058260	--	--	15294
TOTAL : GUJARAT	11752831	11752831	--	--	32615
RAJASTHAN					
Barmer	5770512	5770512	--	--	60573
Bikaner	1528464	1528464	--	--	--
Nagaur	157416	157416	--	--	2055
TOTAL : RAJASTHAN	7456392	7456392	--	--	62628
TAMILNADU					
Cuddalore	25260185	25260185	--	--	87525
ALL INDIA : LIGNITE	44469408	44469408	--	--	182768
ALL INDIA : ALL COAL	524767430	524767430	--	--	1010906

STATEMENT NO. 1.14
PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION AND OVERTBURDEN REMOVED DURING THE YEAR,
2013

(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
BCLL	20508728	20508728	--	--	40171
CCL	49350689	49350689	--	--	75220
ECL	27456267	27456267	--	--	31948
MCL	99315549	99315549	--	--	83230
NCL	71685332	71685332	--	--	201627
NEC	462488	462488	--	--	17469
SECL	101866071	101866071	--	--	68645
WCL	32773257	32773257	--	--	114144
 CIL	403418381	403418381	--	--	632454
DVC	79540	79540	--	--	--
GMDC	8576237	8576237	--	--	9677
IISCO	629824	629824	--	--	3246
NLC	26788649	26788649	--	--	87525
SCCL	38253957	38253957	--	--	121957
TISCO	5669912	5669912	--	--	--
RSMDC	767754	767754	--	--	6824
PIL	1005220	1005220	--	--	--
GIPCL	2962607	2962607	--	--	22921
GHCL	213987	213987	--	--	17
JSPL	6029407	6029407	--	--	103
BENGALEMTA	2550267	2550267	--	--	12957
BLAI	297787	297787	--	--	1073
ICML	2575775	2575775	--	--	7164
INDAL	2329800	2329800	--	--	2103
RSMML	638234	638234	--	--	12887
PCML	381692	381692	--	--	--
JNL	74387	74387	--	--	682
RASL	3581109	3581109	--	--	5158
SISCL	5967784	5967784	--	--	--
SECL	1245932	1245932	--	--	5592
WBMD&TCL	497137	497137	--	--	--
UML	728292	728292	--	--	--
DVC EMTA	4082487	4082487	--	--	10625
MSMCL	200	200	--	--	--
SPL	899132	899132	--	--	25024
BLMCL	4521940	4521940	--	--	42917
 ALL INDIA : All COAL	524767430	524767430	--	--	1010906

STATEMENT NO. 1.15

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2013 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		
		2	3	4	5	6	7	8	9	10	11	12	13	14	
BCCL	26	2	3	8	5	4	6	4	1	6	3	5	3	76	
CCL	14	--	5	7	6	1	4	1	2	9	7	3	8	67	
ECL	16	3	17	23	16	13	9	4	2	3	4	2	3	115	
MCL	3	--	--	1	1	1	--	1	1	4	--	1	13	26	
NCL	--	--	--	--	--	--	--	--	--	--	--	1	9	10	
NEC	1	1	1	--	--	1	--	--	--	1	--	--	--	5	
SECL	12	--	2	1	5	4	19	7	5	22	5	5	7	94	
WCL	7	2	2	5	4	6	7	11	2	17	7	10	5	85	
CIL	79	8	30	45	37	30	45	28	13	62	26	27	48	478	
JSMDC	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
DVC	--	--	--	--	1	--	--	--	--	--	--	--	--	1	
GMDC	1	--	--	--	--	--	--	--	--	--	1	2	2	6	
IISCO	--	--	--	1	1	1	--	--	--	1	--	--	--	4	
J&K Min.	--	1	2	--	--	--	--	--	--	--	--	--	--	3	
NLC	1	--	--	--	--	--	--	--	--	--	--	--	3	4	
SCCL	6	1	--	--	2	1	8	3	4	14	8	2	11	60	
TISCO	2	--	--	--	--	--	--	--	3	2	--	--	2	9	
RSMDC	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
PIL	--	--	--	--	--	--	--	--	--	--	--	1	--	1	
GIPCL	--	--	--	--	--	1	--	--	--	1	--	--	1	3	
GHCL	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
JSPL	1	--	--	--	--	--	--	--	--	--	--	--	1	2	
BENGALEMATA	--	--	--	--	1	1	--	--	--	--	--	--	1	3	
APMDTC	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
BLAI	--	--	--	--	--	--	--	1	--	--	--	--	--	1	
ICML	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
INDAL	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
MIL	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
CTL	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
RSMLM	--	--	--	--	--	--	1	--	--	1	--	--	--	2	
PCML	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
JNL	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
RASL	--	--	--	--	--	--	--	--	--	--	1	--	1	2	
SISCL	--	--	--	--	--	--	1	--	--	--	--	--	--	1	
SECL	--	--	--	--	--	--	--	--	--	--	1	--	--	1	
ELCALTD	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
VSLPPL	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
WBMD&TCL	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
UML	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	2	2	
SEML	2	--	--	--	--	--	--	--	--	--	--	--	--	2	
MSMCL	--	1	--	--	--	--	--	--	--	--	--	--	--	1	
JAL	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
SPL	--	--	--	--	--	--	--	--	--	1	--	--	--	1	
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
JPL	--	--	--	--	--	--	--	--	--	--	--	--	1	1	
NTPC	1	--	--	--	--	--	--	--	--	--	--	--	--	1	
ALL INDIA	98	11	32	46	42	34	55	32	21	85	39	34	76	605	

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, 2013.

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
ANDHRA PRADESH									
Adilabad	B	16	15327	--	1230	16557	4665188	--	4665188
	O	6	--	1741	118	1859	--	5318378	5318378
Karimnagar	B	14	16472	--	1377	17849	12688710	--	12688710
	O	5	--	4866	1995	6861	--	12817286	12817286
Khammam	B	6	3430	--	566	3996	1778293	--	1778293
	O	6	--	3864	2619	6483	--	19172347	19172347
Warangal	B	5	4572	--	394	4966	1280878	--	1280878
	O	1	--	225	9	234	--	945946	945946
	BO	1	18	289	2	309	--	--	--
TOTAL : ANDHRA PRADESH	B	41	39801	--	3567	43368	20413069	--	20413069
	O	18	--	10696	4741	15437	--	38253957	38253957
	BO	1	18	289	2	309	--	--	--
ARUNACHAL PRADE									
Chaglong	O	1	--	18	390	408	--	--	--
ASSAM									
Tinsukia	B	2	432	--	168	600	2776	--	2776
	O	3	--	658	410	1068	--	462488	462488
CHATTISGARH									
Bilaspur	B	2	383	--	83	466	164440	--	164440
Raigarh	B	3	1983	--	333	2316	1160525	--	1160525
	O	7	--	1907	573	2480	--	19759226	19759226
	BO	1	522	116	110	748	307084	74387	381471
Surguja	B	10	4405	--	688	5093	2597559	--	2597559
	O	6	--	975	631	1606	--	3630841	3630841
	BO	1	690	224	188	1102	300905	56000	356905
Korea	B	16	7161	--	1869	9030	4214371	--	4214371
	O	1	--	28	141	169	--	--	--
Korba	B	12	3582	--	639	4221	1918292	--	1918292
	O	6	--	3237	3706	6943	--	85902379	85902379
Surajpur	O	1	--	127	9	136	--	1021995	1021995
TOTAL : CHATTISGARH	B	43	17514	--	3612	21126	10055187	--	10055187
	O	21	--	6274	5060	11334	--	110314441	110314441
	BO	2	1212	340	298	1850	607989	130387	738376

STATEMENT NO. 1.16(Cont..)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
GUJARAT									
Bharuch	O	3	--	1057	253	1310	--	743546	743546
Bhavanagar	O	2	--	208	206	414	--	1388474	1388474
Kutch	O	2	--	671	343	1014	--	5562551	5562551
Surat	O	3	--	443	74	517	--	4058260	4058260
TOTAL : GUJARAT	O	10	--	2379	876	3255	--	11752831	11752831
JHARKHAND									
Deoghar	O	2	--	566	703	1269	--	--	--
Dhanbad	B	51	21182	--	6214	27396	4404290	--	4404290
	O	21	--	4359	3412	7771	--	10354578	10354578
	BO	22	8336	5882	3073	17291	1707666	10722816	12430482
Giridih	O	3	--	280	337	617	--	588397	588397
Godda	O	1	--	846	1106	1952	--	14419423	14419423
Hazaribagh	B	14	3560	--	1004	4564	579982	--	579982
	O	20	--	4177	3990	8167	--	12907130	12907130
	BO	3	670	454	350	1474	71712	986386	1058098
Palamau	O	4	--	428	405	833	--	1070008	1070008
Ranchi	B	1	253	--	144	397	23245	--	23245
	O	5	--	1225	1268	2493	--	6029741	6029741
Sahibganj	O	1	--	27	13	40	--	142473	142473
Bokaro	B	7	2297	--	632	2929	275955	--	275955
	O	12	--	4525	2428	6953	--	12434961	12434961
	BO	3	1002	718	413	2133	506694	1254506	1761200
Pakur	O	1	--	460	1429	1889	--	381692	381692
Chatra	B	1	338	--	147	485	69110	--	69110
	O	2	--	985	774	1759	--	20036502	20036502
Latehar	O	1	--	19	43	62	--	--	--
Ramgarh	O	2	--	681	137	818	--	1149842	1149842
TOTAL : JHARKHAND	B	74	27630	--	8141	35771	5352582	--	5352582
	O	75	--	18578	16045	34623	--	79514747	79514747
	BO	28	10008	7054	3836	20898	2286072	12963708	15249780
JAMMU & KASHMIR									
Rajauri	B	2	340	--	106	446	19278	--	19278
Udhampur	B	1	100	--	28	128	3086	--	3086
TOTAL : JAMMU & KASHMIR	B	3	440	--	134	574	22364	--	22364

STATEMENT NO. 1.16(Cont..)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
MADHYA PRADESH									
Narsigpur	O	1	--	145	211	356	--	297787	297787
Betul	B	9	4077	--	691	4768	3412920	--	3412920
Chhindwara	B	17	5028	--	1125	6153	1874303	--	1874303
	O	6	--	261	131	392	--	972240	972240
	BO	1	448	12	114	574	177745	167550	345295
Shahdol	B	21	10780	--	2836	13616	6154952	--	6154952
	O	6	--	563	2272	2835	--	5687250	5687250
Sidhi	O	4	--	5518	5764	11282	--	34922000	34922000
Umaria	B	7	2636	--	746	3382	1233422	--	1233422
	O	1	--	63	22	85	--	--	--
Anuppur	B	1	653	--	125	778	337891	--	337891
	O	1	--	313	77	390	--	1245932	1245932
Singrauli	O	3	--	1016	624	1640	--	5569332	5569332
TOTAL : MADHYA PRADESH									
	B	55	23174	--	5523	28697	13013488	--	13013488
	O	22	--	7879	9101	16980	--	48694541	48694541
	BO	1	448	12	114	574	177745	167550	345295
MAHARASHTRA									
Chandrapur	B	12	4656	--	1656	6312	1315722	--	1315722
	O	19	--	4235	5960	10195	--	19994148	19994148
Nagpur	B	8	3887	--	809	4696	1784091	--	1784091
	O	5	--	980	1105	2085	--	5301694	5301694
Yavatmal	B	2	617	--	200	817	287987	--	287987
	O	11	--	1918	1733	3651	--	11121425	11121425
TOTAL : MAHARASHTRA									
	B	22	9160	--	2665	11825	3387800	--	3387800
	O	35	--	7133	8798	15931	--	36417267	36417267
ORISSA									
Angul	B	4	1832	--	685	2517	275848	--	275848
	O	9	--	5874	4097	9971	--	62600634	62600634
Sambalpur	O	1	--	128	160	288	--	2329800	2329800
Sundergarh	O	2	--	1123	152	1275	--	10260907	10260907
Jharsuguda	B	6	2726	--	636	3362	1483778	--	1483778
	O	5	--	2822	1206	4028	--	26454008	26454008
TOTAL : ORISSA									
	B	10	4558	--	1321	5879	1759626	--	1759626
	O	17	--	9947	5615	15562	--	101645349	101645349

STATEMENT NO. 1.16(Cont..)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
RAJASTHAN									
Barmer	O	3	--	718	521	1239	--	5770512	5770512
Bikaner	O	3	--	409	26	435	--	1528464	1528464
Nagaur	O	1	--	65	23	88	--	157416	157416
TOTAL : RAJASTHAN	O	7	--	1192	570	1762	--	7456392	7456392
TAMILNADU									
Cuddalore	O	2	--	6239	2720	8959	--	25260185	25260185
UTTAR PRADESH									
Sonebhadra	O	5	--	4288	4069	8357	--	32093332	32093332
WEST BENGAL									
Bankura	B	1	452	--	157	609	96582	--	96582
	O	3	--	437	389	826	--	2456165	2456165
Birbhum	B	1	6	--	26	32	--	--	--
	O	2	--	166	14	180	--	183871	183871
Burdwan	B	75	29577	--	10598	40175	7048011	--	7048011
	O	16	--	2492	1950	4442	--	13396340	13396340
Purulia	BO	7	2207	899	1868	4974	388830	3603879	3992709
	B	2	1110	--	425	1535	133999	--	133999
TOTAL : WEST BENGAL	B	79	31145	--	11206	42351	7278592	--	7278592
	O	21	--	3095	2353	5448	--	16036376	16036376
	BO	7	2207	899	1868	4974	388830	3603879	3992709
ALL INDIA : ALL COAL									
	B	329	153854	--	36337	190191	61285484	--	61285484
	O	237	--	78376	60748	139124	--	507901906	507901906
	BO	39	13893	8594	6118	28605	3460636	16865524	20326160
ALL INDIA :	ALL	605	167747	86970	103203	357920	64746120	524767430	589513550

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, 2013 : OWNERWISE

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
BCCL	B	39	13709	--	4819	18528	2445815	--	2445815
	O	17	--	3937	3174	7111	--	9724080	9724080
	BO	20	8041	5692	2873	16606	1670211	10784648	12454859
CCL	B	22	6448	--	1927	8375	948292	--	948292
	O	41	--	10669	8647	19316	--	47738837	47738837
	BO	4	685	896	505	2086	71712	1611852	1683564
ECL	B	85	33340	--	12169	45509	7769163	--	7769163
	O	22	--	3298	3590	6888	--	23824370	23824370
	BO	8	2299	882	1716	4897	409474	3631897	4041371
MCL	B	10	4558	--	1321	5879	1759626	--	1759626
	O	16	--	9819	5455	15274	--	99315549	99315549
NCL	O	10	--	10276	10275	20551	--	71685332	71685332
NEC	B	2	432	--	168	600	2776	--	2776
	O	3	--	658	410	1068	--	462488	462488
SECL	B	71	30149	--	7065	37214	16901407	--	16901407
	O	22	--	5126	6924	12050	--	101810071	101810071
	BO	1	690	224	188	1102	300905	56000	356905
WCL	B	46	17904	--	4435	22339	8495873	--	8495873
	O	38	--	6606	8830	15436	--	32605707	32605707
	BO	1	448	12	114	574	177745	167550	345295
CIL	B	275	106540	--	31904	138444	38322952	--	38322952
	O	169	--	50389	47305	97694	--	387166434	387166434
	BO	34	12163	7706	5396	25265	2630047	16251947	18881994
JSMDC	O	1	--	19	43	62	--	--	--
DVC	O	1	--	62	82	144	--	79540	79540
GMDC	O	6	--	1972	728	2700	--	8576237	8576237
IISCO	B	1	150	--	27	177	52712	--	52712
	O	1	--	69	2	71	--	90634	90634
	BO	2	702	445	497	1644	126975	539190	666165
J&K Min.	B	3	440	--	134	574	22364	--	22364

STATEMENT NO. 1.17(Cont..)

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
NLC	O	4	--	6541	2731	9272	--	26788649	26788649
SCCL	B	41	39801	--	3567	43368	20413069	--	20413069
	O	18	--	10696	4741	15437	--	38253957	38253957
	BO	1	18	289	2	309	--	--	--
TISCO	B	5	5128	--	405	5533	1415192	--	1415192
	O	4	--	1396	347	1743	--	5669912	5669912
RSMDC	O	1	--	97	43	140	--	767754	767754
PIL	O	1	--	189	57	246	--	1005220	1005220
GIPCL	O	3	--	393	85	478	--	2962607	2962607
GHCL	O	1	--	14	63	77	--	213987	213987
JSPL	O	2	--	765	332	1097	--	6029407	6029407
BECML	O	2	--	433	81	514	--	2469236	2469236
BENGALEMTA	O	1	--	59	4	63	--	81031	81031
APMDCL	O	1	--	18	390	408	--	--	--
BLAI	O	1	--	145	211	356	--	297787	297787
ICML	O	1	--	743	363	1106	--	2575775	2575775
INDAL	O	1	--	128	160	288	--	2329800	2329800
MIL	B	1	1434	--	254	1688	880045	--	880045
CTL	O	1	--	4	41	45	--	--	--
RSMML	O	2	--	168	56	224	--	638234	638234
PCML	O	1	--	460	1429	1889	--	381692	381692
JNL	BO	1	522	116	110	748	307084	74387	381471
RASL	O	2	--	501	65	566	--	3581109	3581109
SISCL	B	1	341	--	39	380	179150	--	179150
JPL	O	1	--	606	--	606	--	5967784	5967784
SEML	O	1	--	313	77	390	--	1245932	1245932

STATEMENT NO. 1.17(Cont..)

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
ELCALTD	BO	1	488	38	113	639	396530	--	396530
VSLPPL	O	1	--	107	15	122	--	--	--
WBMD&TCL	O	1	--	79	323	402	--	497137	497137
UML	O	1	--	170	222	392	--	728292	728292
KEMTA	O	1	--	352	40	392	--	2391900	2391900
DVC EMTA	O	1	--	275	50	325	--	1690587	1690587
SEML	O	1	--	104	21	125	--	--	--
BSIL	O	1	--	45	14	59	--	--	--
MSMCL	O	1	--	126	32	158	--	200	200
NTPC	B	1	--	--	--	--	--	--	--
JAL	B	1	20	--	7	27	--	--	--
SPL	O	1	--	420	150	570	--	899132	899132
BLMCL	O	1	--	518	445	963	--	4521940	4521940
ALL INDIA : OVER ALL	B	329	153854	--	36337	190191	61285484	--	61285484
	O	237	--	78376	60748	139124	--	507901906	507901906
	BO	39	13893	8594	6118	28605	3460636	16865524	20326160
ALL INDIA :	ALL	605	167747	86970	103203	357920	64746120	524767430	589513550

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, 2013.

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
	1	2	3	4	5	6	7
1. COAL						
ANDHRA PRADESH						
Adilabad	304	3055	542	1.01	11.26	1.83
Karimnagar	770	2634	1032	2.52	8.34	3.32
Khammam	518	4962	1999	1.70	14.86	6.24
Warangal	279	1840	404	0.92	5.79	1.33
TOTAL : ANDHRA PRADESH	513	3482	992	1.69	11.05	3.23
ARUNACHAL PRADESH						
Chaglong	--	0	0	--	0.00	0.00
ASSAM						
Tinsukia	6	703	279	0.02	2.28	0.90
CHATTISGARH						
Bilaspur	429	--	353	1.18	--	0.97
Raigarh	586	9804	3842	1.68	29.91	11.40
Surguja	569	3075	844	1.57	9.04	2.36
Korea	589	0	458	1.64	0.00	1.28
Korba	536	26538	7866	1.51	76.65	22.57
Surajpur	--	8047	7515	--	21.92	20.48
TOTAL : CHATTISGARH	569	16699	3530	1.59	49.13	10.05
JHARKHAND						
Deoghar	--	0	0	--	0.00	0.00
Dhanbad	207	2058	518	0.68	5.99	1.64
Giridih	--	2101	954	--	6.98	3.11
Godda	--	17044	7387	--	46.70	20.24
Hazaribagh	154	3000	1024	0.52	9.71	3.28
Palamau	--	2500	1285	--	8.13	4.26
Ranchi	92	4922	2094	0.30	13.50	5.90
Sahebganj	--	5277	3562	--	17.24	11.74
Bokaro	237	2611	1205	0.78	8.18	3.83
Pakur	--	830	202	--	2.72	0.66
Chatra	204	20342	8960	0.67	60.13	27.59
Latehar	--	0	0	--	0.00	0.00
Ramgarh	--	1688	1406	--	4.99	4.15
TOTAL : JHARKHAND	203	3608	1097	0.67	10.86	3.44
JAMMU & KASHMIR						
Rajauri	57	--	43	0.20	--	0.15
Udhampur	31	--	24	0.10	--	0.08
TOTAL : JAMMU & KASHMIR	51	--	39	0.17	--	0.13
MADHYA PRADESH						
Narsigpur	--	2054	836	--	6.69	2.73
Betul	837	--	716	2.51	--	2.16
Chhindwara	375	4175	448	1.36	13.43	1.62
Shahdol	571	10102	720	1.67	31.23	2.13
Sidhi	--	6329	3095	--	24.01	10.98
Umaria	468	0	356	1.35	0.00	1.04
Anuppur	517	3981	1356	1.42	10.91	3.71
Singrauli	--	5482	3396	--	18.25	11.22
TOTAL : MADHYA PRADESH	558	6192	1342	1.71	22.19	4.27
MAHARASHTRA						
Chandrapur	283	4721	1291	0.85	15.04	4.02
Nagpur	459	5410	1045	1.38	16.03	3.12
Yavatmal	467	5798	2554	1.30	17.26	7.68
TOTAL : MAHARASHTRA	370	5105	1434	1.11	15.80	4.39

STATEMENT NO. 1.18(Cont..)

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
	1	2	3	4	5	6	7
ORISSA						
Angul	151	10657	5035	0.48	31.20	15.34
Sambalpur	--	18202	8090	--	60.27	26.79
Sundergarh	--	9137	8048	--	27.46	24.27
Jharsuguda	544	9374	3780	1.78	26.34	11.36
TOTAL : ORISSA	386	10219	4823	1.25	29.69	14.63
UTTAR PRADESH						
Sonebhadra	--	7484	3840	--	24.70	12.14
WEST BENGAL						
Bankura	214	5621	1779	0.70	16.24	5.55
Birbhum	0	1108	867	0.00	3.21	2.57
Burdwan	234	5013	493	0.73	15.82	1.56
Purulia	121	--	87	0.39	--	0.29
TOTAL : WEST BENGAL	230	4917	517	0.72	15.31	1.64
ALL INDIA : COAL	386	6225	1585	1.21	19.25	4.95
2. LIGNITE						
GUJARAT						
Bharuch	--	703	568	--	2.29	1.85
Bhavanagar	--	6675	3354	--	18.59	10.21
Kutch	--	8290	5486	--	26.22	17.46
Surat	--	9161	7850	--	25.73	22.02
TOTAL : GUJARAT	--	4940	3611	--	15.27	11.28
RAJASTHAN						
Barmer	--	8037	4657	--	23.33	13.40
Bikaner	--	3737	3514	--	10.33	9.76
Nagaur	--	2422	1789	--	7.99	5.89
TOTAL : RAJASTHAN	--	6255	4232	--	17.97	12.15
TAMILNADU						
Cuddalore	--	4049	2820	--	12.79	9.01
ALL INDIA : LIGNITE	--	4533	3182	--	14.07	9.98
ALL INDIA : COAL & LIGNITE	386	6034	1647	1.21	18.67	5.15

STATEMENT NO. 1.19

PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2013 : 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	189	2130	583	0.62	6.18	1.83
CCL	143	4267	1692	0.48	13.25	5.31
ECL	229	6568	622	0.72	19.32	1.96
MCL	386	10115	4778	1.25	29.34	14.48
NCL	--	6976	3488	--	24.71	11.73
NEC	6	703	279	0.02	2.28	0.90
SECL	558	19040	2364	1.59	55.33	6.78
WCL	473	4952	1081	1.49	15.36	3.40
CIL	345	6944	1700	1.07	21.31	5.26
JSMDC	--	0	0	--	0.00	0.00
DVC	--	1283	552	--	4.28	1.80
GMDC	--	4349	3176	--	13.75	10.17
IISCO	211	1225	428	0.68	3.98	1.39
J&K Min.	51	--	39	0.17	--	0.13
NLC	--	4095	2889	--	12.85	9.19
SCCL	513	3482	992	1.69	11.05	3.23
TISCO	276	4062	974	0.92	12.97	3.21
RSMDC	--	7915	5484	--	25.92	17.97
PIL	--	5319	4086	--	17.38	13.48
GIPCL	--	7538	6198	--	20.99	17.24

STATEMENT NO. 1.19 (CONT...)

(IN TONNES)

OWNER	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
GHCL	--	15285	2779	--	43.94	7.94
JSPL	--	7882	5496	--	25.76	17.96
BECML	--	5703	4804	--	16.16	13.60
BENGALLEMTA	--	1373	1286	--	3.85	3.60
APMDCL	--	0	0	--	0.00	0.00
BLAI	--	2054	836	--	6.69	2.73
ICML	--	3467	2329	--	12.12	8.10
INDAL	--	18202	8090	--	60.27	26.79
MIL	614	--	521	1.70	--	1.45
CTL	--	0	0	--	0.00	0.00
RSMML	--	3799	2849	--	12.51	9.38
PCML	--	830	202	--	2.72	0.66
JNL	588	641	510	1.93	2.11	1.67
RASL	--	7148	6327	--	23.44	20.73
JPL	--	9848	9848	--	28.11	28.11
SISCL	525	--	471	1.71	--	1.54
SEML	--	3981	3195	--	10.91	8.74
ELCALTD	813	0	621	2.65	0.00	2.03
VSLPPL	--	0	0	--	0.00	0.00
WBMD&TCL	--	6293	1237	--	20.63	4.05
UML	--	4284	1858	--	14.03	6.31
KEMTA	--	6795	6102	--	20.06	17.99

STATEMENT NO. 1.19 (CONT...)

(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	--	6148	5202	--	17.22	14.58
SEML	--	0	0	--	0.00	0.00
BSIL	--	0	0	--	0.00	0.00
MSMCL	--	2	1	--	0.01	0.01
NTPC	--	--	--	--	--	--
JAL	0	--	0	0.00	--	0.00
SPL	--	2141	1577	--	7.08	5.22
BLMCL	--	8730	4696	--	24.26	13.05
ALL INDIA	386	6034	1647	1.21	18.67	5.15

STATEMENT NO. 1.20

REGIONWISE EMPLOYMENT AND OUTPUT IN COAL MINES DURING THE YEAR, 2013.

REGION/ZONE	NUMBER OF MINES	AVERAGE DAILY EMPLOYMENT			OUTPUT (IN TONNES)			
		BELOWGROUND	OPENCAST	ABOVEGROUND	OVERALL	BELOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7	8	9
Dhanbad I	58	14824	7840	7329	29993	2957712	18142082	21099794
Dhanbad II	20	6317	2410	3549	12276	1007652	3965435	4973087
Dhanbad III	23	9798	1641	2725	14164	2653286	4687380	7340666
Koderma	19	1878	4719	4012	10609	275955	22979784	23255739
Central Zone	120	32817	16610	17615	67042	6894605	49774681	56669286
Guwahati	6	432	676	968	2076	2776	462488	465264
Sitarampur I	33	11652	254	4333	16239	2046987	1151245	3198232
Sitarampur II	60	17128	3327	8212	28667	4808764	16705705	21514469
Sitarampur III	18	4572	1466	5027	11065	811671	2307470	3119141
Eastern Zone	117	33784	5723	18540	58047	7670198	20626908	28297106
Ahmedabad	4	--	879	549	1428	--	6951025	6951025
Surat	3	--	443	74	517	--	4058260	4058260
Udaipur	3	--	1057	253	1310	--	743546	743546
North Western Zone	10	--	2379	876	3255	--	11752831	11752831
Ajmer	7	--	1192	570	1762	--	7456392	7456392
Ghaziabad	3	440	--	134	574	22364	--	22364
Varanasi	9	--	9806	9833	19639	--	67015332	67015332
Northern Zone	19	440	10998	10537	21975	22364	74471724	774494088
Hyderabad I	38	24492	9244	6962	40698	15747881	32935579	48683460
Hyderabad II	22	15327	1741	1348	18416	4665188	5318378	9983566
South Central Zone	60	39819	10985	8310	59114	20413069	38253957	58667026
Bhubaneswar	25	4558	8824	6784	20166	1759626	91384442	93144068
Chaibasa	2	--	1123	152	1275	--	10260907	10260907
Raigarh	28	7600	3222	2523	13345	4366073	23520454	27886527
Ranchi	53	4821	7969	8262	21052	744049	42179609	42923658
South Eastern Zone	108	16979	21138	17721	55838	6869748	167345412	174215160

STATEMENT NO. 1.20 (cont..)

REGION/ZONE	NUMBER OF MINES	AVERAGE DAILY EMPLOYMENT			OUTPUT (IN TONNES)			
		BELLOWGROUND	OPENCAST	ABOVEGROUND	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7	8	9
Chennai	2	--	6239	2720	8959	--	25260185	25260185
Southern Zone	2	--	6239	2720	8959	--	25260185	25260185
Bilaspur	38	11126	3392	6447	20965	6297103	86924374	93221477
Jabalpur	41	14069	2100	6913	23082	7726265	12800301	20526566
Nagpur I	46	13440	1253	3975	18668	7249059	6441484	13690543
Nagpur II	44	5273	6153	9549	20975	1603709	31115573	32719282
Western Zone	169	43908	12898	26884	83690	22876136	137281732	160157868
ALL INDIA	605	167747	86970	103203	357920	64746120	524767430	589513550

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, 2013 : OWNERWISE

OWNER	NO. OF MINES	BELOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
BCCL	76	26115	11541	13042	50698
CCL	67	8603	13834	13326	35763
ECL	115	42649	5015	20969	68633
MCL	26	5470	11782	9030	26282
NCL	10	--	12331	12330	24661
NEC	5	519	789	694	2002
SECL	94	37189	6423	17086	60698
WCL	85	22111	8004	16050	46165
CIL	478	142656	69719	102527	314902
JSMDC	1	--	23	52	75
DVC	1	--	74	98	172
GMDC	6	--	2367	874	3241
IISCO	4	1023	617	632	2272
J&K Min.	3	528	--	161	689
NLC	4	--	7850	3277	11127
SCCL	60	47957	13297	10015	71269
TISCO	9	6154	1660	917	8731
RSMDC	1	--	116	52	168
PIL	1	--	227	68	295
GIPCL	3	--	471	102	573

STATEMENT NO. 1.21 (CONT..)

OWNER	NO. OF MINES	BELOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
GHCL	1	--	17	76	93
JSPL	2	--	918	398	1316
BECML	2	--	519	97	616
BENGALEMTA	1	--	71	5	76
APMDCL	1	--	26	560	586
BLAI	1	--	174	253	427
ICML	1	--	892	436	1328
INDAL	1	--	154	192	346
MIL	1	1721	--	305	2026
CTL	1	--	5	49	54
RSMML	2	--	202	68	270
PCML	1	--	552	1715	2267
JNL	1	626	139	132	897
RASL	2	--	601	78	679
SISCL	1	409	--	47	456
SEML	1	--	376	92	468
ELCALTD	1	586	46	136	768
VSLPPL	1	--	128	18	146
WBMD&TCL	1	--	95	388	483
UML	1	--	204	266	470
KEMTA	1	--	422	48	470
DVC EMTA	1	--	330	60	390
SEML	1	--	125	25	150

STATEMENT NO. 1.21 (CONT..)

OWNER	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
BSIL	1	--	54	17	71
MSMCL	1	--	151	38	189
JAL	1	24	--	8	32
SPL	1	--	504	180	684
BLMCL	1	--	622	534	1156
JPL	1	--	727	--	727
NTPC	1	--	--	--	--
ALL INDIA	605	201684	104475	124996	431155

STATEMENT NO.1.22
TREND IN PRODUCTIVITY IN COAL MINES

(IN TONNES)

YEAR	OUTPUT PER MANSHIFT					OUTPUT PER MAN YEAR				
	BELLOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE		BELLOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE	
	1	2	3	4	5	6	7	8	9	
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		

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
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
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
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
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
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
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
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
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
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
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
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
IISCO	3.6	3.2	3.1	3.1	3.1	2.8	2.6	2.6	2.0	1.6	1.9
J & K MINE	1.0	1.0	0.9	0.9	0.8	0.5	0.6	0.6	0.6	0.6	0.6
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
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
TISCO	9.1	7.9	8.5	8.2	9.7	7.1	8.1	7.8	7.6	7.4	7.3
OTHERS	2.2	2.8	3.8	4.4	5.4	7.4	9.0	8.8	10.8	12.1	15.5
TOTAL :	416.8	405.2	398.9	385.7	379.5	369.4	374.0	370.1	366.0	358.1	358.0

STATEMENT NO.1.24

TREND IN ANNUAL OUTPUT: OWNERWISE

(IN MILLION TONNES)

COMPANY	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
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
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
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
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
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
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
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
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
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
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
J.S.M.D.C	0.4	0.6	0.7	0.7	0.7	0.4	0.4	0.4	0.2	--	--
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
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
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
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
JINDAL	2.4	2.8	4.6	6.1	5.9	3.7	5.9	24.0	23.0	17.1	--
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
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
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
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
TOTAL* :	377.7	409.3	420.9	430.3	481.1	506.3	558.8	601.9	607.3	618.0	589.5

*The figure includes other owners also

STATEMENT NO.1.25
TREND IN OUTPUT PER MANYEAR : OWNERWISE

(IN TONNES)

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

*: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

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

STATEMENT NO. 2.2
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2013.

STATE/DISTRICT	NUMBER OF MINES HAVING GASSY SEAMS OF DEGREE							TOTAL
	I ONLY	II ONLY	III ONLY	I & II	I & III	II & III	I, II & III	
1	2	3	4	5	6	7	8	9
ANDHRA PRADESH								
Adilabad	16	--	--	--	--	--	--	16
Karimnagar	13	--	--	1	--	--	--	14
Khammam	6	--	--	--	--	--	--	6
Warangal	6	--	--	--	--	--	--	6
TOTAL : ANDHRA PRADESH	41	--	--	1	--	--	--	42
ASSAM								
Tinsukia	--	--	2	--	--	--	--	2
CHATTISGARH								
Bilaspur	2	--	--	--	--	--	--	2
Raigarh	4	--	--	--	--	--	--	4
Surguja	10	--	1	--	--	--	--	11
Korea	16	--	--	--	--	--	--	16
Korba	12	--	--	--	--	--	--	12
TOTAL : CHATTISGARH	44	--	1	--	--	--	--	45
JHARKHAND								
Dhanbad	52	13	4	--	--	1	--	70
Hazaribagh	7	8	--	--	--	--	--	15
Ranchi	1	--	--	--	--	--	--	1
Bokaro	3	4	--	1	--	2	--	10
Chatra	1	--	--	--	--	--	--	1
TOTAL : JHARKHAND	64	25	4	1	--	3	--	97
JAMMU & KASHMIR								
Rajauri	1	1	--	--	--	--	--	2
Udhampur	1	--	--	--	--	--	--	1
TOTAL : JAMMU & KASHMIR	2	1	--	--	--	--	--	3
MADHYA PRADESH								
Betul	2	7	--	--	--	--	--	9
Chhindwara	11	7	--	--	--	--	--	18
Shahdol	19	1	--	--	--	--	--	20
Umaria	7	--	--	--	--	--	--	7
Anuppur	1	--	--	--	--	--	--	1
TOTAL : MADHYA PRADESH	40	15	--	--	--	--	--	55

STATEMENT NO. 2.2 (Cont.)

STATE/DISTRICT	NUMBER OF MINES HAVING GASSY SEAMS OF DEGREE							TOTAL
	I ONLY	II ONLY	III ONLY	I & II	I & III	II & III	I,II & III	
1	2	3	4	5	6	7	8	9
MAHARASHTRA								
Chandrapur	12	--	--	--	--	--	--	12
Nagpur	8	--	--	--	--	--	--	8
Yavatmal	2	--	--	--	--	--	--	2
TOTAL : MAHARASHTRA	22	--	--	--	--	--	--	22
ORISSA								
Angul	4	--	--	--	--	--	--	4
Jharsuguda	3	3	--	--	--	--	--	6
TOTAL : ORISSA	7	3	--	--	--	--	--	10
WEST BENGAL								
Bankura	--	1	--	--	--	--	--	1
Birbhum	1	--	--	--	--	--	--	1
Burdwan	23	50	5	1	--	1	--	80
Purulia	--	2	--	--	--	--	--	2
TOTAL : WEST BENGAL	24	53	5	1	--	1	--	84
ALL INDIA : HARD COAL	244	97	12	3	--	4	--	360

STATEMENT NO. 2.3
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2013 : 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
BCCL	40	13	2	1	--	--	--	56
CCL	11	12	--	--	--	2	--	25
ECL	32	52	5	1	--	1	--	91
MCL	7	3	--	--	--	--	--	10
NEC	--	--	2	--	--	--	--	2
SECL	69	1	1	--	--	--	--	71
WCL	33	14	--	--	--	--	--	47
CIL	192	95	10	2	--	3	--	302
IISCO	--	1	2	--	--	--	--	3
J&K Min.	2	1	--	--	--	--	--	3
SCCL	41	--	--	1	--	--	--	42
TISCO	4	--	--	--	--	1	--	5
MIL	1	--	--	--	--	--	--	1
JNL	1	--	--	--	--	--	--	1
SISCL	1	--	--	--	--	--	--	1
ELCALTD	1	--	--	--	--	--	--	1
JAL	1	--	--	--	--	--	--	1
ALL INDIA	244	97	12	3	--	4	--	360

STATEMENT NO. 2.4
BELLOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2013.

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
ANDHRA PRADESH							
Adilabad	15327	4665188	--	--	--	--	--
Karimnagar	16356	12633195	116	55515	--	--	--
Khammam	3430	1778293	--	--	--	--	--
Warangal	4590	1280878	--	--	--	--	--
TOTAL : ANDHRA PRADESH	39703	20357554	116	55515	--	--	--
ASSAM							
Tinsukia	--	--	--	--	432	2776	
CHATTISGARH							
Bilaspur	383	164440	--	--	--	--	--
Raigarh	2505	1467609	--	--	--	--	--
Surguja	4614	2397139	--	--	481	501325	
Korea	7161	4214371	--	--	--	--	--
Korba	3582	1918292	--	--	--	--	--
TOTAL : CHATTISGARH	18245	10161851	--	--	481	501325	
JHARKHAND							
Dhanbad	20093	4790757	6560	916416	2865	404783	
Hazaribagh	1395	250241	2835	401453	--	--	--
Ranchi	253	23245	--	--	--	--	--
Bokaro	1193	464399	1673	281196	433	37054	
Chatra	338	69110	--	--	--	--	--
TOTAL : JHARKHAND	23272	5597752	11068	1599065	3298	441837	
JAMMU & KASHMIR							
Rajauri	211	11022	129	8256	--	--	--
Udhampur	100	3086	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	311	14108	129	8256	--	--	--
MADHYA PRADESH							
Betul	620	580956	3457	2831964	--	--	--
Chhindwara	2954	760023	2522	1292025	--	--	--
Shahdol	10019	5659673	761	495279	--	--	--
Umaria	2636	1233422	--	--	--	--	--
Anuppur	653	337891	--	--	--	--	--
TOTAL : MADHYA PRADESH	16882	8571965	6740	4619268	--	--	--

STATEMENT NO. 2.4(Cont..)

STATE/DISTRICT	DEGREE - I		DEGREE - II		DEGREE - III	
	EMPLOYMENT	OUTPUT (IN TONNES)	EMPLOYMENT	OUTPUT (IN TONNES)	EMPLOYMENT	OUTPUT (IN TONNES)
1	2	3	4	5	6	7
<hr/>						
MAHARASHTRA						
Chandrapur	4656	1315722	--	--	--	--
Nagpur	3887	1784091	--	--	--	--
Yavatmal	617	287987	--	--	--	--
TOTAL : MAHARASHTRA	9160	3387800	--	--	--	--
<hr/>						
ORISSA						
Angul	1832	275848	--	--	--	--
Jharsuguda	1213	633971	1513	849807	--	--
TOTAL : ORISSA	3045	909819	1513	849807	--	--
<hr/>						
WEST BENGAL						
Bankura	--	--	452	96582	--	--
Birbhum	6	--	--	--	--	--
Burdwan	10663	3178761	19655	4119670	1466	138410
Purulia	--	--	1110	133999	--	--
TOTAL : WEST BENGAL	10669	3178761	21217	4350251	1466	138410
<hr/>						
ALL INDIA : HARD COAL	121287	52179610	40783	11482162	5677	1084348

STATEMENT NO. 2.5
BELLOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2013 : 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
BCCL	14128	3184998	6140	793811	1482	137217
CCL	2535	386568	4165	596382	433	37054
ECL	12837	3643418	21336	4396809	1466	138410
MCL	3045	909819	1513	849807	--	--
NEC	--	--	--	--	432	2776
SECL	29597	16205708	761	495279	481	501325
WCL	12373	4549629	5979	4123989	--	--
 CIL	 74515	 28880140	 39894	 11256077	 4294	 816782
 IISCO	 --	 --	 139	 12434	 713	 167253
J&K Min.	311	14108	129	8256	--	--
SCCL	39703	20357554	116	55515	--	--
TISCO	3953	1164999	505	149880	670	100313
MIL	1434	880045	--	--	--	--
JNL	522	307084	--	--	--	--
SISCL	341	179150	--	--	--	--
ELCALTD	488	396530	--	--	--	--
JAL	20	--	--	--	--	--
 ALL INDIA	 121287	 52179610	 40783	 11482162	 5677	 1084348

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

STATEMENT NO. 3.2

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2013. (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					
ANDHRA PRADESH					
Adilabad	23	1933474	14171644	16105118	7296652
Karimnagar	19	2422186	41191045	43613231	8499098
Khammam	12	2448152	13541639	15989791	1491026
Warangal	7	888954	1339710	2228664	1290327
TOTAL : ANDHRA PRADESH	61	7692766	70244038	77936804	18577103
ARUNACHAL PRADESH					
Chaglong	1	--	24019	24019	35622
ASSAM					
Tinsukia	5	212249	570777	783026	105068
CHATTISGARH					
Bilaspur	2	110905	--	110905	251054
Raigarh	11	771605	12913999	13685604	2315024
Surguja	17	1656783	4583961	6240744	3213801
Korea	16	2144515	--	2144515	3204767
Korba	17	908528	33892582	34801110	2316771
Surajpur	1	--	2527182	2527182	864
TOTAL : CHATTISGARH	64	5592336	53917724	59510060	11302281
JHARKHAND					
Deoghar	2	--	994424	994424	1200
Dhanbad	88	6935050	30791897	37726947	5068649
Giridih	2	--	877417	877417	26106
Godda	1	--	5961665	5961665	110212
Hazaribagh	34	4066148	25293042	29359190	1002147
Palamau	4	--	452350	452350	36316
Ranchi	6	8353	3492745	3501098	49446
Sahebganj	1	--	114135	114135	4498
Bokaro	21	335159	8367098	8702257	1249015
Pakur	1	--	2449823	2449823	57051
Chatra	3	27185	6204350	6231535	62764
Latehar	1	--	--	--	--
Ramgarh	2	853353	1110418	1963771	--
TOTAL : JHARKHAND	166	12225248	86109364	98334612	7667404
JAMMU & KASHMIR					
Rajauri	1	--	--	--	--
Udhampur	1	--	--	--	--
TOTAL : JAMMU & KASHMIR	2	--	--	--	--
MADHYA PRADESH					
Narsigpur	1	--	161025	161025	38585
Betul	9	1918224	--	1918224	3119534
Chhindwara	23	789029	1323105	2112134	1416845
Shahdol	27	2992762	10998509	13991271	6852659
Sidhi	4	--	67576202	67576202	3102962
Umaria	8	695287	1048250	1743537	715124
Anuppur	2	216400	2721377	2937777	389592
Singrauli	3	--	20043883	20043883	1513
TOTAL : MADHYA PRADESH	77	6611702	103872351	110484053	15636814

STATEMENT NO. 3.2 (Cont.)

STATE/DISTRICT	NO.OF MINES USING	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETONATORS USED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
MAHARASHTRA					
Chandrapur	30	1781966	21603494	23385460	1350145
Nagpur	13	901669	4323942	5225611	1965768
Yavatmal	13	159580	16072158	16231738	8229940
TOTAL : MAHARASHTRA	56	2843215	41999594	44842809	11545853
ORISSA					
Angul	11	178205	11629275	11807480	831240
Sambalpur	1	--	--	--	--
Sundergarh	2	--	1883561	1883561	80792
Jharsuguda	11	758070	21944049	22702119	2237812
TOTAL : ORISSA	25	936275	35456885	36393160	3149844
UTTAR PRADESH					
Sonebhadra	5	--	55764532	55764532	4020753
WEST BENGAL					
Bankura	4	55085	2127456	2182541	223371
Birbhum	2	--	1021820	1021820	38368
Burdwan	96	3820393	23788792	27609185	6107230
Purulia	2	44399	--	44399	121014
TOTAL : WEST BENGAL	104	3919877	26938068	30857945	6489983
ALL INDIA : COAL	566	40033668	474897352	514931020	78530725
2. LIGNITE					
GUJARAT					
Bharuch	1	--	--	--	--
Bhavanagar	2	--	--	--	--
Kutch	2	27873	--	27873	2952
Surat	3	--	--	--	--
TOTAL : GUJARAT	8	27873	--	27873	2952
RAJASTHAN					
Barmer	1	--	--	--	--
Bikaner	2	--	--	--	--
Nagaur	1	--	--	--	--
TOTAL : RAJASTHAN	4	--	--	--	--
TAMILNADU					
Cuddalore	2	--	8676785	8676785	29847
ALL INDIA : LIGNITE	14	27873	8676785	8704658	32799
ALL INDIA: COAL & LIGNITE	580	40061541	483574137	523635678	78563524

STATEMENT NO. 3.3

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2013.

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	6168723	29570868	35739591	3482877
CCL	63	1558938	31967970	33526908	1991630
ECL	113	3869651	25852700	29722351	6741191
MCL	24	936275	35456885	36393160	3149844
NCL	10	--	131245732	131245732	7124709
NEC	5	212249	570777	783026	105068
SECL	92	8875726	54258344	63134070	17213684
WCL	84	4196383	41832240	46028623	15787436
CIL	460	25817945	350755516	376573461	55596439
JSMDC	1	--	--	--	--
DVC	1	--	7725	7725	2748
GMDC	5	27873	--	27873	2952
IISCO	4	365123	274891	640014	196606
J&K Min.	2	--	--	--	--
NLC	4	--	8676785	8676785	29847
SCCL	61	7692766	70244038	77936804	18577103
TISCO	9	3986110	13048908	17035018	1016331
PIL	1	--	4233117	4233117	1340
GIPCL	2	--	--	--	--
GHCL	1	--	--	--	--
JSPL	2	--	6184560	6184560	523342
BENGALEMTA	3	--	3780422	3780422	162477
APMDTC	1	--	24019	24019	35622
BLAI	1	--	161025	161025	38585
ICML	1	--	3571465	3571465	142973
INDAL	1	--	--	--	--
MIL	1	443227	--	443227	759702

STATEMENT NO. 3.3(Cont....)

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
RSMML	1	--	--	--	--
PCML	1	--	2449823	2449823	57051
JNL	1	177832	82920	260752	321154
RASL	2	1354085	534970	1889055	87653
SISCL	1	--	94075	94075	192906
SECL	1	--	2721377	2721377	--
ELCALTD	1	196580	--	196580	226075
WBMD&TCL	1	--	578351	578351	24673
UML	1	--	395675	395675	36241
DVC EMTA	2	--	2902719	2902719	127318
SEML	2	--	695895	695895	40450
MSMCL	1	--	89600	89600	40
SPL	1	--	12049285	12049285	479
BLMCL	1	--	--	--	--
JPL	1	--	16976	16976	363417
NTPC	1	--	--	--	--
ALL INDIA	580	40061541	483574137	523635678	78563524

SECTION – IV

MACHINERY

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

Year	C o a l cutting Machine		Mechanical cutter/ Loader		Mechanical Loader		Drills		Rope-haulage		Locom- otives		Shuttle Car		Conveyors		Others		Total*	
	No.	H.P	No.	H.P	No.	H.P	No.	H.P	No.	H.P	No.	H.P	No.	H.P	No.	H.P	No.	H.P	No.	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

• Excluding underground pumps and ventilators.

STATEMENT NO. 4.2
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2013.

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS				
	NO. OF MINES IN USE			NUMBER TOTAL H.P.			NO. OF MINES IN USE			NUMBER TOTAL H.P.			NO. OF MINES IN USE			NUMBER TOTAL H.P.			NO. OF MINES IN USE			NUMBER TOTAL H.P.			NO. OF MINES IN USE				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	
ANDHRA PRADESH																													
Adilabad	4	42	1129	7	51	3377	2	13	820	15	302	19408	7	31	3869	12	372	759	--	--	--	1	1	222	7	52	3350		
Karimnagar	3	28	5340	8	54	3640	--	--	--	10	233	12394	9	209	29060	14	387	674	--	--	--	--	--	--	6	61	4732		
Khammam	--	--	--	3	9	915	--	--	--	5	92	4915	5	76	9940	5	46	70	1	3	55	--	--	--	4	21	1333		
Warangal	--	--	--	2	7	585	--	--	--	5	84	5642	2	13	855	5	123	178	--	--	--	--	--	--	1	6	240		
TOTAL:ANDHRA PRADESH	7	70	6469	20	121	8517	2	13	820	35	711	42359	23	329	43724	36	928	1681	1	3	55	1	1	222	18	140	9655		
ARUNACHAL PRADESH																													
Chaglong	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ASSAM																													
Tinsukia	--	--	--	--	--	--	--	--	--	1	4	250	1	1	20	1	11	16	--	--	--	--	--	--	--	1	10	196	
CHATTISGARH																													
Bilaspur	--	--	--	1	4	200	1	3	180	2	5	324	1	10	730	1	6	9	--	--	--	--	--	--	--	1	2	40	
Raigarh	--	--	--	2	33	1845	--	--	--	4	8	380	2	69	988	3	18	218	--	--	--	--	--	--	1	21	1010		
Surjua	--	--	--	11	57	3599	1	5	200	8	28	1433	10	78	6249	9	101	341	--	--	--	--	--	--	3	16	2344		
Koreea	2	11	1315	11	83	5758	1	7	455	12	56	3559	12	184	13994	12	144	1367	1	2	142	1	2	280	4	15	593		
Korba	1	4	220	7	36	2168	2	11	706	9	43	2200	9	76	6826	11	71	176	--	--	--	--	--	--	3	23	3686		
Surajpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
TOTAL:CHATTISGARH	3	15	1535	32	213	13570	5	26	1541	35	140	7896	34	417	28787	36	340	2111	1	2	142	1	2	280	12	77	7673		
JHARKHAND																													
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Dhanbad	3	13	1426	40	147	10320	4	12	1236	58	283	19748	16	250	17023	58	329	542	--	--	--	1	5	550	17	63	1866		
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Godda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Hazaribagh	--	--	--	8	21	1290	1	1	65	15	47	3848	2	5	280	12	53	282	--	--	--	--	--	--	3	15	625		
Palamau	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Ranchi	--	--	--	1	3	150	--	--	--	1	1	60	1	4	400	1	4	6	--	--	--	--	--	--	--	--	--		
Sahibganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Bokaro	1	2	690	2	4	245	--	--	--	5	17	860	3	14	790	9	32	54	--	--	--	--	--	--	1	3	60		
Pakur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Chatra	--	--	--	1	2	100	--	--	--	1	4	210	1	9	395	1	6	6	--	--	--	--	--	--	1	13	1120		
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Ramgarh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
TOTAL:JHARKHAND	4	15	2116	52	177	12105	5	13	1301	80	352	24726	23	282	18888	81	424	890	--	--	--	1	5	550	22	94	3671		
JAMMU & KASHMIR																													
Rajauri	--	--	--	--	--	--	--	--	--	1	1	10	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--		
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
TOTAL:JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--	1	1	10	1	1	50	--	--	--	--	--	--	--	--	--	--	--	--		
MADHYA PRADESH																													
Narsipur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Betul	--	--	--	5	42	2757	1	5	250	9	50	2735	5	66	5506	8	101	874	--	--	--	--	--	--	2	16	1059		
Chhindwara	2	11	842	14	55	3000	--	--	--	16	80	4499	10	75	7867	16	143	296	1	10	--	--	--	--	2	8	705		
Shahdol	2	8	1295	18	95	6011	1	5	250	18	111	7191	17	177	15326	18	242	431	--	--	--	--	--	--	6	33	3229		
Sidhi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
Umaria	--	--	--	3	16	990	--	--	--	7	41	2464	6	56	3072	6	44	65	--	--	--	--	--	--	1	3	60		
Anuppur	--	--	--	1	8	475	--	--	--	1	5	250	1	20	1700	1	16	24	--	--	--	--	--	--	1	3	60		
Singrauli	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--			
TOTAL:MADHYA PRADESH	4	19	2137	41	216	13233	2	10	500	51	287	17139	39	394	33471	49	546	1690	1	10	--	--	--	--	12	63	5113		
MAHARASHTRA																													
Chandrapur	--	--	--	9	43	3155	1	1	65	11	86	5396	4	24	2260	10	98	166	--	--	--	--	--	--	1	4	270		
Nagpur	--	--	--	6	35	1959	1	5	520	8	66	4195	8	79	7289	8	96	250	--	--	--	--	--	--	5	35	2523		
Yavatmal	--	--	--	2	13	710	--	--	--	1	7	400	2	17	1385	2	17	30	--	--	--	--	--	--	1	2	40		
TOTAL:MAHARASHTRA	--	--	--	17	91	5824	2	6	585	20	159	9991	14	120	10934	20	211	446	--	--	--	--	--	--	7	41	2833		

STATEMENT NO. 4.2(Cont..)

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS				
	NO.OF MINES USING	NUMBER IN USE	TOTAL	NO.OF MINES USIG	NUMBER IN USE	TOTAL	NO.OF MINES USING	NUMBER IN USE	TOTAL	NO.OF MINES IN H.P.	NUMBER IN H.P.	TOTAL	NO.OF MINES IN H.P.	NUMBER IN H.P.	TOTAL	NO.OF MINES IN H.P.	NUMBER IN H.P.	TOTAL	NO.OF MINES IN H.P.	NUMBER IN H.P.	TOTAL	NO.OF MINES IN H.P.	NUMBER IN H.P.	TOTAL	NO.OF MINES IN H.P.	NUMBER IN H.P.	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	
ORISSA																													
Angul	--	--	--	2	21	8197	--	--	--	1	6	300	2	26	2272	2	14	167	--	--	--	--	--	--	--	2	5	130	
Sambalpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Sundergarh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Jharsuguda	2	3	180	4	30	1494	--	--	--	6	57	4083	5	32	3147	5	36	428	--	--	--	--	--	--	--	3	22	2109	
TOTAL:ORISSA	2	3	180	6	51	9691	--	--	--	7	63	4383	7	58	5419	7	50	595	--	--	--	--	--	--	--	5	27	2239	
UTTAR PRADESH																													
Sonebhadra	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
WEST BENGAL																													
Bankura	1	4	260	--	--	--	--	--	--	--	--	--	--	--	--	1	1	2	--	--	--	--	--	--	1	2	130		
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Burdwan	6	16	945	48	188	16293	5	12	4313	69	424	23830	20	161	20638	73	502	1869	4	10	2350	4	10	1205	19	98	8585		
Purulia	--	--	--	2	2	120	--	--	--	2	12	685	1	1	40	2	9	14	--	--	--	--	--	--	--	--	--		
TOTAL:WEST BENGAL	7	20	1205	50	190	16413	5	12	4313	71	436	24515	21	162	20678	76	512	1885	4	10	2350	4	10	1205	20	100	8715		
GUJARAT																													
Baruch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Bhavanagar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Kutch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Surat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:GUJARAT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RAJASTHAN																													
Barmer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Nagaur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TOTAL:RAJASTHAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
TAMILNADU																													
Cuddalore	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ALL INDIA :	27	142	13642	218	1059	79353	21	80	9060	301	2153	131269	163	1764	161971	306	3022	9314	7	25	2547	7	18	2257	97	552	40095		

STATEMENT NO. 4.3
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2013 : 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	1	3	646	35	132	8775	1	2	130	43	176	12161	10	55	7356	45	224	384	--	--	--	1	5	550	14	43	1515
CCL	--	--	--	11	27	1605	1	1	65	22	69	4978	5	21	1195	21	84	329	--	--	--	--	--	--	4	28	1745
ECL	8	22	1335	55	204	17563	7	18	4747	78	456	25820	21	162	20678	83	549	1940	4	10	2350	4	10	1205	20	100	8745
MCL	2	3	180	6	51	9691	--	--	--	7	63	4383	7	58	5419	7	50	595	--	--	--	--	--	--	5	27	2239
NCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
NEC	--	--	--	--	--	--	--	--	--	1	4	250	1	1	20	1	11	16	--	--	--	--	--	--	1	10	196
SECL	5	23	2830	52	299	19201	6	31	1791	59	295	17701	56	601	47897	60	631	2424	1	2	142	1	2	280	19	95	10012
WCL	2	11	842	35	182	11281	3	11	835	44	288	17150	27	256	23762	43	449	1607	1	10	--	--	--	--	11	65	4597
CIL	18	62	5833	194	895	68116	18	63	7568	254	1351	82443	127	1154	106327	260	1998	7295	6	22	2492	6	17	2035	74	368	29049
JSDMC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
IISCO	--	--	--	1	4	575	--	--	--	3	13	628	2	33	1658	3	18	28	--	--	--	--	--	2	9	211	
J&K Min.	--	--	--	--	--	--	--	--	--	1	1	10	1	1	50	--	--	--	--	--	--	--	--	--	--		
NLC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SCCL	7	70	6469	20	121	8517	2	13	820	35	711	42359	23	329	43724	36	928	1681	1	3	55	1	1	222	18	140	9655
TISCO	1	8	650	--	--	--	1	4	672	5	74	5654	5	163	8109	4	57	86	--	--	--	--	--	1	11	110	
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
GHCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JSPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BENGALEMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
APMDTC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ICML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
INDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
MIL	--	--	1	24	1380	--	--	--	1	1	50	1	60	538	--	--	--	--	--	--	--	--	--	1	21	1010	
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
PCML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JNL	--	--	1	9	465	--	--	--	1	1	50	1	9	450	1	11	207	--	--	--	--	--	--	--	--	--	
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SISCL	--	--	1	6	300	--	--	--	1	1	75	1	3	480	1	6	9	--	--	--	--	--	--	--	--	--	
SECL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ELCALTD	1	2	690	--	--	--	--	--	--	--	--	--	1	10	570	1	4	8	--	--	--	--	--	--	1	3	60
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
UML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
SEML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JAL	--	--	--	--	--	--	--	--	--	--	--	--	1	2	65	--	--	--	--	--	--	--	--	--	--		
SPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
BLMCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
JPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
ALL INDIA	27	142	13642	218	1059	79353	21	80	9060	301	2153	131269	163	1764	161971	306	3022	9314	7	25	2547	7	18	2257	97	552	40095

STATEMENT No. 4.4

TREND IN USAGE OF MACHINERIES IN OPENCAST WORKINGS

Machineries	2004		2005		2006		2007		2008		2009		2010		2011		2012		2013	
	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	20	21
Shovel	1135	479579	1073	452744	1088	448264	1188	511520	1247	548029	1320	557498	1499	567145	1576	656597	1610	645791	1644	690372
Drill	978	332532	922	329023	861	303143	1023	397481	1018	349428	920	326280	980	322643	914	338198	952	328475	950	354168
Dragline	45	118809	34	91355	28	76853	33	77022	48	113359	40	99700	42	97924	46	105391	43	99177	41	103637
Dozer	1309	506301	1219	448133	1151	418210	1382	495484	1411	501190	1410	523998	1437	487252	1570	521331	1488	521347	1606	548184
Dumper	4516	2335655	4553	2487737	4391	2363973	4634	2506481	4994	2685842	5324	2827622	5455	2693218	6286	3141190	5850	3203992	6339	3498081
Scraper	1	330	-	-	1	147	4	1107	5	1410	3	960	6	1469	18	2749	8	1067	23	2562
Grader	282	47926	217	43290	237	50511	276	64320	276	58515	359	63527	388	67079	416	74295	404	70618	433	79487
Loader	91	22203	76	20245	78	22481	126	36253	156	36673	134	3425	142	28922	147	30939	169	40173	165	46247
Crane	359	50993	347	42491	249	34086	368	48659	399	52317	426	49472	431	46558	440	41616	463	48959	468	47386
Others	325	101222	226	120153	290	80591	413	111542	532	132206	418	105412	472	125650	504	97258	405	92799	662	168840
Total	9041	3995550	8667	4035171	8374	3798259	9447	4249869	10086	4478969	10354	4557894	10852	4437860	11917	5009564	11392	5052398	12331	5538964

STATEMENT NO. 4.5
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2013.

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES		
	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
ANDHRA PRADESH															
Adilabad	5	14	3610	5	60	22800	5	7	2280	5	15	4896	2	6	928
Karimnagar	5	56	34585	5	354	284023	5	52	21990	5	70	27580	3	35	4102
Khammam	6	46	20603	6	275	176980	5	30	11480	6	54	20320	3	12	1042
Warangal	2	19	3485	2	36	14175	2	3	840	1	4	600	1	1	50
TOTAL:ANDHRA PRADESH	18	135	62283	18	725	497978	17	92	36590	17	143	53396	9	54	6122
ARUNACHAL PRADE															
Chaglong	1	20	1473	1	66	1354	--	--	--	1	7	374	--	--	--
ASSAM															
Tinsukia	3	34	13328	1	62	24900	3	12	2309	3	25	6078	--	--	--
CHATTISGARH															
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Raigarh	8	42	13498	8	231	83260	4	16	4240	7	30	9147	1	1	150
Surguja	6	18	7113	6	69	28520	6	18	6910	6	29	15870	2	4	395
Korea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Korba	6	48	31579	5	131	137328	7	58	24861	5	62	26910	3	21	2949
Surajpur	1	7	3000	1	18	7200	1	2	230	1	5	1050	--	--	--
TOTAL:CHATTISGARH	21	115	55190	20	449	256308	18	94	36241	19	126	52977	6	26	3494
JHARKHAND															
Deoghar	2	8	2590	2	27	10260	2	5	1900	2	8	3130	1	2	240
Dhanbad	40	218	68271	36	742	271192	38	145	39939	39	215	66824	14	24	3582
Giridih	2	4	1130	2	14	6940	2	4	1500	2	4	1640	1	1	170
Godda	1	7	5784	1	48	59820	1	4	1520	1	19	7790	1	4	740
Hazaribagh	20	58	18317	22	280	132761	21	57	19684	22	69	25160	8	21	2746
Palamau	2	22	6581	3	72	28390	3	4	1070	3	11	2940	1	1	100
Ranchi	5	22	6300	5	86	37325	4	13	5110	5	37	14040	2	3	710
Sahebganj	--	--	--	--	--	--	--	--	1	1	400	--	--	--	
Bokaro	13	43	14099	13	194	78571	13	33	11145	13	50	17900	6	7	701
Pakur	1	9	9350	1	51	48153	--	--	--	1	17	7910	1	2	367
Chatra	2	9	3114	2	42	32262	2	9	3604	2	18	7550	2	6	530
Latehar	1	2	660	1	9	2510	--	--	--	1	1	185	--	--	--
Ramgarh	2	6	1335	2	33	3192	2	6	2391	2	11	1940	--	--	--
TOTAL:JHARKHAND	91	408	137531	90	1598	711376	88	280	87863	94	461	157409	37	71	9886

STATEMENT NO. 4.5 (Cont..)

STATE/DISTRICT	SCRAPERS			DRAGLINES			LOADERS			GRADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USING	NUMBER IN USE	TOTAL H.P.
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
ANDHRA PRADESH															
Adilabad	--	--	--	--	--	--	2	3	375	5	7	1015	5	10	2179
Karimnagar	--	--	--	3	3	11500	3	9	1992	5	26	5610	2	10	3775
Khammam	--	--	--	--	--	--	5	12	2039	5	19	4469	5	38	7295
Warangal	--	--	--	--	--	--	--	--	--	2	3	285	--	--	--
TOTAL:ANDHRA PRADESH	--	--	--	3	3	11500	10	24	4406	17	55	11379	12	58	13249
ARUNACHAL PRADE															
Chaglong	--	--	--	--	--	--	--	--	--	1	1	173	--	--	--
ASSAM															
Tinsukia	--	--	--	--	--	--	--	--	--	2	3	522	2	6	640
CHATTISGARH															
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Raigarh	--	--	--	2	2	950	3	13	2394	6	15	2402	4	88	31280
Surguja	--	--	--	2	3	6648	1	1	112	3	4	900	4	15	3570
Korea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Korba	--	--	--	--	--	--	3	10	1299	4	17	4531	1	7	2405
Surajpur	--	--	--	--	--	--	1	2	230	--	--	--	1	10	1600
TOTAL:CHATTISGARH	--	--	--	4	5	7598	8	26	4035	13	36	7833	10	120	38855
JHARKHAND															
Deoghar	--	--	--	--	--	--	1	1	380	1	1	285	1	1	380
Dhanbad	1	4	1280	4	5	8250	1	2	125	13	89	4407	7	23	7665
Giridih	--	--	--	--	--	--	1	1	310	1	1	200	--	--	--
Godda	--	--	--	--	--	--	1	2	1608	1	6	1680	1	10	3582
Hazaribagh	--	--	--	--	--	--	4	4	2158	15	21	5119	6	72	8253
Palamau	--	--	--	--	--	--	2	6	2057	1	2	280	1	2	600
Ranchi	--	--	--	--	--	--	4	6	1352	5	8	1915	2	4	1080
Sahebganj	--	--	--	--	--	--	--	--	--	--	--	--	1	4	541
Bokaro	--	--	--	--	--	--	2	4	1421	8	9	1697	6	11	3050
Pakur	--	--	--	--	--	--	1	1	222	1	2	313	1	44	4846
Chatra	1	7	--	--	--	--	2	3	1220	2	6	1500	1	8	1435
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Ramgarh	1	5	320	--	--	--	--	--	--	2	5	925	2	4	1239
TOTAL:JHARKHAND	3	16	1600	4	5	8250	19	30	10853	50	150	18321	29	183	32671

STATEMENT NO. 4.5 (Cont..)

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES 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
JAMMU & KASHMIR															
Rajauri	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MADHYA PRADESH															
Narsigpur	1	4	896	1	15	5466	1	2	304	1	2	330	--	--	--
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chhindwara	3	8	2495	4	23	8480	4	9	3420	3	9	2880	1	1	120
Shahdol	6	32	5914	5	69	39690	6	19	6911	4	27	9590	3	10	1347
Sidhi	4	57	50224	4	228	245408	4	70	48232	4	61	27580	2	10	1461
Umaria	1	2	600	1	4	1200	1	2	600	1	2	500	--	--	--
Anuppur	1	4	1365	1	20	10300	1	4	1594	1	7	2420	1	3	458
Singrauli	1	6	34260	2	37	68560	2	15	7900	2	19	9770	1	8	1981
TOTAL:MADHYA PRADESH	17	113	95754	18	396	379104	19	121	68961	16	127	53070	8	32	5367
MAHARASHTRA															
Chandrapur	18	138	58365	17	477	299275	17	67	21642	17	122	42313	13	38	5198
Nagpur	5	41	14650	5	115	71293	3	14	4793	5	38	12983	2	6	922
Yavatmal	11	72	26901	11	233	124220	10	31	9905	11	55	18450	7	20	1546
TOTAL:MAHARASHTRA	34	251	99916	33	825	494788	30	112	36340	33	215	73746	22	64	7666
ORISSA															
Angul	8	42	15594	8	234	172143	8	65	21085	9	73	28075	7	30	3935
Sambalpur	1	5	1600	1	27	9420	1	1	450	1	6	3906	1	2	450
Sundergarh	2	10	4442	2	245	56018	2	9	3192	2	13	4810	1	5	457
Jharsuguda	5	34	14106	4	146	65192	5	30	8574	4	37	9877	3	15	1387
TOTAL:ORISSA	16	91	35742	15	652	302773	16	105	33301	16	129	46668	12	52	6229
UTTAR PRADESH															
Sonebhadra	5	62	39865	5	269	199298	5	60	27190	5	69	25672	4	24	4052

STATEMENT NO. 4.5 (Cont..)

STATE/DISTRICT	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.
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
JAMMU & KASHMIR															
Rajauri	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MADHYA PRADESH															
Narsigpur	--	--	--	--	--	--	1	2	254	1	1	175	1	1	450
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chhindwara	--	--	--	--	--	--	1	1	100	--	--	--	--	--	--
Shahdol	--	--	--	3	4	9472	2	4	593	2	3	842	3	9	3471
Sidhi	--	--	--	2	5	20076	3	7	3240	4	22	6525	3	22	9610
Umaria	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anuppur	--	--	--	--	--	--	--	--	--	1	1	240	--	--	--
Singrauli	--	--	--	--	--	--	2	4	5931	2	7	1960	2	16	2686
TOTAL:MADHYA PRADESH	--	--	--	5	9	29548	9	18	10118	10	34	9742	9	48	16217
MAHARASHTRA															
Chandrapur	--	--	--	2	2	6619	5	11	2400	14	22	4667	9	47	12372
Nagpur	--	--	--	--	--	--	2	2	1110	--	--	--	3	18	3659
Yavatmal	1	5	838	--	--	--	1	1	218	8	12	2957	5	13	3008
TOTAL:MAHARASHTRA	1	5	838	2	2	6619	8	14	3728	22	34	7624	17	78	19039
ORISSA															
Angul	--	--	--	1	1	3015	5	20	7360	7	18	5055	3	24	6543
Sambalpur	--	--	--	--	--	--	1	5	951	--	--	--	1	3	2390
Sundergarh	--	--	--	1	1	800	--	--	--	2	4	1055	1	5	1042
Jharsuguda	--	--	--	3	4	5927	1	2	216	4	7	1366	4	9	4554
TOTAL:ORISSA	--	--	--	5	6	9742	7	27	8527	13	29	7476	9	41	14529
UTTAR PRADESH															
Sonebhadra	--	--	--	3	10	26580	3	5	2092	5	20	4390	4	25	13126

STATEMENT NO. 4.5(Cont..)

STATE/DISTRICT	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.	NO.OF MINES IN USE	NUMBER IN USE	TOTAL H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
WEST BENGAL															
Bankura	3	16	9265	3	34	28342	2	5	1349	3	9	3135	1	1	825
Birbhum	2	6	3944	2	19	14800	--	--	--	2	7	1910	--	--	--
Burdwan	19	98	47308	18	368	254559	17	52	17477	19	84	28003	4	13	1397
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:WEST BENGAL	24	120	60517	23	421	297701	19	57	18826	24	100	33048	5	14	2222
GUJARAT															
Bharuch	3	55	16250	2	111	43710	--	--	--	3	13	2154	--	--	--
Bhavanagar	2	29	8509	2	89	33388	--	--	--	2	9	1583	--	--	--
Kutch	2	13	2873	2	34	13442	--	--	--	2	7	1805	--	--	--
Surat	3	55	16825	3	187	71197	--	--	--	3	18	3910	--	--	--
TOTAL:GUJARAT	10	152	44457	9	421	161737	--	--	--	10	47	9452	--	--	--
RAJASTHAN															
Barmer	3	70	20969	3	272	109326	1	1	165	3	19	3742	--	--	--
Bikaner	3	24	7588	3	105	35740	1	1	350	3	13	2970	1	1	120
Nagaur	1	7	2319	1	26	7160	--	--	--	1	2	640	--	--	--
TOTAL:RAJASTHAN	7	101	30876	7	403	152226	2	2	515	7	34	7352	1	1	120
TAMILNADU															
Cuddalore	1	42	13440	2	52	18538	1	15	6032	2	123	28942	2	130	2228
ALL INDIA :	248	1644	690372	242	6339	3498081	218	950	354168	247	1606	548184	106	468	47386

STATEMENT NO. 4.5 (Cont..)

STATE/DISTRICT	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.
	1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
WEST BENGAL															
Bankura	--	--	--	--	--	--	--	--	--	2	2	358	2	8	2323
Birbhum	--	--	--	--	--	--	1	1	246	--	--	--	2	3	290
Burdwan	--	--	--	1	1	3800	3	7	839	5	11	1993	4	31	7773
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:WEST BENGAL	--	--	--	1	1	3800	4	8	1085	7	13	2351	8	42	10386
GUJARAT															
Bharuch	--	--	--	--	--	--	1	1	235	3	8	1250	2	8	880
Bhavanagar	--	--	--	--	--	--	1	2	211	2	3	460	2	3	725
Kutch	--	--	--	--	--	--	1	1	120	1	3	610	2	17	3038
Surat	--	--	--	--	--	--	1	1	135	3	10	1435	2	9	1430
TOTAL:GUJARAT	--	--	--	--	--	--	4	5	701	9	24	3755	8	37	6073
RAJASTHAN															
Barmer	1	2	124	--	--	--	--	--	--	3	16	2671	1	9	1720
Bikaner	--	--	--	--	--	--	2	2	292	2	8	1172	2	15	2335
Nagaur	--	--	--	--	--	--	--	--	--	1	1	418	--	--	--
TOTAL:RAJASTHAN	1	2	124	--	--	--	2	2	292	6	25	4261	3	24	4055
TAMILNADU															
Cuddalore	--	--	--	--	--	--	2	6	410	2	9	1660	--	--	--
ALL INDIA :	5	23	2562	27	41	103637	76	165	46247	157	433	79487	111	662	168840

STATEMENT NO. 4.6
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2013 : OWNERWISE

OWNER	SHOVELS			DUMPERS			DRILLS			DOZERS			CRANES		
	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
BCCL	35	199	61358	31	634	244002	34	135	37567	34	206	63829	13	23	3422
CCL	39	132	41012	41	595	271886	40	113	40044	42	181	64370	20	39	4957
ECL	24	100	42715	23	384	220449	22	54	18705	25	100	35628	5	17	1799
MCL	15	86	34142	14	625	293353	15	104	32851	15	123	42762	11	50	5779
NCL	9	119	90089	10	509	457046	10	134	76712	10	135	55302	6	34	5513
NEC	3	34	13328	1	62	24900	3	12	2309	3	25	6078	--	--	--
SECL	21	113	49399	19	324	226358	21	98	39132	17	125	53980	9	36	4841
WCL	34	233	82275	34	755	405168	31	116	37700	33	201	67408	21	61	7248
CIL	180	1016	414318	173	3888	2143162	176	766	285020	179	1096	389357	85	260	33559
JSMDC	1	2	660	1	9	2510	--	--	--	1	1	185	--	--	--
DVC	1	1	320	1	6	2280	1	1	300	1	1	355	--	--	--
GMDC	6	96	28228	5	214	87877	--	--	--	6	30	6259	--	--	--
IISCO	3	17	6494	3	85	29375	2	8	2138	3	9	3055	1	1	160
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	3	61	19528	4	152	52678	1	15	6032	4	134	31272	2	130	2228
SCCL	18	135	62283	18	725	497978	17	92	36590	17	143	53396	9	54	6122
TISCO	4	7	2520	4	38	14980	4	8	2680	4	8	3435	--	--	--
RSMDC	1	14	2293	1	43	12508	--	--	--	1	2	260	--	--	--
PIL	1	3	750	1	4	1200	1	2	760	1	3	900	--	--	--
GIPCL	3	50	14789	3	187	69285	--	--	--	3	14	2763	--	--	--
GHCL	1	6	1440	1	20	4575	--	--	--	1	3	430	--	--	--
JSPL	2	18	7436	2	152	53920	2	9	2060	2	18	5185	--	--	--
BENGALEMTA	3	20	16713	3	71	64255	1	7	2075	3	18	6300	1	2	578
APMDTC	1	20	1473	1	66	1354	--	--	--	1	7	374	--	--	--
BLAI	1	4	896	1	15	5466	1	2	304	1	2	330	--	--	--
ICML	1	11	3490	1	52	60800	1	6	1550	1	7	1155	--	--	--
INDAL	1	5	1600	1	27	9420	1	1	450	1	6	3906	1	2	450
MIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	2	15	4950	2	54	18360	--	--	--	2	4	1020	--	--	--
PCML	1	9	9350	1	51	48153	--	--	--	1	17	7910	1	2	367
JNL	1	5	1079	1	8	2920	--	--	--	1	2	636	--	--	--
RASL	2	14	10238	2	54	52410	1	2	840	2	12	4632	1	2	269
SISCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1	4	1365	1	20	10300	1	4	1594	1	7	2420	1	3	458
ELCALTD	--	--	--	1	5	265	--	--	--	--	--	--	--	--	--
VSLPPL	1	5	1500	1	5	1600	1	1	350	1	2	640	1	1	120
WBMD&TCL	1	2	760	1	2	760	--	--	--	1	1	400	--	--	--
UML	1	20	5941	1	66	26180	1	1	450	1	7	1660	--	--	--
DVC EMTA	2	20	16333	2	63	70792	2	6	2020	2	16	6624	2	3	1094
SEM	2	4	1520	2	21	7680	1	1	380	2	2	503	--	--	--
SPL	1	6	34260	1	25	56220	1	11	6610	1	14	7720	1	8	1981
BLMCL	1	48	16045	1	201	85618	1	1	165	1	15	3102	--	--	--
JPL	1	6	1800	1	10	3200	1	6	1800	1	5	2000	--	--	--
ALL INDIA	248	1644	690372	242	6339	3498081	218	950	354168	247	1606	548184	106	468	47386

STATEMENT NO. 4.6(Contd.)
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2013 : OWNERWISE

OWNER	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.
1	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BCCL	1	4	1280	4	5	8250	1	2	125	13	88	4437	7	24	8205
CCL	2	12	320	--	--	--	14	20	7156	31	48	10756	14	35	10124
ECL	--	--	--	1	1	3800	2	3	1988	6	15	3537	6	28	8693
MCL	--	--	--	5	6	9742	6	22	7576	13	29	7476	8	38	12139
NCL	--	--	--	5	15	46656	7	13	6308	10	44	11475	8	50	23876
NEC	--	--	--	--	--	--	--	--	--	2	3	522	2	6	640
SECL	--	--	--	5	7	16120	8	24	3144	11	27	6717	9	41	11046
WCL	1	5	838	2	2	6619	7	9	2296	20	28	6174	15	57	14013
CIL	4	21	2438	22	36	91187	45	93	28593	106	282	51094	69	279	88736
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	2	3	331	5	16	2305	4	22	3758
IISCO	--	--	--	--	--	--	1	2	320	1	2	290	1	1	160
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	4	8	702	4	17	2832	2	15	2335
SCCL	--	--	--	3	3	11500	10	24	4406	17	55	11379	12	58	13249
TISCO	--	--	--	--	--	--	--	--	--	1	1	280	2	62	4233
RSMDC	1	2	124	--	--	--	--	--	--	1	2	390	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	2	2	370	3	7	1260	3	14	2190
GHCL	--	--	--	--	--	--	--	--	--	1	1	190	1	1	125
JSPL	--	--	--	--	--	--	2	6	1484	2	10	1720	2	86	29460
BENGALEMTA	--	--	--	--	--	--	2	2	356	1	1	146	3	13	2110
APMDTC	--	--	--	--	--	--	--	--	--	1	1	173	--	--	--
BLAI	--	--	--	--	--	--	1	2	254	1	1	175	1	1	450
ICML	--	--	--	--	--	--	1	4	409	1	3	430	1	10	2063
INDAL	--	--	--	--	--	--	1	5	951	--	--	--	1	3	2390
MIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	2	3	933	1	9	1720
PCML	--	--	--	--	--	--	1	1	222	1	2	313	1	44	4846
JNL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RASL	--	--	--	1	1	475	1	3	766	2	4	844	2	11	3360
SISCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--	1	1	240	--	--	--
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	1	4	1362	1	2	280	1	2	600
DVC EMTA	--	--	--	--	--	--	1	3	766	2	4	928	2	17	4599
SEML	--	--	--	1	1	475	--	--	--	1	1	119	1	1	910
SPL	--	--	--	--	--	--	1	3	4955	1	5	1400	1	13	1546
BLMCL	--	--	--	--	--	--	--	--	--	1	12	1766	--	--	--
JPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	5	23	2562	27	41	103637	76	165	46247	157	433	79487	111	662	168840

STATEMENT NO. 4.7
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2013.

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																		
ANDHRA PRADESH																		
Adilabad	14	17	2450	2	11	3420	12	24	2546	--	--	--	--	--	--	6	27	2850
Karimnagar	13	20	2317	--	--	--	11	74	9481	--	--	--	--	--	--	3	9	635
Khammam	5	6	527	1	40	2000	7	28	3435	--	--	--	--	--	--	2	5	194
Warangal	6	11	1537	--	--	--	3	3	260	--	--	--	--	--	--	--	--	--
TOTAL : ANDHRA PRADESH	38	54	6831	3	51	5420	33	129	15722	--	--	--	--	--	--	11	41	3679
ARUNACHAL PRADE																		
Chaglong	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ASSAM																		
Tinsukia	1	3	320	1	2	70	1	1	30	1	3	215	--	--	--	--	--	--
CHATTISGARH																		
Bilaspur	1	1	75	--	--	--	1	1	180	--	--	--	--	--	--	--	--	--
Raigarh	5	11	3034	2	30	12000	2	6	564	--	--	--	--	--	--	--	--	--
Surguja	9	11	722	2	43	6400	9	23	3000	1	1	29	1	5	625	--	--	--
Korea	10	12	799	1	1	25	12	56	4651	--	--	--	--	--	--	1	1	20
Korba	10	10	667	--	--	--	11	65	16901	--	--	--	--	--	--	1	3	285
Surajpur	--	--	--	1	10	1600	--	--	--	--	--	--	1	4	460	--	--	--
TOTAL : CHATTISGARH	35	45	5297	6	84	20025	35	151	25296	1	1	29	2	9	1085	2	4	305
JHARKHAND																		
Deoghar	--	--	--	2	2	700	--	--	--	--	--	--	--	--	--	1	3	1075
Dhanbad	27	62	5985	22	109	19070	14	71	4108	3	11	510	2	2	435	4	15	1283
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Godda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hazaribagh	13	24	2773	4	5	1573	7	24	1965	2	2	160	1	1	400	1	1	500
Palamau	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ranchi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Sahebganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bokaro	8	28	4554	2	25	3145	3	5	701	--	--	--	--	--	--	1	1	50
Pakur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chatra	1	2	190	1	1	35	2	4	994	--	--	--	--	--	--	--	--	--
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ramgarh	--	--	--	2	25	1921	--	--	--	1	1	304	--	--	--	--	--	--
TOTAL : JHARKHAND	49	116	13502	33	167	26444	26	104	7768	6	14	974	3	3	835	7	20	2908
JAMMU & KASHMIR																		
Rajauri	2	3	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	2	3	140	--	--	--												

STATEMENT NO. 4.7 (cont..)

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
MADHYA PRADESH																		
Narsigpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Betul	8	8	737	--	--	--	7	13	998	--	--	--	--	--	--	2	2	271
Chhindwara	15	18	2063	4	9	392	12	16	3328	--	--	--	--	--	--	--	--	--
Shahdol	19	52	3154	2	7	1774	19	81	9652	--	--	--	--	--	--	1	18	27
Sidhi	--	--	--	--	--	--	3	79	18639	--	--	--	--	--	--	1	8	2576
Umaria	5	20	1385	--	--	--	3	4	270	--	--	--	--	--	--	1	2	35
Anuppur	1	1	100	--	--	--	1	3	360	--	--	--	--	--	--	--	--	--
Singrauli	1	3	--	--	--	--	1	5	3962	--	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	49	102	7439	6	16	2166	46	201	37209	--	--	--	--	--	--	5	30	2909
MAHARASHTRA																		
Chandrapur	11	16	1675	3	8	828	16	68	6477	--	--	--	1	1	250	3	4	834
Nagpur	9	9	740	--	--	--	7	13	1724	--	--	--	--	--	--	2	10	75
Yavatmal	1	2	100	--	--	--	4	7	768	--	--	--	--	--	--	2	11	1913
TOTAL : MAHARASHTRA	21	27	2515	3	8	828	27	88	8969	--	--	--	1	1	250	7	25	2822
ORISSA																		
Angul	1	1	120	--	--	--	6	49	5460	--	--	--	--	--	--	3	29	2806
Sambalpur	--	--	--	1	80	18160	--	--	--	--	--	--	--	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	2	3	274	--	--	--	1	2	262	1	4	687
Jharsuguda	5	7	725	2	5	135	6	8	1407	--	--	--	--	--	--	--	--	--
TOTAL : ORISSA	6	8	845	3	85	18295	14	60	7141	--	--	--	1	2	262	4	33	3493
UTTAR PRADESH																		
Sonebhadra	1	2	352	--	--	--	2	29	6980	--	--	--	--	--	--	--	--	--
WEST BENGAL																		
Bankura	1	1	100	--	--	--	1	1	380	--	--	--	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Burdwan	33	46	5635	44	84	3297	25	60	7624	1	1	150	--	--	--	3	9	475
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : WEST BENGAL	34	47	5735	44	84	3297	26	61	8004	1	1	150	--	--	--	3	9	475
ALL INDIA : COAL	236	407	42976	99	497	76545	210	824	117119	9	19	1368	7	15	2432	39	162	16591

STATEMENT NO. 4.7 (cont..)

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS			LOCOMOTIVES			LOADERS			OTHERS		
	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
2. LIGNITE																		
GUJARAT																		
Bharuch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	1	3	375	1	1	180	--	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	1	3	375	1	1	180	--	--	--	--	--	--	--	--	--
RAJASTHAN																		
Barmer	--	--	--	1	19	7600	--	--	--	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	1	19	7600	--	--	--	--	--	--	--	--	--	--	--	--
TAMILNADU																		
Cuddalore	--	--	--	--	--	--	2	69	232944	--	--	--	--	--	--	--	--	--
ALL INDIA : LIGNITE	--	--	--	2	22	7975	3	70	233124	--	--	--	--	--	--	--	--	--
ALL INDIA: COAL & LIGNITE	236	407	42976	101	519	84520	213	894	350243	9	19	1368	7	15	2432	39	162	16591

STATEMENT NO. 4.8
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2013 -- 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	23	45	4535	24	106	20769	10	27	1398	2	2	245	2	2	435	1	4	580
CCL	20	44	5597	7	49	2864	10	29	3240	3	3	464	1	1	400	--	--	--
ECL	36	50	6185	44	83	3905	25	60	7919	1	1	150	--	--	--	5	13	1885
MCL	6	8	845	2	5	135	14	60	7141	--	--	--	1	2	262	4	33	3493
NCL	2	5	352	--	--	--	5	108	25619	--	--	--	--	--	--	1	8	2576
NEC	1	3	320	1	2	70	1	1	30	1	3	215	--	--	--	--	--	--
SECL	57	109	7136	6	61	9799	56	233	35014	1	1	29	2	9	1085	4	24	367
WCL	43	52	5265	7	17	1220	45	115	13015	--	--	--	1	1	250	9	27	3093
CIL	188	316	30235	91	323	38762	166	633	93376	8	10	1103	7	15	2432	24	109	11994
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IISCO	2	7	255	1	11	903	3	16	605	1	9	265	--	--	--	1	4	40
J&K Min.	2	3	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	2	69	232944	--	--	--	--	--	--	--	--	--
SCCL	38	54	6831	3	51	5420	33	129	15722	--	--	--	--	--	--	11	41	3679
TISCO	1	13	1345	1	2	1300	3	30	2290	--	--	--	--	--	--	2	7	828
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	1	3	375	1	1	180	--	--	--	--	--	--	--	--	--
JSPL	1	6	2400	1	18	7200	--	--	--	--	--	--	--	--	--	--	--	--
BENGALEMATA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	1	80	18160	--	--	--	--	--	--	--	--	--	--	--	--
MIL	1	2	200	--	--	--	1	4	404	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PCML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JNL	1	1	200	--	--	--	1	2	160	--	--	--	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SISCL	1	1	50	--	--	--	1	2	280	--	--	--	--	--	--	--	--	--
SECL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	1	4	1320	--	--	--	1	3	320	--	--	--	--	--	--	1	1	50
VSLPPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC EMTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SEML	--	--	--	1	12	4800	--	--	--	--	--	--	--	--	--	--	--	--
JAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SPL	--	--	--	--	--	--	1	5	3962	--	--	--	--	--	--	--	--	--
BLMCL	--	--	--	1	19	7600	--	--	--	--	--	--	--	--	--	--	--	--
JPL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	236	407	42976	101	519	84520	213	894	350243	9	19	1368	7	15	2432	39	162	16591

STATEMENT NO. 4.9
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2013.

STATE/DISTRICT	VENTILATOR				WINDING ENGINES				PUMPS				COAL HANDLING PLANTS		WORKSHOP MACHINERIES			
	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																		
ANDHRA PRADESH																		
Adilabad	33	14489	19	380	1	300	--	--	160	20198	33	4455	48	2650	4	1480	2	45
Karimnagar	28	6820	32	2335	--	--	1	350	231	28211	47	5805	66	7733	6	17637	39	366
Khammam	18	3660	2	200	4	1546	--	--	65	11979	47	5855	64	3437	2	3990	36	161
Warangal	13	3050	12	240	--	--	--	--	68	8525	6	675	14	420	1	540	--	--
TOTAL : ANDHRA PRADESH	92	28019	65	3155	5	1846	1	350	524	68913	133	16790	192	14240	13	23647	77	572
ARUNACHAL PRADE																		
Chaglong	--	--	--	--	--	--	--	--	--	--	2	300	--	--	--	--	3	10
ASSAM																		
Tinsukia	3	85	2	40	--	--	--	--	8	620	9	2752	3	989	--	--	9	34
CHATTISGARH																		
Bilaspur	2	301	--	--	--	--	--	--	7	1550	--	--	5	120	1	20	8	53
Raigarh	6	960	14	480	--	--	--	--	27	1979	47	7257	40	1466	1	1000	2	6
Surguja	12	2182	--	--	--	--	--	--	94	11677	24	2349	55	4661	1	1200	43	266
Korea	25	4746	5	188	1	590	2	800	120	11898	1	40	42	1114	2	1090	101	649
Korba	14	2708	5	100	2	536	--	--	65	11728	63	11623	73	9799	2	60	83	816
Surajpur	--	--	--	--	--	--	--	--	--	--	3	180	--	--	--	--	--	--
TOTAL : CHATTISGARH	59	10897	24	768	3	1126	2	800	313	38832	138	21449	215	17160	7	3370	237	1790
JHARKHAND																		
Deoghar	--	--	--	--	--	--	--	--	--	--	3	400	3	557	--	--	4	10
Dhanbad	111	22283	77	2434	56	25973	21	3529	489	87688	105	16308	255	27039	6	3240	210	2035
Giridih	--	--	--	--	--	--	--	--	--	--	5	1288	5	246	--	--	--	--
Godda	--	--	--	--	--	--	--	--	--	--	7	2200	--	--	1	2700	10	58
Hazaribagh	31	3010	15	776	--	--	--	--	59	9018	202	26120	222	21919	1	23183	142	1063
Palamau	1	30	--	--	--	--	--	--	--	--	14	1933	5	834	--	--	6	11
Ranchi	1	120	--	--	--	--	--	--	4	410	14	3415	6	1156	1	130	16	245
Sahebganj	--	--	--	--	--	--	--	--	--	--	1	50	1	25	--	--	--	--
Bokaro	15	1688	15	815	4	1760	--	--	40	4255	40	9728	36	4091	1	410	31	144
Pakur	--	--	--	--	--	--	--	--	--	--	8	2120	1	124	--	--	--	--
Chatra	2	360	--	--	--	--	--	--	2	200	7	2814	5	251	--	--	9	35
Latehar	--	--	--	--	--	--	--	--	--	--	2	314	1	5	--	--	--	--
Ramgarh	--	--	--	--	--	--	--	--	--	--	6	1210	4	400	--	--	4	26
TOTAL : JHARKHAND	161	27491	107	4025	60	27733	21	3529	594	101571	414	67900	544	56647	10	29663	432	3627
JAMMU & KASHMIR																		
Rajauri	2	135	1	50	--	--	--	--	3	330	--	--	--	--	--	--	--	--
Udhampur	1	30	--	--	--	--	--	--	1	20	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	3	165	1	50	--	--	--	--	4	350	--	--	--	--	--	--	--	--
MADHYA PRADESH																		
Narsipur	--	--	--	--	--	--	--	--	--	--	4	414	14	387	--	--	10	29
Betul	10	2839	4	207	--	--	--	--	15	1487	--	--	7	654	--	--	32	177
Chhindwara	17	2476	2	200	--	--	--	--	78	6498	12	1298	35	1954	--	--	82	570
Shahdol	25	4540	22	460	1	425	--	--	186	18916	21	3774	60	3097	3	2200	114	676
Sidhi	--	--	--	--	--	--	--	--	--	--	42	19716	7	3957	3	15116	36	222
Umaria	9	1840	--	--	--	--	--	--	34	3891	3	505	12	725	--	--	9	48
Anuppur	1	130	--	--	--	--	--	--	7	490	4	725	4	105	--	--	7	53
Singrauli	--	--	--	--	--	--	--	--	--	--	23	1542	12	350	3	7487	4	524
TOTAL : MADHYA PRADESH	62	11825	28	867	1	425	--	--	320	31282	109	27974	151	11229	9	24803	294	2299

STATEMENT NO. 4.9(cont..)

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.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
MAHARASHTRA																			
Chandrapur	22	3295	7	240	2	127	1	225	90	15610	95	19957	56	7127	29	8477	166	824	
Nagpur	9	1836	18	444	--	--	--	--	81	8361	35	10078	26	1790	3	1861	55	352	
Yavatmal	1	120	1	20	--	--	--	--	15	1362	40	8174	32	1450	5	4008	61	392	
TOTAL : MAHARASHTRA	32	5251	26	704	2	127	1	225	186	25333	170	38209	114	10367	37	14346	282	1568	
ORISSA																			
Angul	6	1219	4	80	1	160	4	250	20	3400	54	10830	43	4284	3	973	40	158	
Sambalpur	--	--	--	--	--	--	--	--	--	--	8	970	2	9	--	--	--	--	
Sundergarh	--	--	--	--	--	--	--	--	--	--	11	2225	2	210	--	--	--	--	
Jharsuguda	8	1690	2	120	2	251	--	--	27	5605	20	5279	19	2348	--	--	38	333	
TOTAL : ORISSA	14	2909	6	200	3	411	4	250	47	9005	93	19304	66	6851	3	973	78	491	
UTTAR PRADESH																			
Sonebhadra	--	--	--	--	--	--	--	--	12	3755	37	14788	5	196	3	14873	42	783	
WEST BENGAL																			
Bankura	1	220	4	80	--	--	--	--	4	407	4	598	8	191	--	--	--	--	
Birbhum	--	--	--	--	--	--	--	--	2	113	3	795	1	10	--	--	--	--	
Burdwan	127	19367	7	225	43	9264	100	10479	461	60494	63	10957	174	10414	4	2710	171	1217	
Purulia	2	220	--	--	--	--	--	--	9	1170	--	--	--	--	--	--	9	43	
TOTAL : WEST BENGAL	130	19807	11	305	43	9264	100	10479	476	62184	70	12350	183	10615	4	2710	180	1260	
ALL INDIA : COAL	556	106449	270	10114	117	40932	129	15633	2484	341845	1175	221816	1473	128294	86	114385	1634	12434	
2. LIGNITE																			
GUJARAT																			
Bharuch	--	--	--	--	--	--	--	--	--	--	11	725	5	285	--	--	8	26	
Bhavanagar	--	--	--	--	--	--	--	--	--	--	3	237	2	12	1	180	4	11	
Kutch	--	--	--	--	--	--	--	--	2	470	5	140	3	32	--	--	--	--	
Surat	--	--	--	--	--	--	--	--	--	--	7	500	3	63	1	3060	4	3	
TOTAL : GUJARAT	--	--	--	--	--	--	--	--	2	470	26	1602	13	392	2	3240	16	40	
RAJASTHAN																			
Barmer	--	--	--	--	--	--	--	--	--	--	8	1371	41	440	--	--	--	--	
Bikaner	--	--	--	--	--	--	--	--	--	--	6	483	2	45	--	--	--	--	
Nagaur	--	--	--	--	--	--	--	--	--	--	15	1500	--	--	--	--	--	--	
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--	--	29	3354	43	485	--	--	--	--	
TAMILNADU																			
Cuddalore	--	--	--	--	--	--	--	--	--	--	70	59308	55	9849	--	--	6	63	
ALL INDIA : LIGNITE	--	--	--	--	--	--	--	--	2	470	125	64264	111	10726	2	3240	22	103	
ALL INDIA: COAL & LIGNITE	556	106449	270	10114	117	40932	129	15633	2486	342315	1300	286080	1584	139020	88	117625	1656	12537	

STATEMENT NO. 4.10
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2013 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.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19				
BCCL	89	16089	25	879	48	21803	22	2530	303	51097	88	13588	204	21429	7	3650	194	1927				
CCL	47	4748	16	791	1	100	--	--	91	12198	135	32521	108	10860	1	130	168	1250				
ECL	137	20299	18	700	40	8754	97	9669	493	63642	80	13375	199	11895	5	5410	183	1292				
MCL	14	2909	6	200	3	411	4	250	47	9005	85	18334	64	6842	3	973	78	491				
NCL	--	--	--	--	--	--	--	--	12	3755	81	35604	13	4408	7	30391	81	1514				
NEC	3	85	2	40	--	--	--	--	8	620	9	2752	3	989	--	--	9	34				
SECL	90	16637	32	748	4	1551	2	800	518	60544	121	18536	253	19903	9	4570	367	2567				
WCL	57	10416	26	991	2	127	1	225	275	33078	160	35960	142	12597	37	14346	391	2170				
CIL	437	71183	125	4349	98	32746	126	13474	1747	233939	759	170670	986	88923	69	59470	1471	11245				
JSMDC	--	--	--	--	--	--	--	--	--	2	314	1	5	--	--	--	--	--	--	--		
DVC	--	--	--	--	--	--	--	--	--	3	315	1	55	--	--	--	--	--	--	--		
GMDC	--	--	--	--	--	--	--	--	2	470	21	1152	11	282	--	--	16	40				
IISCO	7	2700	--	--	8	3830	--	--	37	8221	8	985	18	935	--	--	14	88				
J&K Min.	3	165	1	50	--	--	--	--	4	350	--	--	--	--	--	--	--	--	--	--		
NLC	--	--	--	--	--	--	--	--	--	74	59641	56	9864	--	--	6	63					
SCCL	92	28019	65	3155	5	1846	1	350	524	68913	133	16790	192	14240	13	23647	77	572				
TISCO	10	3132	45	1160	4	950	2	1809	138	27847	143	12656	185	20712	1	23183	41	286				
PIL	--	--	--	--	--	--	--	--	--	8	2120	1	124	--	--	--	--	--	--	--		
GIPCL	--	--	--	--	--	--	--	--	--	5	450	2	110	1	3060	--	--	--	--	--		
GHCL	--	--	--	--	--	--	--	--	--	--	--	--	--	1	180	--	--	--	--	--		
JSPL	--	--	--	--	--	--	--	--	--	20	4015	2	40	1	1000	--	--	--	--	--		
BENGAL EMFTA	--	--	--	--	--	--	--	--	--	7	2301	2	320	--	--	--	--	--	--	--		
APMDTC	--	--	--	--	--	--	--	--	--	2	300	--	--	--	--	3	10					
BLAI	--	--	--	--	--	--	--	--	--	4	414	14	387	--	--	10	29					
ICML	--	--	--	--	--	--	--	--	--	3	1201	2	28	--	--	12	44					
INDAL	--	--	--	--	--	--	--	--	--	8	970	2	9	--	--	--	--	--	--	--		
MIL	3	670	14	480	--	--	--	--	20	1445	--	--	23	253	--	--	--	--	--	--		
RSMML	--	--	--	--	--	--	--	--	--	15	1501	30	--	--	--	--	--	--	--	--		
PCML	--	--	--	--	--	--	--	--	--	8	2120	1	124	--	--	--	--	--	--	--		
JNL	1	100	--	--	--	--	--	--	2	140	--	--	3	15	--	--	--	--	--	--		
RASL	--	--	--	--	--	--	--	--	--	15	2183	8	118	--	--	--	--	--	--	--		
SISCL	1	60	6	120	--	--	--	--	2	225	--	--	2	15	--	--	3	50				
SECL	--	--	--	--	--	--	--	--	--	4	725	3	75	--	--	--	--	--	--	--		
ELCALTD	1	330	14	800	2	1560	--	--	8	750	--	--	3	360	--	--	--	--	--	--		
VSLPPL	--	--	--	--	--	--	--	--	--	2	150	1	30	--	--	--	--	--	--	--		
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	1	31	--	--	--	--	--	--	--		
UML	--	--	--	--	--	--	--	--	--	5	516	2	508	--	--	--	--	--	--	--		
DVC EMTA	--	--	--	--	--	--	--	--	--	13	1959	2	280	--	--	2	95					
SEML	--	--	--	--	--	--	--	--	--	9	820	1	30	--	--	--	--	--	--	--		
MSMCL	--	--	--	--	--	--	--	--	--	1	20	1	20	1	3123	--	--	--	--	--		
JAL	1	90	--	--	--	--	--	--	2	15	--	--	2	18	--	--	--	--	--	--		
SPL	--	--	--	--	--	--	--	--	--	20	422	10	75	1	3962	1	15					
BLMCL	--	--	--	--	--	--	--	--	--	8	1370	11	440	--	--	--	--	--	--	--		
JPL	--	--	--	--	--	--	--	--	--	--	--	5	594	--	--	--	--	--	--	--		
ALL INDIA	556	106449	270	10114	117	40932	129	15633	2486	342315	1300	286080	1584	139020	88	117625	1656	12537				

SECTION – V

ACCIDENT

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/susp'n. 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								
1	2	3	4	5	6	7	8	9	10	11	12
1991	138	143	33	803	821	0.26	1.54	0.08	0.50	0.60	3.59
1992	165	183	60	810	834	0.33	1.62	0.11	0.53	0.73	3.58
1993	156	176	22	854	881	0.32	1.65	0.10	0.53	0.68	3.46
1994	156	241	40	717	735	0.46	1.48	0.15	0.47	0.90	2.90
1995	137	219	23	757	790	0.43	1.58	0.14	0.51	0.77	2.86
1996	131	146	20	677	703	0.29	1.43	0.09	0.45	0.48	2.38
1997	143	165	22	678	704	0.33	1.44	0.10	0.46	0.52	2.29
1998	128	146	18	523	542	0.30	1.14	0.10	0.37	0.46	1.75
1999	127	138	21	595	629	0.29	1.37	0.09	0.44	0.44	2.06
2000	117	144	28	661	679	0.31	1.54	0.10	0.49	0.43	2.11
2001	105	141	14	667	706	0.32	1.64	0.10	0.53	0.41	2.10
2002	81	97	15	629	650	0.23	1.57	0.07	0.50	0.27	1.83
2003	83	113	12	563	578	0.27	1.42	0.09	0.45	0.30	1.56
2004	87	96	14	962	977	0.24	2.45	0.07	0.77	0.23	2.42
2005	96	117	19	1106	1119	0.29	2.85	0.09	0.91	0.28	2.70
2006	78	137	15	861	876	0.36	2.31	0.11	0.73	0.32	2.07
2007	76	78	11	923	940	0.21	2.51	0.06	0.78	0.16	1.98
2008	80	93	16	686	693	0.25	1.92	0.08	0.59	0.18	1.40
2009	83	93	14	636	646	0.25	1.76	0.08	0.55	0.17	1.18
2010	97	118	23	480	488	0.32	1.38	0.10	0.43	0.20	0.85
2011	65	67	10	533	546	0.18	1.52	0.06	0.47	0.11	0.92
2012	79	83	6	536	542	0.23	1.53	0.07	0.47	0.13	0.89
2013	77	82	11	456	457	0.23	1.31	0.07	0.41	0.13	0.74

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
1989	0.29	0.39	0.42	0.17	0.32	1.64	2.21	1.11	1.04	1.73
1990	0.27	0.33	0.42	0.20	0.30	1.63	2.38	1.16	0.96	1.79
1991	0.25	0.26	0.39	0.20	0.26	1.45	1.96	1.00	0.98	1.54
1992	0.30	0.39	0.52	0.16	0.33	1.46	2.14	0.79	1.01	1.62
1993	0.29	0.39	0.37	0.19	0.32	1.56	2.19	0.83	1.01	1.65
1994	0.30	0.59	0.64	0.15	0.46	1.37	2.08	0.86	0.67	1.48
1995	0.27	0.60	0.38	0.13	0.43	1.47	2.07	1.05	0.93	1.58
1996	0.26	0.31	0.42	0.19	0.29	1.34	1.83	1.10	0.86	1.43
1997	0.28	0.41	0.42	0.14	0.33	1.35	1.71	1.25	1.05	1.44
1998	0.26	0.36	0.35	0.16	0.30	1.06	1.41	1.06	0.70	1.14
1999	0.27	0.33	0.43	0.16	0.29	1.25	1.73	1.19	0.81	1.37
2000	0.26	0.30	0.74	0.13	0.31	1.44	1.92	1.67	0.82	1.54
2001	0.24	0.43	0.38	0.10	0.32	1.52	2.10	1.12	1.07	1.64
2002	0.19	0.27	0.32	0.11	0.23	1.49	2.07	1.43	0.80	1.57
2003	0.20	0.33	0.35	0.13	0.27	1.35	1.85	1.30	0.77	1.42
2004	0.21	0.27	0.47	0.05	0.24	2.37	3.69	1.24	1.02	2.45
2005	0.20	0.34	0.42	0.15	0.29	2.27	4.23	1.45	1.37	2.85
2006	0.20	0.52	0.33	0.09	0.36	2.23	3.40	1.30	1.11	2.31
2007	0.20	0.13	0.46	0.14	0.21	2.43	3.91	1.10	1.15	2.51
2008	0.22	0.21	0.45	0.18	0.25	1.86	2.87	0.98	0.92	1.92
2009	0.22	0.25	0.40	0.14	0.25	1.70	2.72	0.67	0.93	1.76
2010	0.26	0.33	0.51	0.15	0.32	1.30	2.03	0.83	0.68	1.38
2011	0.17	0.13	0.35	0.13	0.18	1.25	2.23	0.91	0.79	1.52
2012	0.22	0.16	0.43	0.17	0.23	1.49	2.22	0.74	1.03	1.53
2013	0.22	0.14	0.46	0.17	0.23	1.27	2.04	0.67	0.66	1.31

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

Cause / Year	2008	2009	2010	2011	2012	2013
1. GROUND MOVEMENT						
Fall of Roof	14(17)	17(21)	15(18)	11(12)	5(6)	8(13)
Fall of Side	6(6)	8(9)	6(7)	2(2)	6(6)	2(2)
Other Ground Movement	1(5)	1(2)	1(1)	2(2)	--	2(2)
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	1(1)	--	--	1(1)	--	--
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	4(4)	5(5)	3(4)	3(3)	2(2)	3(3)
Wheeled Trackless Transp.	22(23)	22(22)	34(36)	23(24)	27(27)	29(29)
Other Transp. Machinery	2(2)	4(4)	4(4)	2(2)	3(3)	1(1)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	10(10)	15(15)	7(7)	6(6)	14(14)	12(12)
5. EXPLOSIVES	1(1)	--	2(16)	1(1)	3(3)	--
6. ELECTRICITY	5(6)	2(2)	8(8)	5(5)	3(3)	7(7)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	2(6)	2(4)	1(1)	--	3(5)	--
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	6(6)	2(2)	6(6)	1(1)	8(8)	8(8)
Fall of Objects	4(4)	2(2)	4(4)	4(4)	1(1)	3(3)
Other Falls	--	--	--	--	--	2(2)
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	2(2)	--
Flying Pieces	--	--	--	--	--	--
Miscellaneous	2(2)	3(5)	6(6)	4(4)	2(3)	--
T O T A L	80(93)	83(93)	97(118)	65(67)	79(83)	77(82)
B E L O W G R O U N D :	32(39)	39(46)	41(60)	23(24)	25(28)	19(24)
O P E N C A S T :	29(35)	29(32)	40(42)	29(30)	37(38)	40(40)
A B O V E G R O U N D :	19(19)	15(15)	16(16)	13(13)	17(17)	18(18)

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

STATEMENT NO. 5.4
Causewise Trend of Serious Accidents in Coal Mines

Cause / Year	2008	2009	2010	2011	2012	2013
1. GROUND MOVEMENT						
Fall of Roof	30 (33)	28 (36)	17 (24)	16 (24)	21 (24)	17 (21)
Fall of Side	39 (40)	29 (32)	36 (37)	23 (25)	20 (22)	19 (20)
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)
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	90 (90)	72 (73)	37 (44)	54 (54)	48 (49)	42 (42)
Wheeled Trackless Transp.	20 (22)	24 (28)	22 (27)	24 (27)	20 (21)	22 (24)
Other Transp. Machinery	16 (16)	7 (7)	13 (13)	11 (12)	8 (8)	9 (9)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	40 (42)	36 (37)	24 (24)	33 (34)	23 (23)	27 (27)
5. EXPLOSIVES	1 (1)	3 (5)	5 (11)	3 (4)	0 (1)	1 (1)
6. ELECTRICITY	--	2 (2)	3 (3)	1 (1)	3 (3)	2 (6)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	0 (14)	1 (2)	--	--	1 (3)	--
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	202 (203)	194 (196)	133 (133)	167 (168)	168 (168)	135 (135)
Fall of Objects	146 (146)	108 (109)	84 (86)	74 (74)	87 (87)	88 (88)
Other Falls	3 (3)	7 (7)	4 (4)	6 (6)	9 (9)	6 (6)
9. OTHER CAUSES						
Irruption of Water	--	1 (1)	--	--	--	--
Flying Pieces	1 (1)	--	--	1 (1)	--	--
Miscellaneous	98 (98)	121 (121)	102 (104)	106 (106)	123 (124)	85 (85)
T O T A L	686 (709)	636 (660)	480 (511)	533 (556)	536 (548)	456 (468)
BELOW GROUND :	516 (536)	490 (506)	348 (370)	379 (397)	374 (382)	336 (341)
OPENCAST :	74 (76)	50 (54)	62 (69)	73 (78)	61 (65)	56 (59)
ABOVE GROUND :	96 (97)	96 (100)	70 (72)	81 (81)	101 (101)	64 (68)

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	2007	2008	2009	2010	2011	2012	2013
1	Overwinding of cages, skip or bucket	--	--	5	2	1	3	1
2	Spontaneous heating of coal in underground	2	5	--	5	6	6	4
3	Spontaneous heating of coal on surface	3	--	--	--	--	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	1	--	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
9	Premature collapse of workings or failure of pillars	2	--	2	2	--	-	1
10	Influx of noxious gases	2	--	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
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	4	3	--	--	1	-	-
15	Irruption of water	--	3	--	1	1	2	1
16	Subsidence	1	1	--	--	--	-	-
17	Explosives	3	2	--	--	--	-	-
18	Others	5	7	12	10	10	9	27
Total		24	24	28	25	23	29	47

STATEMENT NO. 5.6a
**Number of accidents and placewise casualties/seriously injured persons in
 coal mines by state and district during the year 2013**

Sl. No.	Mineral/State/ District	Number of Accidents		No. of Persons Killed						No. of Persons Seriously Injured								
				Below Ground			Above Ground			Total			Below Ground			Above Ground		
		Fatal	Serious	M	M	F	M	F	M	F	M	F	M	F	M	F	M	F
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16			
1.	COAL																	
	ANDHRA PRADESH																	
	Adilabad	2	136	0	2	0	0	0	2	112	3	0	21	0	136			
	Karimnagar	2	100	0	1	0	1	0	2	74	16	0	16	0	106			
	Khammam	6	28	2	2	0	3	0	7	13	7	0	8	0	28			
	Warangal	0	49	0	0	0	0	0	0	43	1	0	5	0	49			
	TOTAL : ANDHRA PRADESH	10	313	2	5	0	4	0	11	242	27	0	50	0	319			
	CHHATTISGARH																	
	Raigarh	2	1	0	2	0	0	0	2	1	0	0	0	0	1			
	Surguja	2	7	2	0	0	0	0	2	5	2	0	0	0	7			
	Korea	1	4	1	0	0	0	0	1	5	0	0	0	0	5			
	Korba	3	7	0	3	0	0	0	3	4	1	0	2	0	7			
	Surajpur	1	0	0	1	0	0	0	1	0	0	0	0	0	0			
	TOTAL : CHHATTISGARH	9	19	3	6	0	0	0	9	15	3	0	2	0	20			
	JHARKHAND																	
	Dhanbad	13	19	8	4	0	4	0	16	15	3	0	3	0	21			
	Giridih	1	0	0	0	0	1	0	1	0	0	0	0	0	0			
	Hazaribagh	5	3	0	3	0	2	0	5	1	2	0	0	0	3			
	Ranchi	1	1	0	1	0	0	0	1	0	1	0	0	0	1			
	Bokaro	3	1	0	1	1	1	0	3	1	0	0	0	0	1			
	Chatra	1	1	0	1	0	0	0	1	0	0	0	1	0	1			
	TOTAL : JHARKHAND	24	25	8	10	1	8	0	27	17	6	0	4	0	27			
	JAMMU & KASHMIR																	
	Rajauri	1	0	1	0	0	0	0	1	0	0	0	0	0	0			
	TOTAL : JAMMU & KASHMIR	1	0	1	0	0	0	0	1	0	0	0	0	0	0			

Statement 5.6a (Continued...)

Sl. No.	Mineral/State/ District	Number of Accidents			No. of Persons Killed					No. of Persons Seriously Injured					
		Fatal		Serious	Below Ground	Opencast	Above Ground	Total	Below Ground	Opencast	Above Ground	Total	M	F	
		M	M	F	M	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
MADHYA PRADESH															
	Betul	0	4	0	0	0	0	0	0	4	0	0	0	0	4
	Chhindwara	2	8	2	1	0	0	0	3	8	0	0	1	0	9
	Shahdol	4	5	2	2	0	0	0	4	3	2	0	0	0	5
	Sidhi	1	0	0	1	0	0	0	1	0	0	0	0	0	0
	Umaria	1	4	1	0	0	0	0	1	4	0	0	0	0	4
	Anuppur	1	2	1	0	0	0	0	1	2	0	0	0	0	2
	Singrauli	1	2	0	0	0	1	0	1	0	2	0	0	0	2
TOTAL : MADHYA PRADESH		10	25	6	4	0	1	0	11	21	4	0	1	0	26
MAHARASHTRA															
	Chandrapur	2	13	0	0	0	2	0	2	6	4	0	3	0	13
	Nagpur	1	6	0	1	0	0	0	1	5	0	0	1	0	6
	Yavatmal	3	8	0	2	0	1	0	3	0	6	0	2	0	8
TOTAL : MAHARASHTRA		6	27	0	3	0	3	0	6	11	10	0	6	0	27
ORISSA															
	Angul	1	7	0	1	0	0	0	1	1	5	0	2	0	8
	Jharsuguda	0	2	0	0	0	0	0	0	2	0	0	0	0	2
TOTAL : ORISSA		1	9	0	1	0	0	0	1	3	5	0	2	0	10
UTTAR PRADESH															
	Sonebhadra	4	1	0	3	0	1	0	4	0	1	0	0	0	1
TOTAL : UTTAR PRADESH		4	1	0	3	0	1	0	4	0	1	0	0	0	1
WEST BENGAL															
	Bankura	1	1	0	1	0	0	0	1	1	0	0	0	0	1
	Burdwan	8	32	4	3	0	1	0	8	30	0	0	3	0	33
	Purulia	0	1	0	0	0	0	0	0	1	0	0	0	0	1
TOTAL : WEST BENGAL		9	34	4	4	0	1	0	9	32	0	0	3	0	35
ALL INDIA : COAL		74	453	24	36	1	18	0	79	341	56	0	68	0	465

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			Above Ground			Total
			Fatal	Serious	M	M	F	M		M	M	F	M	F	M	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
2. LIGNITE																
	GUJARAT															
Bharuch		1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Bhavanagar		1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
Surat		1	0	0	1	0	0	0	1	0	0	0	0	0	0	0
TOTAL : GUJARAT		3	0	0	3	0	0	0	3	0	0	0	0	0	0	0
	TAMIL NADU															
Cuddalore		0	3	0	0	0	0	0	0	0	3	0	0	0	0	3
TOTAL : TAMIL NADU		0	3	0	0	0	0	0	0	0	3	0	0	0	0	3
ALL INDIA : LIGNITE		3	3	0	3	0	0	0	3	0	3	0	0	0	0	3
ALL INDIA : ALL COAL		77	456	24	39	1	18	0	82	341	59	0	68	0	468	

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 2013

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
1. COAL													
	ANDHRA PRADESH												
	Adilabad	...	1.15	...	0.11	7.31	1.72	15.58	7.38	0.04	2.49	0.17	11.83
	Karimnagar	...	0.21	0.30	0.08	4.49	3.29	4.74	4.29	0.03	1.38	0.07	3.74
	Khammam	0.58	0.52	0.94	0.67	3.79	1.81	2.51	2.67	0.21	0.83	0.25	1.01
	Warangal	...	...	...	...	9.37	1.95	12.35	8.89	...	2.93	...	21.97
TOTAL : ANDHRA PRADESH		0.05	0.46	0.48	0.19	6.08	2.46	6.02	5.40	0.06	1.76	0.16	4.58
CHHATTISGARH													
	Raigarh	...	0.99	...	0.36	0.40	...	...	0.18	0.11	0.05	0.07	0.04
	Surguja	0.48	...	...	0.31	1.20	1.67	...	1.07	0.09	0.30	0.34	1.20
	Korea	0.14	...	...	0.11	0.70	...	...	0.54	0.03	0.15	0.24	1.19
	Korba	...	0.93	...	0.27	1.12	0.31	0.46	0.63	0.08	0.18	0.03	0.08
	Surajpur	...	7.87	...	0.72	...	...	...	...	0.20	...	0.56	...
TOTAL : CHHATTISGARH		0.16	0.91	...	0.26	0.80	0.45	0.22	0.58	0.07	0.17	0.07	0.15
JHARKHAND													
	Dhanbad	0.27	0.39	0.31	0.31	0.51	0.29	0.24	0.40	0.10	0.13	0.41	0.54
	Giridih	...	...	2.97	1.62	...	...	...	...	0.53	...	1.70	...
	Hazaribagh	...	0.65	0.37	0.35	0.24	0.43	...	0.21	0.11	0.07	0.27	0.16
	Ranchi	...	0.82	...	0.35	...	0.82	...	0.35	0.10	0.10	0.19	0.19
	Bokaro	...	0.38	0.29	0.25	0.30	...	...	0.08	0.08	0.03	0.17	0.06
	Chatra	...	1.02	...	0.45	...	...	1.09	0.45	0.14	0.14	0.05	0.05
TOTAL : JHARKHAND		0.21	0.43	0.29	0.30	0.45	0.23	0.14	0.30	0.09	0.09	0.23	0.23
JAMMU & KASHMIR													
	Rajauri	2.94	...	...	2.24	...	...	...	...	0.79	...	51.87	...
TOTAL : JAMMU & KASHMI		2.27	...	...	1.74	...	...	...	...	0.60	...	44.71	...
MADHYA PRADESH													
	Betul	...	...	...	...	0.98	...	...	0.84	...	0.25	...	1.17
	Chhindwara	0.37	3.66	...	0.42	1.46	...	0.73	1.26	0.15	0.46	0.94	2.82
	Shahdol	0.19	3.55	...	0.24	0.28	3.55	...	0.30	0.07	0.09	0.34	0.42
	Sidhi	...	0.18	...	0.09	...	...	...	...	0.03	...	0.03	...
	Umaria	0.38	...	...	0.29	1.52	...	...	1.15	0.08	0.34	0.51	2.03
	Anuppur	1.53	...	...	0.86	3.06	...	...	1.71	0.23	0.47	0.63	1.26
	Singrauli	...	...	1.60	0.61	...	1.97	...	1.22	0.20	0.40	0.18	0.36
TOTAL : MADHYA PRADESH		0.25	0.51	0.07	0.24	0.89	0.51	0.07	0.56	0.08	0.18	0.18	0.41

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	...	...	0.26	0.12	1.29	0.94	0.39	0.79	0.04	0.25	0.09	0.59
	Nagpur	...	1.02	...	0.15	1.29	...	0.52	0.88	0.04	0.26	0.14	0.85
	Yavatmal	...	1.04	0.52	0.67	...	3.13	1.03	1.79	0.20	0.54	0.26	0.70
TOTAL : MAHARASHTRA		...	0.42	0.26	0.22	1.20	1.40	0.52	0.97	0.07	0.30	0.15	0.67
ORISSA													
	Angul	...	0.17	...	0.08	0.55	0.85	0.42	0.64	0.02	0.20	0.02	0.13
	Jharsuguda	...	...	...	...	0.73	...	...	0.27	...	0.08	...	0.07
TOTAL : ORISSA		...	0.10	...	0.05	0.66	0.50	0.29	0.47	0.01	0.14	0.01	0.10
UTTAR PRADESH													
	Sonebhadra	...	0.70	0.25	0.48	...	0.23	...	0.12	0.15	0.04	0.12	0.03
TOTAL : UTTAR PRADESH		...	0.70	0.25	0.48	...	0.23	...	0.12	0.15	0.04	0.12	0.03
WEST BENGAL													
	Bankura	...	2.29	...	0.70	2.21	...	...	0.70	0.22	0.22	0.39	0.39
	Burdwan	0.13	0.88	0.07	0.16	0.94	...	0.21	0.67	0.05	0.21	0.31	1.29
	Purulia	...	...	...	...	0.90	...	...	0.65	...	0.21	...	7.46
TOTAL : WEST BENGAL		0.12	1.00	0.06	0.17	0.96	...	0.19	0.66	0.05	0.21	0.32	1.23
ALL INDIA : COAL		0.14	0.48	0.18	0.23	2.03	0.73	0.69	1.35	0.07	0.42	0.13	0.79
2. LIGNITE													
GUJARAT													
	Bharuch	...	0.95	...	0.76	...	...	...	...	0.25	...	0.49	...
	Bhavanagar	...	4.81	...	2.42	...	...	...	...	0.74	...	0.72	...
	Surat	...	2.26	...	1.93	...	...	...	...	0.54	...	0.25	...
TOTAL : GUJARAT		...	1.26	...	0.92	...	...	...	...	0.29	...	0.23	...
TAMIL NADU													
	Cuddalore	...	...	...	...	...	0.48	...	0.33	...	0.11	...	0.12
TOTAL : TAMIL NADU		...	...	...	...	...	0.48	...	0.33	...	0.11	...	0.12
ALL INDIA : LIGNITE		...	0.31	...	0.21	...	0.31	...	0.21	0.07	0.07	0.06	0.06
ALL INDIA : ALL COAL		0.14	0.46	0.17	0.23	2.03	0.68	0.66	1.31	0.07	0.41	0.13	0.74

STATEMENT NO. 5.7a
Casualty/serious injury rates in coal mines for different companies in 2013

Company	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured							
			Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground		Total
	Fatal	Serious	Male	Male	Female	Male	Female	Male		Male	Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
BCCL	10	13	6	3	0	4	0	13	12	1	0	2	0	15		
CCL	9	6	0	5	1	3	0	9	2	3	0	1	0	6		
ECL	8	36	4	3	0	1	0	8	33	1	0	3	0	37		
MCL	1	9	0	1	0	0	0	1	3	5	0	2	0	10		
NCL	6	3	0	4	0	2	0	6	0	3	0	0	0	3		
SECL	13	30	7	6	0	0	0	13	24	5	0	2	0	31		
WCL	8	38	2	4	0	3	0	9	22	10	0	7	0	39		
TOTAL : C. I. L.	55	135	19	26	1	13	0	59	96	28	0	17	0	141		
GMDC	2	0	0	2	0	0	0	2	0	0	0	0	0	0		
IISCO	2	1	1	1	0	0	0	2	0	1	0	0	0	1		
J&K	1	0	1	0	0	0	0	1	0	0	0	0	0	0		
NLC	0	3	0	0	0	0	0	0	0	3	0	0	0	3		
SCCL	10	313	2	5	0	4	0	11	242	27	0	50	0	319		
TISCO	2	3	1	1	0	0	0	2	2	0	0	1	0	3		
GIPCL	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
JNL	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
JPL	0	1	0	0	0	0	0	0	1	0	0	0	0	1		
ELCALTD	1	0	0	0	0	1	0	1	0	0	0	0	0	0		
JSPL	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
SOVA	1	0	0	1	0	0	0	1	0	0	0	0	0	0		
TOTAL : NON-C. I. L.	22	321	5	13	0	5	0	23	245	31	0	51	0	327		
TOTAL : ALL INDIA	77	456	24	39	1	18	0	82	341	59	0	68	0	468		

STATEMENT NO. 5.7b

Casualty/serious injury rates in coal mines for different companies in 2013

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	0.28	0.31	0.37	0.31	0.55	0.10	0.18	0.36	0.10	0.11	0.36	0.42
CCL	...	0.52	0.27	0.30	0.28	0.26	0.09	0.20	0.09	0.06	0.17	0.11
ECL	0.11	0.73	0.06	0.14	0.93	0.24	0.17	0.65	0.04	0.20	0.21	0.97
MCL	...	0.10	...	0.05	0.66	0.51	0.30	0.47	0.01	0.14	0.01	0.10
NCL	...	0.39	0.19	0.29	...	0.29	...	0.15	0.10	0.05	0.08	0.04
SECL	0.23	1.12	...	0.26	0.78	0.93	0.14	0.62	0.07	0.18	0.11	0.25
WCL	0.11	0.60	0.22	0.23	1.20	1.51	0.52	1.02	0.07	0.32	0.21	0.92
TOTAL : C. I. L.	0.16	0.47	0.15	0.23	0.81	0.48	0.20	0.54	0.07	0.17	0.13	0.30
GMDC	...	1.01	...	0.74	...	...	...	...	0.24	...	0.20	...
IISCO	1.17	1.95	...	1.06	...	1.95	...	0.53	0.34	0.17	2.47	1.24
J&K	2.27	...	...	1.74	...	...	...	...	0.60	...	44.71	...
NLC	...	...	...	...	...	0.46	...	0.32	...	0.10	...	0.11
SCCL	0.05	0.46	0.48	0.19	6.08	2.46	6.02	5.40	0.06	1.76	0.16	4.58
TISCO	0.20	0.72	...	0.27	0.39	...	1.33	0.41	0.09	0.14	0.20	0.30
GIPCL	...	2.54	...	2.09	...	...	...	...	0.58	...	0.34	...
JNL	...	8.62	...	1.34	...	...	...	...	0.44	...	2.62	...
JPL	...	...	...	...	2.93	...	...	2.63	...	0.86	...	5.58
ELCALTD	...	...	8.85	1.56	...	...	...	...	0.51	...	2.52	...
JSPL	...	12.66	...	2.49	...	...	...	...	0.82	...	2.01	...
SOVA	...	12.05	...	10.10	...	...	...	...	2.89	...	3.73	...
TOTAL : NON-C. I. L.	0.10	0.45	0.27	0.24	5.00	1.07	2.74	3.38	0.08	1.09	0.14	1.94
TOTAL : ALL INDIA	0.14	0.46	0.17	0.23	2.03	0.68	0.66	1.31	0.07	0.41	0.13	0.74

STATEMENT NO. 5.8

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

CAUSE OF ACCIDENT	BELOW GROUND					OPEN CAST					ABOVE GROUND					TOTAL				
	Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident					Fatal Accident S/Accident				
	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ	ACC	KILL	INJ	ACC	INJ
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Fall of Roof	8	13	3	16	17	0	0	0	0	0	0	0	0	1	1	8	13	3	17	18
Fall of Sides (Other than Overhangs)	1	1	1	19	19	1	1	0	0	0	0	0	0	0	0	2	2	1	19	19
Landslide	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
Collapse of Shaft	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : GROUND MOVEMENT	9	14	4	35	36	3	3	1	0	0	0	0	0	1	1	12	17	5	36	37
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	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Other Accident due to Winding Operation	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
TOTAL : TRANSPORTATION MACHINERY (WINDING)	0	0	0	2	2	0	0	0	0	0	0	0	0	1	1	0	0	0	3	3
Rope Haulage	3	3	0	41	41	0	0	0	0	0	0	0	0	1	1	3	3	0	42	42
Other Rail Transportation	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Conveyors	1	1	0	6	6	0	0	0	1	1	0	0	0	1	1	1	1	0	8	8
Dumpers	0	0	0	0	0	17	17	0	12	12	6	6	0	2	2	23	23	0	14	14
Wheeled Trackless(Truck, Tanker, etc.)	0	0	0	0	0	5	5	2	7	7	1	1	0	1	1	6	6	2	8	8
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	4	4	0	48	48	22	22	2	20	20	7	7	0	5	5	33	33	2	73	73
Drilling Machines	0	0	0	1	1	3	3	0	1	1	0	0	0	0	0	3	3	0	2	2
Loading Machines	2	2	0	1	1	2	2	0	0	0	0	0	0	0	0	4	4	0	1	1
Shovel, Draglines, Frontend Loader, etc.	0	0	0	4	4	0	0	0	0	0	1	1	0	1	1	1	1	0	5	5
Other Heavy Earth Moving Machinery	0	0	0	0	0	1	1	0	3	3	2	2	0	2	2	3	3	0	5	5
Other Non-Transportation Machinery	0	0	0	10	10	1	1	0	2	2	0	0	0	2	2	1	1	0	14	14
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	2	2	0	16	16	7	7	0	6	6	3	3	0	5	5	12	12	0	27	27

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			Fatal Accident S/Accident		Fatal Accident S/Accident		Fatal Accident S/Accident					
	ACC	KILL	INJ	ACC	KILL	INJ	ACC	KILL	INJ	ACC	KILL	INJ	ACC	KILL	INJ	ACC	KILL	INJ				
1	2	3	4	5	6		7	8	9	10	11		12	13	14	15	16	17	18	19	20	21
Deep Hole Blasting Projectiles	0	0	0	0	0		0	0	0	1	1		0	0	0	0	0	0	0	1	1	
TOTAL : EXPLOSIVES	0	0	0	0	0		0	0	0	1	1		0	0	0	0	0	0	0	1	1	
Overhead Lines	0	0	0	0	0		2	2	0	0	0		0	0	0	0	0	2	2	0	0	0
Switch Gears, Gate End Boxes, Pommel, etc.	0	0	0	0	0		0	0	0	0	0		1	1	0	1	1	1	1	0	1	1
Other Electrical Accidents	0	0	0	0	0		1	1	0	0	0		3	3	4	1	1	4	4	4	1	1
TOTAL : ELECTRICITY	0	0	0	0	0		3	3	0	0	0		4	4	4	2	2	7	7	4	2	2
Fall of Person from Height/into Depth	0	0	0	93	93		1	1	0	17	17		3	3	0	17	17	4	4	0	127	127
Fall of Persons on the Same Level	2	2	0	8	8		1	1	0	0	0		1	1	0	0	0	4	4	0	8	8
Fall of Objects incl. Rolling Objects	2	2	0	70	70		1	1	0	1	1		0	0	0	17	17	3	3	0	88	88
Other Accidents due to Falls	0	0	0	4	4		2	2	0	1	1		0	0	0	1	1	2	2	0	6	6
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	4	4	0	175	175		5	5	0	19	19		4	4	0	35	35	13	13	0	229	229
Unclassified	0	0	0	60	60		0	0	0	10	10		0	0	0	15	15	0	0	0	85	85
TOTAL : OTHER CAUSES	0	0	0	60	60		0	0	0	85	85											
+ 0 0 0 10 10 0 0 0 15 15 0 0 0 85 85																						
ALL INDIA : ALL COAL	19	24	4	336	337		40	40	3	56	56		18	18	4	64	64	77	82	11	456	457

STATEMENT NO. 5.9

Number of fatal accidents in coal mines by major cause and responsibility during the year 2013

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Misadventure	1	-	1	-	-	-	-	1	-	3
Management	2	-	2	1	-	-	-	1	-	6
Management & Sub. Sup. Staff (SSS)	5	-	5	2	-	4	-	1	-	17
Management, SSS & Coworker	-	-	2	1	-	-	-	1	-	4
Management, SSS, Coworker, Deceased & Deceased	-	-	1	-	-	-	-	-	-	1
Management, SSS & Deceased	1	-	-	-	-	-	-	2	-	3
Management & Coworker	-	-	7	2	-	-	-	-	-	9
Management, Coworker & Deceased	-	-	1	1	-	-	-	-	-	2
Subordinate Supervisory Staff (SSS)	2	-	-	-	-	1	-	1	-	4
Sub. Sup. Staff & Shotfirer	1	-	-	-	-	-	-	-	-	1
Sub. Sup. Staff & Coworker	-	-	1	1	-	1	-	-	-	3
Coworker	-	-	5	1	-	-	-	-	-	6
Coworker & Deceased	-	-	3	1	-	-	-	-	-	4
Deceased	-	-	4	2	-	1	-	4	-	11
Others	-	-	1	-	-	-	-	2	-	3
Total	12	0	33	12	0	7	0	13	0	77

STATEMENT NO. 5.10

Causewise number of fatal accidents in coal mines for different companies in 2013

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL
Fall of Roof	2	--	1	--	--	--	2	1	6	1	1	--	--	--	8
Killed-S/Injured :	5- 2	--	1- 0	--	--	--	2- 0	2- 1	10- 3	2- 0	1- 0	--	--	--	13- 3
Fall of Sides	--	1	1	--	--	--	--	--	2	--	--	--	--	--	2
Killed-S/Injured :	--	1- 0	1- 1	--	--	--	--	--	2- 1	--	--	--	--	--	2- 1
Rope Haulage	--	--	1	--	--	--	1	--	2	--	--	--	--	1	3
Killed-S/Injured :	--	--	1- 0	--	--	--	1- 0	--	2- 0	--	--	--	--	1- 0	3- 0
Dumpers	2	3	3	--	4	--	2	2	16	3	--	--	--	4	23
Killed-S/Injured :	2- 0	3- 0	3- 0	--	4- 0	--	2- 0	2- 0	16- 0	3- 0	--	--	--	4- 0	23- 0
Trucks	--	1	--	--	--	--	1	3	5	1	--	--	--	--	6
Killed-S/Injured :	--	1- 0	--	--	--	--	1- 0	3- 0	5- 0	1- 2	--	--	--	--	6- 2
Other Machinery	2	--	1	--	1	--	3	1	8	1	--	--	2	2	13
Killed-S/Injured :	2- 0	--	1- 0	--	1- 0	--	3- 0	1- 0	8- 0	1- 0	--	--	2- 0	2- 0	13- 0
Fall of Persons	3	--	--	--	--	--	1	--	4	3	1	--	--	--	8
Killed-S/Injured :	3- 0	--	--	--	--	--	1- 0	--	4- 0	3- 0	1- 0	--	--	--	8- 0
Fall of Objects	--	--	1	--	1	--	1	--	3	--	--	--	--	--	3
Killed-S/Injured :	--	--	1- 0	--	1- 0	--	1- 0	--	3- 0	--	--	--	--	--	3- 0
Other Causes	1	4	--	1	--	--	2	1	9	1	--	--	--	1	11
Killed-S/Injured :	1- 0	4- 0	--	1- 1	--	--	2- 0	1- 0	9- 1	1- 4	--	--	--	1- 0	11- 5
Below Ground	3	--	4	--	--	--	7	1	15	1	1	--	1	1	19
Killed-S/Injured :	6- 2	--	4- 1	--	--	--	7- 0	2- 1	19- 4	2- 0	1- 0	--	1- 0	1- 0	24- 4
Opencast	3	6	3	1	4	--	6	4	27	5	1	--	1	6	40
Killed-S/Injured :	3- 0	6- 0	3- 0	1- 1	4- 0	--	6- 0	4- 0	27- 1	5- 2	1- 0	--	1- 0	6- 0	40- 3
Above Ground	4	3	1	--	2	--	--	3	13	4	--	--	--	1	18
Killed-S/Injured :	4- 0	3- 0	1- 0	--	2- 0	--	--	3- 0	13- 0	4- 4	--	--	--	1- 0	18- 4
TOTAL	10	9	8	1	6	--	13	8	55	10	2	--	2	8	77
Killed-S/Injured :	13- 2	9- 0	8- 1	1- 1	6- 0	--	13- 0	9- 1	59- 5	11- 6	2- 0	--	2- 0	8- 0	82- 11

STATEMENT NO. 5.11

Causewise number of serious accidents in coal mines for different companies in 2013

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL	
Fall of Roof	--	--	--	--	--	--	4	2	6	10	--	--	1	--	17	
S/Injured	:	--	--	--	--	--	5	2	7	10	--	--	1	--	18	
Fall of Sides	1	--	--	1	--	--	7	3	12	7	--	--	--	--	19	
S/Injured	:	1	--	--	1	--	7	3	12	7	--	--	--	--	19	
Rope Haulage	--	--	3	--	--	--	2	1	6	36	--	--	--	--	42	
S/Injured	:	--	--	3	--	--	2	1	6	36	--	--	--	--	42	
Dumpers	--	1	--	2	--	--	--	4	7	7	--	--	--	--	14	
S/Injured	:	--	1	--	2	--	--	4	7	7	--	--	--	--	14	
Trucks	--	--	--	--	3	--	1	2	6	--	--	2	--	--	8	
S/Injured	:	--	--	--	--	3	--	1	2	6	--	2	--	--	8	
Other Machinery	3	--	3	1	--	--	4	6	17	20	--	1	1	--	39	
S/Injured	:	3	--	3	1	--	--	4	6	17	20	--	1	1	--	39
Explosives	--	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
S/Injured	:	--	--	--	--	--	--	--	--	1	--	--	--	--	1	
Fall of Persons	4	3	18	3	--	--	7	9	44	90	--	--	--	1	135	
S/Injured	:	4	3	18	3	--	--	7	9	44	90	--	--	1	135	
Fall of Objects	1	--	7	2	--	--	2	6	18	70	--	--	--	--	88	
S/Injured	:	1	--	7	2	--	--	2	6	18	70	--	--	--	--	88
Other Causes	4	2	5	--	--	--	3	5	19	72	1	--	1	--	93	
S/Injured	:	4	2	5	--	--	--	3	5	19	72	1	--	1	--	93
Below Ground	10	2	32	3	--	--	23	21	91	242	--	--	2	1	336	
S/Injured	:	10	2	32	3	--	--	24	21	92	242	--	--	2	1	337
Opencast	1	3	1	4	3	--	5	10	27	25	1	3	--	--	56	
S/Injured	:	1	3	1	4	3	--	5	10	27	25	1	3	--	--	56
Above Ground	2	1	3	2	--	--	2	7	17	46	--	--	1	--	64	
S/Injured	:	2	1	3	2	--	--	2	7	17	46	--	--	1	--	64
TOTAL	13	6	36	9	3	--	30	38	135	313	1	3	3	1	456	
S/Injured	:	13	6	36	9	3	--	31	38	136	313	1	3	3	1	457

STATEMENT NO. 5.12
Regionwise/zonewise number of accidents and resultant casualties/seriously injured persons in coal mines in 2013

Region / Zone	Fatal Accidents			Serious Accidents	
	2013			2013	
	No. of Accident	Killed	S/Injured	No. of Accident	S/Injured
Dhanbad I	2	2	--	2	2
Dhanbad II	5	8	2	9	9
Dhanbad III	7	7	--	8	8
Koderma	3	3	--	1	1
Central Zone	17	20	2	20	20
Sitarampur I	4	4	--	14	14
Sitarampur II	3	3	--	13	13
Sitarampur III	2	2	1	7	7
Eastern Zone	9	9	1	34	34
Ahmedabad	1	1	--	--	--
Surat	1	1	--	--	--
Udaipur	1	1	--	--	--
North-Western Zone	3	3	--	--	--
Ghaziabad	1	1	--	--	--
Varanasi	6	6	--	3	3
Northern Zone	7	7	--	3	3
Hyderabad I	8	9	6	177	177
Hyderabad II	2	2	--	136	136
South-Central Zone	10	11	6	313	313
Bhubaneswar	1	1	1	9	9
Raigarh	1	1	--	--	--
Ranchi	7	7	--	5	5
South-Eastern Zone	9	9	1	14	14

Statement 5.12 (Continued...)

Region / Zone	Fatal Accidents			Serious Accidents		
	2013			2013		
	No. of Accident	Killed	S/Injured	No. of Accident	S/Injured	
Chennai	--	--	--	3	3	
Southern Zone	--	--	--	3	3	
Bilaspur	8	8	--	19	20	
Jabalpur	6	6	--	11	11	
Nagpur I	3	4	1	18	18	
Nagpur II	5	5	--	21	21	
Western Zone	22	23	1	69	70	
ALL INDIA	77	82	11	456	457	

STATEMENT NO. 5.13

Summary of Findings of Fatal Accidents during the year, 2013

Code : 0100 **Ground Movement**

Code : 0111 Fall of Roof (13 Deaths)

Mine – PADMAVATHIKHANI NO. 5 INCLINE

Owner - Singareni Collieries Company Ltd.

Dist = Khammam State = Andhra Pradesh

Person(s) Killed :

1. Rayudu Shankaraiah, Coal Cutter, Male, 50 Years
 2. Ambala Papaiah, Roof Bolter, Male, 53 Years

While two persons were engaged in disconnection and removal of stowing pipe in goaf, suddenly a roof measuring about 15.5 meters in length, 3.6m to 7 m(width) and 1.6 to 3.2m thickness parted from the roof and buried two persons completely to which they succumbed instantly.

Had the in bye slice of the original galleries been completely stowed with sand before driving the 1st slice in a half of the pillar as required under condition no 2.3 of the permission letter no H1/010072/Perm/2010/445-48 dated 23.05.2010 granted under Regulation 100(1) of The CMR-1957 and person were not allowed to enter the goaf as required under regulation 112(2) of CMR-1957, this accident could have been averted.

2. Date - 04/03/13 Mine - NAHERIYA UG MINE
Time - 20.45 Owner - Western Coalfields Ltd.
Dist. - Chhindwara, State - Madhya Pradesh
Person(s) Killed :

1. Sharmanand, Mining Sardar, Male, 39 Years
2. Ashok Kumar, Blasting Mazdoor, Male, 50 Yrs

While a crew of three explosive carrier/blasting mazdoors were carrying explosives to a development face and another crew of three contractor's workers working as support personal were drilling an upward hole for roof bolting at the immediate outbye junction of the development face in presence of a mining Sirdar, suddenly a mass of sandstone roof, measuring about 5.2m X 4.8m X 2.3m(thick) parted from roof the junction and fell from a height of about 2.9m inflicting fatal injuries to a blasting mazdoor and the Mining Sirdar and serious bodily injuries to a contractor's worker.

Had

- i) The roof of the junction been reinforced by connecting roof bolts in a row with W-straps or steel channels as required under Condition No 3.2 of the Systematic Support Rules, approved vide Letter No. NR-1/010576/SSR/Nehria/10/110 dated 27.01.2010 under Regulation 108 of the Coal Mines Regulations, 1957,
 - ii) the break/crack/disturbance present in the roof of the junction been supported by cogs at intervals not exceeding 1.2m in addition to the roof bolts as required under Condition at intervals not exceeding 1.2m in addition to the roof bolts as required Condition No. 4.4 of the Systematic

Support Rules, approved vide Letter no. NR-1/010576/SSR/Nehria/10/110 dated 27.01.2010 under Regulation 108 of the Coal Mines Regulations, 1957 and

iii) the stability of the roadway junction been monitored by using suitable instruments (convergence indicators/borehole extensometers, etc.) and indicator props so that the impending fall could be detected in advance as required under Condition no. 9.0 of the Systematic Support Rules, Approved vide Letter No. NR-1/010576/SSR/Nehria/10/110 dated 27.01.2010 under Regulation 108 of the Coal Mines Regulations, 1957,

this accident could have been averted.

3. Date – 13/03/13

Mine – CHASNALLA COLLIERY

Time – 02.30

Owner – Indian Iron & Steel Company Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Ram Nivash Gope, Explosive Carrier, Male, 26 Years

While an explosive carrier was climbing up an steeply rising chimney in an underground coal mine, suddenly a coal side of an inset above measuring about 2.4m length X 1.0m width X 0.20m to 0.50m thick parted and fell from a height of 1.7m inflicting serious bodily injury to explosive carrier to which he succumbed within two and half hours.

Had

i) the side of the insert been supported by vertical steel props at interval not exceeding 1.2m with suitable laggings put tightly against sides of the pillars or by two rows of roof bolts at a grid of 1.0m X 1.0m, as required under condition No. 5.2(a) or 5.2(b) of the Systematic Support Rules framed under Regulation 108(1) of the Coal Mines Regulations, 1957, for No. 12 seam of the mine and

ii) the inset gallery in the vicinity of the fault been supported by yielding arch support at intervals not exceeding 1.0m with suitable laggings put tightly against the roof, as required under condition No. 5.4 of the Systematic Support Rules framed under Regulation 108(1) of the Coal Mines Regulations, 1957 for No. 12 seam of the mine,

this accident could have been averted.

4. Date – 22/06/13

Mine – AKASHKINARI

Time – 12.30

Owner – Bharat Coking Coal Ltd.

Dist. – Dhanbad, State – Jharkhand

Person(s) Killed :

1. Mahadeo Mahato, Roof Bolter, Male, 48 Years

While a crew of three roof bolters were drilling holes in the roof of a development face connected to its rise side during previous shift, suddenly a mass of sandstone roof measuring about 1.8m (length) X 0.60m (wide) X 0.85m (thick), fell down from a height of 3.2m inflictiong fatal injuries to one roof bolter.

Had

i) the unsupported span of the roof been provided with temporary supports before deploying roof bolting crew for drilling holes for permanent support by roof bolts under the same as required by condition 1.2 of Systematic Support Rules modified vide this Directorate's letter No. 010141/01/2012/SSR/449 dated 29.02.12 and

ii) the roof on either side of the place of accident been kept supported with roof bolts at maximum interval of 1.2m between the bolts in the same row and the a spacing of 1.2m between two rows as required by condition 1.3 and 1.4 of Systematic Support Rules modified vide this Directorats's letter no. 010141/01/2012/SSR/449 dated 29.02.2012

iii) the distance of the first row of bolts from the 10th dip face off 38 level been not more than 0.6m as required by condition 1.4 of Systematic Support Rules modified vide this Directorate's letter No. 010141/01/2012/SSR/449 dated 29.02.2012,

this accident could have been averted.

5. Date - 14/07/13
Time - 19.45

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

1. Radhey Sbyoo, Roof Botler, Male, 58 Years

While a crew of four roofbolters were drilling holes in the roof in the presence of Sirdar in a depillaring panel, a piece of shale measuring about 1.60m X 0.65m X 0.05m-0.20m parted from the roof from a height of about 3.0m entrapping one of them beneath it resulting in almost instant fatal injury to him while others escaped unhurt.

Had the roof of the working place been made and kept secure as required under item 12 of the Systematic Support Rules framed under Regulation 108 of the permission under Regulation 100(1) of the Coal Mines Regulations 1957 granted vide this Directorate's letter no. JR/010495/Anumati-61/2012/3564 dated 31.12.12, this accident could have been averted.

6. Date - 30/10/13
Time - 23.25

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

1. Manik Singh, Underground Loader, Male, 43 Years

While a loader was in the goaf area in a depillaring district, a mass of roof coal measuring about 1.6m X 1.0m X 0.12m, fell from a height of about 3.0m, inflicting serious bodily injuries to the loader, to which he succumbed about 2.05 hours later.

Had the goaf edge been supported with cogs skin to skin and props been erected between cogs in such a manner as to effectively prevent inadvertent entries of work persons into the goaf as required by Systematic Support Rules framed under Reg. 108(1) of the CMR, 1957 and approved by permission granted by letter no. S29020/18/2012/RN-1(EZ)/010840/1493, dated 20.09.2012, this accident could have been averted.

7. Date - 11/11/13
Time - 11.15

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

1. Arup Chatterjee, Under Manager, Male, 50 Years
2. Harilal, Trammer, Male, 56 Years
3. Sitaram Majhi, Explosive Carrier, Male, 39 Years
4. Littu Sahu, SDL Operator, Male, 35 Years

While a SDL machine was being shifted from dip to rise in a gallery forming part of goaf in a depillaring district in an underground coal mine, under supervisions of two under managers and one overman, a mass of sandstone roof measuring about 17m (long) X 5m to 10m (wide) X 0m to 1.8m (thick) fell from height of 2m, burying an Under Manager, SDL Operator and two other workpersons resulting into death of all four on the spot.

Had

- i) the manner of extraction as prescribed under condition No.2.0 of the permission for extraction of pillars in the depillaring panel GT-6 of Gopinathpur Top seam, granted vide Directorate's Letter No. R-2/010244/p-20-12/12/133 dated 24.01.2013 under Regulation 100(1) of the Coal Mines Regulations, 1957, been followed, and
- ii) all the goaf edges been provided with breaker line supports of skin to skin cogs and additional rows of props as required under condition No.1.0(a) & 1.0(b) of the Systematic Support Rules (SSR) approved under Regulation 108 of the Coal Mines Regulations, 1957 vide Directorate's Letter No. R-2/010244/P-20-12/12/133 dated 24.01.2013 applicable in the depillaring panel GT-6 of Gopinathpur Top seam and
- iii) the persons not been deployed in the area which was a part of the goaf, endangering their life and safety willfully in contravention of the provision of Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted

8. Date - 08/12/13
Time - 10.30

Mine - PIPARIA COLLIERY
Owner - South Eastern Coalfields Ltd.
Dist. - Umaria, State - Madhya Pradesh
Person(s) Killed :

1. Foolchand Baiga, General Mazdoor Cat-1, Male, 51 Years

While a group of three persons were preparing to drill hole in the roof for bolting, standing over the blasted coal in a face of a development district, the carbonaceous shale roof measuring 1.2m (length) X 1.0m (width) X 0.25m (thick) parted off from a height of 2.75m and fell on one of them, inflicting serious bodily injuries, which proved fatal in about an hour and others escaped unhurt.

Had

i) the temporary supports been erected to protect the crew before deploying them for drilling holes for roof bolts and no person been deployed under unsupported roof including those engaged for drilling holes for roof bolts, as required by rule 1.2 of the Systematic support rules modified vide Directorate's letter No. J.CHE/010898/SSR/2011/1928 dated 23.05.2011, under Regulation 108 of the Coal Mines Regulations, 1957 and

ii) the first row of roof bolts from the face been not more than 1.5m at any time, as required by rule 2.2 of the systematic support rules modified vide Directorate's letter No. J.CHE/010898/SSR/2011/1928 dated 23.05.2011, under Regulation 108 of the Coal Mines Regulations, 1957,

this accident could have been averted.

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

9. Date - 25/01/13 Mine - SELECTED DHORI QRY. NO. 1 (KALYANI PROJ.)
Time - 11.55 Owner - Central Coalfields Ltd.

Dist. - Bokaro, State - Jharkhand
Person(s) Killed :
1. Daropadi Cat-II Mazdoor, Female, 46 Years

While a female member of maintenance crew of an excavator was sitting idle on the berm, a mass of coal piece measuring 3m x 2m x 1m in conical shape (dislodged) from a geologically disturbed coal face resulting into fall of side along with berm & maintenance crew member to lower bench through a height of 12m in which she was partially buried and died instantly.

Had

(i) The safety aspect of person employed been ensured by not allowing to sit at berm instead of ear-marked rest shelter and by making alert to all concerned regarding existence of geological disturbance in the coal face as required under Regulations 40(2) and 43(1)(e) of the Coal Mines Regulation, 1957 and

(ii) the coal face been inspected frequently for any evidence of slides including fall of side and made & kept secure by proper dressing as required under condition nos. 8.2 (a) of the annexure to the Permission letter No. KR/692 dated 18.05.2012 granted under Regulations 98(1) & (3) of the Coal Mines Regulations 1957,

this accident could have been averted.

10. Date - 05/09/13 Mine - SODEPUR
Time - 19.45 Owner - Eastern Coalfields Ltd.
Dist. - Burdwan, State - West Bengal
Person(s) Killed :

1. Jahidul Ansari, Timber Mistry, Male, 54 Years

While a timberman along with his helper was taking measurements for setting of supports at a place where roof blasting was done to bring down the overhang from the roof in a depillaring district, under preparation, a mass of remnant overhang, measureing 1m X 0.45m X 0.3m (thick) parted from the

side and fell from a height of around 4.0m inflicting fatal injuries to him and serious injuries to one of his helper.

Had the place of work been inspected after shot-firing and the roof and sides been made kept secure by dressing and erection of temporary support before engaging person to support freshly exposed roof and sides as required under the provisions of Reg. 43(1)(d) & (e), 44(3)(a), 44(6)(a)&(b), 109(8)(b), 109(9) read Circular No. 9 of 1985 and Reg. 176 of CMR, 1957, this accident could have been averted.

**Code : 0118 Landslide
(1 Death)**

11. Date – 21/04/13 Mine – BHARATPUR PROJECT
Time – 20.20 Owner – Mahanadi Coalfields Ltd.
 Dist. – Angul, State – Orissa
Person(s) Killed :

1. Ajay Srivastav, S. Minor Operator, Male, 33 Years

While three contractor workers (a surface miner operator, a supervisor/munshi and a driver) were engaged in filling of diesel from a mobile diesel dispensing unit/tanker to a surface miner at a coal face at the bottom of a quarry, suddenly a 55m high overburden dump side-casted by dragline against a coal rib collapsed over a length of about 150 m causing fall of about 90,000 m³ of rock mass, which encroached into the working area of the surface miner, infliction fatal injury to the surface miner operator and serious injuries to the supervisor, whereas the driver of the tanker escaped unhurt.

Had benches with proper height and width, as required under Regulation 98(1) &(3) of the Coal Mines Regulations, 1957 read with Condition No. 2.2(a) of this Directorate's letter No. 010687/BDH/CO-7/P-98(1)&(3)/2009/1324 dated 01.04.2009, been made in the coal seam (worked by surace miner), it could have given adequate strength to the coal rib to prevent the failure, this accident could have been averted.

**Code : 0119 Collapse of Shaft
(1 Death)**

12. Date – 10/12/13 Mine – JAMUNIA OCP
Time – 16.30 Owner – Bharat Coking Coal Ltd.
 Dist. – Dhanbad, State – Jharkhand
Person(s) Killed :

1. Shyam Sundar Chouhan, Tipper Driver, Male, 25 Years

While a Tipper driver was standing on the quarry floor over developed galleries in an opencast coal mine, the solid parting between quarry floor and roof of the underground galleries collapsed and he slipped into underground workings through the pothole thus created, got buried in broken mass of coal and died almost instantaneously.

Had

- i) A plan showing thickness of super incumbent strata or paring over the galleries been prepared and maintained upto date for design of drilling and blasting as required by the condition no. 29.2 of the permission under Reg. 100(1), 98(1) & 98(3) of the Coal Mines Regulations 1957 granted vide letter No. R-3/1338 dated 06/09/2013,
- ii) the blasting been done in such a manner that the underground galleries are completely filled as required by the condition no. 29.4 of the permission under Reg. 100(1), 98(1) & 98(3) of the coal Mines Regulation 1957 granted vide letter No. R-3/1338 dated 06/09/2013 and
- iii) a system been evolved and enforced to ensure that no person or heavy earth moving machinery are deployed over the developed galleries +when the thickness of solid parting above the galleries becomes less than 6.0m, as required by the condition No. 29.2 of the permission under Reg. 100(1), 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 : 0300 Transportation Machinery (Non-Winding)

**Code : 0332 Rope Haulage
(3 Deaths)**

13. Date – 09/04/13
Time – 12.45

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

1. Pawan Kr. Gupta, Contractor Worker, Male, 27 Years

While an ascending set of five tubs was being hauled by a direct haulage along an incline plane, the attachment between two of the tubs gave way and the rear three tubs ran down uncontrolled fatally injuring a person near the track.

Had the attachment between any two tubs in a set or train been of an approved type so as to obviate accidental disconnection and life not been negligently endangered in the mine as required under Regulations 89(1)(c) and Regulation 190 of Coal Mines Regulations 1957, this accident could have been averted.

14. Date - 27/04/13
Time - 04.10

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

1. Bhajhari Seeth, Fitter, Male, 50 Years

While Re-railing a derailed tub after uncoupling it (along with another two tobs) from a set of thirteen tubs attached to a haulage rope being lowered down the gradient along a haulage plane with gradient 1 in 10, last two tubs from the buffer end ran away and hit a mechanical fitter sleeping near the corner of a pillar alongside the haulage track inflicting thereby serious bodily injuries to which he succumbed after 6 days while under Treatment in a hospital.

Had

(i) the persons likely to be endangered been warned when the tubs were about to be moved as required under Reg. 89(2) (a) of CMR 1957,

(ii) The tubs while standing on a track been securely coupled to the haulage rope or been effectively chained or otherwise secured while re-railing the same as required under Reg. 89(2) (f) of CMR 1957 and

(iii) the tubs not been uncoupled on a grandient as required under Reg. 89(2) (h) of CMR 1957,

this accident could have been averted.

15. Date - 07/09/13
Time - 12.30

Mine - NEW MOGHLA
Owner - Jammu & Kashmir Minerals Ltd.
Dist. - Rajauri, State - Jammu & Kashmir
Person(s) Killed :

1. Suram Chand, Loader, Male, 49 Years

While loaded tubs were being hauled upwards in an incline, the haulage rope broke and tubs rolled down hitting and consequently inflicting fatal injuries to a coal loader who was standing near the haulage track.

Had

i)the drag been used behind ascending tubs and manhole been provided in haulage roadway as required under the provisions of the Regulation 43(4) (c), 87(3) (c), 87(6) (a) and 53(3) of CMR 1957 and

ii) the haulage rope being used was properly examined for its safe use as required under the provisions of the Regulation 50(a) and 93(1) (b) of CMR 1957.

this accident could have been averted.

**Code : 0334 Conveyors
(1 Death)**

16. Date - 06/06/13 Mine - JAMADOB
Time - 15.45 Owner - Tata Iron & Steel Co. Ltd.
Dist. - Dhanbad, State - Jharkhand
Person(s) Killed :

1. Sitaram Saw, Belt Operator, Male, 56 Years

While a chain conveyor operator was walking beneath a belt conveyor through a narrow passage, his head struck with a belt conveyor structure causing head injury and cervical spine fracture. The operator succumbed to the injuries in a hospital after prolonged treatment of about three months.

Had

- i) a suitable cross-under bridge free from obstruction been provided and maintained for the persons to cross the conveyor as required by Regulation 88(4) of the Coal Mines Regulation 1957,
 - ii) the starter-switch of the chain conveyor been placed in such a way that operator need not cross the conveyor belt frequently, thus not negligently omitted to ensure safety of the operator in contravention of Reg. 190 of the Coal Mines Regulations 1957.

this accident could have been avoided.

Code : 0335 Dumpers (23 Deaths)

17. Date - 06/02/13 Mine - MURAIDIH OCP COLLIERY
Time - 19.15 Owner - Bharat Coking Coal Ltd.
Dist. - Dhanbad, State - Jharkhand
Person(s) Killed :

1. Bijay Kr. Metho, Shovel Operator, Male, 55 Years

While a workman was riding a bi-cycle on a coal transportation road being used by HEMM in an opencast coal mine, he was hit by a tipper from behind and was ran over inflicting serious bodily injuries to him to which he succumbed almost instantaneously.

Had

- i) the tipper operator been vigilant and careful while driving the tipper and taken precaution to avoid hitting the workman from behind thus not negligently omitted to ensure safety of person employed in the mine in contravention to the provision of Reg. 190 read with Reg. 38(1)(a) of the Coal Mines Regulations 1957,
 - ii) Proper pedestrian's road, fenced off from the coal trasportation road with manned crossing at the crossing point been provided and maintained to prevent persons from travelling along coal transportation road, thus not negligently omitted to ensure safety of the person employed in the mine in contravention to the provision of Reg. 190 of the Coal Mines Regulation, 1957 and
 - iii) The tipper operator undergone vocational training before being employed in the mine as required under Rule 6 of the Mines Vocational Training Rule 1966.

this accident could have been averted.

18. Date - 11/03/13
Time - 01.15

Mine - AMGAON OPEN CAST MINE
Owner - South Eastern Coalfields Ltd.
Dist. - Surajpur, State - Chhattisgarh
Person(s) Killed :

1. Narayan Prasad, Tipper Driver, Male, 27 Years

While a driver was examining his tipper stuck in the mud, he was run over by another tipper being reversed for loading overburden in a face in night hours to which the driver received serious bodily injuries and succumbed on the spot.

Had

i) the audio-visual alarm as approved by the DGMS been provided and maintained in the tipper in operation condition as required under the provision of Condition No. 10.0(IV)(1) & 13.0(A)(I)(ii,iii,iv), (II)(vii) of Annexure-A enclosed with the permission granted under Reg. 98(1)&(3) and issued vide letter No. RGR/469 dated 27.10.2010 read with DGMS(Tech) Circular No. 9/2003 & DGMS (Approval)/AVA/01 dated 05.05.2010 and

ii) the adequate general lighting been provided in the workings as required under the provision of Condition No. 7.0 of Annexure-A enclosed with the permission granted under Reg. 98(1)&(3) and issued vide letter No. RGR/469 dated 27.10.2010 and

iii) the approach road to the face had been made and kept clear of obstruction in the form of mud and water rendering difficulties in reversing and thus the road maintained in good condition as required under the provision of Condition No. 5(I) of Annexure-A enclosed with the permission granted under Reg. 98(1)&(3) and issued vide letter No. RGR/469 dated 27.10.2010 and

iv) the workings in Quarry No. 1 been inspected frequently by competent persons and officials, to secure thorough supervision of all operations in the mine and corrective action had been taken, as required under the provision of Condition no. 13.2 of the permission & Condition No. 8.0(I)(a)(i) of Annexure-A enclosed with the permission granted under Reg. 98(1)&(3) and issued vide letter No. RGR/469 dated 27.10.2010 and

v) the drivers operating the tipper been adequately trained as required under the provision of Condition No. 12.5 of the permission granted under Reg. 98(1)&(3) and issued vide letter No. RGR/469 dated 27.10.2010 read with Rule 6(1) of the Mines Vocational Training Rules, 1966,

this accident could have been averted.

19. Date - 13/03/13
Time - 19.45

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

1. Ovla Mallesh, E.P.Operator, Male, 51 Years

While a dumper was engaged to transport over burden (OB) in an opencast coal mine and while dumping the OB at the internal dump yard, it slid along the slope of a dump and its operator was thrown out of the cabin and succumbed due to head injury.

Had

(i) suitable berm of adequate height and width been provided at the dumping edge in accordance with Reg. 190 read with DG tech. circular No. 9/2008,

(ii) operator side rear view mirror and seat belt being provided to the dumper and thus not violated Reg. 98(1)& (3) read with the DG Tech. circular no 9/2008 and clause No. 11.1, 11.2 (i) & (iii) of the permission no. H1/010078/Perm/2004/564 dated 18/03/2005 and

(iii) the operator not crossed the berm with the dumper, thus not negligently omitted to ensure his own safety as required under Reg. 38(1) (a) & Reg. 190 of the coal mine regulation 1957 read with the clause no. 4, 16, & 17 of code of practice (COP) for dumper operator and 15.2(v) of permission no. H1/010078/Perm/2004/564 dated 18/03/2005

this accident could have been averted

20. Date - 20/03/13

Mine - JAMBAD OCP

Time - 08.55

Owner - Eastern Coalfields Ltd.

Dist. - Burdwan, State - West Bengal

Person(s) Killed :

1. Md. Sahadat Hussain, E.P. Fitter, Male, 48 Years

While a dumper was driven, it hit a worker inflicting serious bodily injuries, which proved fatal instantly.

Had it not been negligently omitted to ensure a clear vision in the vicinity of dumper before advancing the same as required under Regulation 190 of the CMR, 1957. This accident could have been averted.

21. Date - 03/04/13

Mine - JUNAD OPENCAST

Time - 20.00

Owner - Western Coalfields Ltd.

Dist. - Yavatmal, State - Maharashtra

Person(s) Killed :

1. Liyakat Ali, Dumper Operator, Male, 43 Years

While a 35T dumper was being driven to be parked in a workshop of an opencast coal mine, another dumper operator who somehow came to close proximity, was knocked down and run over by the rear right wheels inflicting instant fatal injuries.

Had

(i) The dumper been driven carefully, without distraction and defensively as required under clause 14.3.2 of Annexure A of the permission letter No. NR-II/010665/perm 98(1) & (3)/2012/1685 dated 04-12-2012 issued under Regulation 98 of the Coal Mines Regulation 1957 and

(ii) The victim been alert and did not come to close proximity of the dumper endangering his own life, thereby negligently omitting to ensure his own safety as required under regulation 190 of the Coal Mines Regulation 1957

this accident could have been averted

22. Date - 04/04/13 Mine - DORLI-1 OCP
Time - 10.00 Owner - Singareni Collieries Company Ltd.
Dist. - Adilabad, State - Andhra Pradesh
Person(s) Killed :

1. Booria Rajamouli, Dumper Operator, Male, 44 Years
While a coal loaded dumper moving in a haul road of an open cast coal mine suddenly overturned due to skidding and fell down in 1.2m deep water entrapping the driver in the drowned/submerged cabin to which he died on the way to the hospital few hours later

Had

- i) Width of haul road been maintained as prescribed and strong parapet wall/embankment been provided to prevent any vehicle from getting off the haul road as required under condition no. 4.2 and 4.5 of the permission granted under Regulation 98(1)&(3) of the Coal Mines Regulations, 1957 read with DGMS(Tech) Cirular No.09 of 2008
 - ii) The sides of haul road and bottom of opencast workings been kept free from water accumulation by regular dewatering arrangement, thus not negligently omitted to do what was necessary for the life and safety of persons employed in the mine as was required under regulation 190 of Coal Mines Regulaions 1957, and
 - iii) The Proper maintenance of dumpers deployed in transport of coal as was required under Regulation 182 read with condition no. 11.1 and 11.2(iii) of the permission granted under Regulation 98(1) & (3) of the Coal Mines Regulations 1957

this accident could have been averted.

23. Date - 05/04/13 Mine - BINA PROJECT
Time - 15.30 Owner - Northern Coalfields Ltd.
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :

1. V.B. Singh, Senior Dumper Operator, Male, 53 Years
While an empty 100T dumper was on way from dump yard to shovel face, it gently turned right to follow a curvilinear path, rode over the lane divider, crossed the opposite lane obliquely, climbed up the berm provided on the haul road's edge and rolled over to topple on to the lower bench nearly 15m below. The operator, who was not wearing the set-belt, was thrown out of the cabin to receive serious bodily injuries to which he succumbed on the spot.

Had the dumper not been driven unmindfully and seat belt been worn as called for by clause 22(3) (c) of Directorate's letter No.DMS/WZ/S/77/65/3703 dated 22.08.1977 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DGMS (Tech) Circular No. 09 dated 02.12.2008, this accident could have been averted.

24. Date - 15/04/13 Mine - KABRIBAD REORGANISED
Time - 18.15 Owner - Central Coalfields Ltd.
Dist. - Giridih, State - Jharkhand
Person(s) Killed :

1. Sattan Mandal, Cableman, Male, 55 Years
While a 35 tonne capacity dumper was moved forward by steering right side in the parking area of the workshop premises, it ran-over a Cable Man from the back, who succumbed to his injuries on the spot.

Had the dumper not been driven carelessly, thus negligently omitting to ensure safety of work person as required under provision of Regulation 190 of CMR, 1957, this accident could have been averted.

25. Date - 30/04/13
Time - 21.00

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

1. Birender Singh, Dumper Operator, Male, 26 Years

While a dumper was moving in a bench for getting loaded by excavator in an opencast coal mine, it fell down to a depth of 40.77m in which the operator of the dumper received serious bodily injuries and died in the hospital after about 3 hours.

Had

(i) a berm, as stipulated in condition No. 5.5 of the Annexure to the permission granted under Regulation 98(1)&(3) Of the Coal Mine Regulations, 1957 vide Directorate's letter No. S-2/29018/49/2011/RN2/010820/248 dated 02.03.2011, been provided along the edge of the 40.77m high bench,

(ii) the excavation been carried out to comply with the term of notice under Section 22A (1) of the Mines Act, 1952 issued vide Directorate's letter no. RN2(EZ)/2/2012/PI/100820/16 dated 02-01-2013,

(iii) Adequate general lighting arrangements been provided in the bench as required under Regulation 154 of the Coal Mines Regulations, 1957 read with Govt. Notification No. GSR-804 dated 18.06.1975,

this accident could have been averted.

26. Date - 08/05/13
Time - 01.30

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

1. Mahammad Tajdar Ali, Khalasi, Male, 22 Years

While an empty tipper/truck was being reversed to a loading point in the stockyard of a coal mine, the left side rear wheel of the tipper/truck ran over a contractor worker (pay loader helper/khalasi) who was walking along the loading face of the inadequately illuminated coal stockyard, inflicting serious bodily injuries to which he succumbed almost instantly.

Had

i) the truck been not reversed without having a clear view of the area behind the truck as required by condition No. 22.5.6 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under Regulations 98(1)&(3), 161(1), and 168(5) of the Coal Mines Regulations, 1957, vide letter No. R-3/010383/P-28/2009/576 dated 29/03/2010 read with Regulation 190 of the Coal Mines Regulations, 1957,

ii) automatically operated audio-visual alarm, which gets switched on no sooner the gear lever is shifted in reverse position and suitably placed rear view mirrors on either side of the vehicle to enable operator to have clear visibility of the area behind the truck were provided in the tipper/truck deployed in the coal stockyard as required by Condition No. 21.1.0 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under Regulations 98(1) &(3), 161(1) and 168(5) of the Coal Mines Regulations, 1957, vide letter No. R-3/010383/P-28/2009/576 dated 29/03/2010,

iii) adequate general lighting arrangements conforming to stipulations not less than as specified in Govt. Notification No. GSR-804 dated 18.06.75, published in the Gazette of India dated 28.06.1975, Part-III, Section 3(1) (reproduced in DGMS (Legis.) Circular No. 1 of 1976), issued under Regulation 154(2) of the CMR, 1957, been provided at coal stockyard for working beyond day-light hours as was required by condition no. 7.1.0 of permission under Regulaions 100(1) and 170(1B) (a) and relaxation under Regulations 98(1)&(3), 161(1) and 168(5) of the Coal Mines Regulaions 1957, vide letter no. R-3/010383/P-28/2009/576 dated 29/03/2010 read with Regulation 151 of the Coal Mine Regulations, 1957,

iv) persons employed beyond daylight hours in coal stockyard of the mine been provided with fluorescent jacket as required by condition No. 11.2.0 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under regulations 98(1)&(3), 161(1) and168(5) of the Coal Mines Regulations, 1957, vide letter No. R-3/010383/P-28/2009/576 dated 29/03/2010,

v) Persons not been employed in the coal stockyard of the mine without being given vocational training and job related briefing in contravention of Rule 6 of Mines Vocational Training Rules, 1966, read with condition No. 27.1.0 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under Regulations 98(1)&(3), 161(1) and 168(5) of the Coal Mines Regulations, 1957, vide letter No. R-3/010383/P-28/2009/576 dated029/03/2010 and

vi) every operation, including operations carried out through contractors' workers or by outsourcing, been placed under the charge of a competent supervisor, duly appointed and authorized by the Manager, with his jurisdiction being clearly damarcated as required by Condition No. 16.2.0 of permission under Regulations 100(1) and 170(1B) (a) and relaxation under Regulatios 98(1)&(3), 161(1) and 168(5) of the Coal Mines Regulations 1957, vide letter No. R-3/010383/P-28/2009/576 dated 29/03/2010 read with Regulation 36(1) of the Coal Mines Regulations, 1957,

this accident could have been averted.

27. Date – 17/05/13
Time – 00.15

Mine – VALIA LIGNITE MINE
Owner – Gujarat Industries Power Company Limited
Dist. – Bharuch, State – Gujarat
Person(s) Killed :

1. Rakesh Tomar, Dumper Operator, Male, 25 Years

While a loaded dumper was moving on gradient on waste/overburden dump haul road, suddenly another dumper loaded with waste material dashed at its rear side with great impact, as a result cabin of the rear dumper got badly damaged and its operator was trapped inside the damaged cabin, inflictiong serious bodily injuries on his right leg and face, which proved fatal after three hours during treatment in a hospital.

Had the rear dumper operator not driven his vehicle negligently and too fast, instead should have driven it defensively, as required under Regulation 190 of the Coal Mines Regulations, 1957 read with Clause No. 27(4a) of this Directorate's permission letter No. SUR/DGMS/Perm. Valia/98(1)&(3)-12/160, dated 27-06-2012, granted under Regulation 98(1) Of the Coal Mines Regulations, 1957, this accident could have been averted.

28. Date - 22/05/13
Time - 03.50

Mine - USHAA
Owner - M/S Jaiswal Neco Industries Ltd.
Dist. - Raigarh, State - Chhattisgarh
Person(s) Killed :

1. Niranjan Singh, Tipper Operator, Male, 54 Years

While an empty tipper driven by an operator was moving in down gradient on a haulroad, suddenly the tipper operator lost control and the tipper fell to the adjecent coal bench at a depth of 14mts. crossing the berm, Tipper operator received serious injuries to which he succumbed after 8 days while being treated at hospital.

Had the berm of adequate size been provided all along the haul road in contravention of condition no. 2.0 (I)(iii) of permission granted vide letter No. BSP/Perm/98(1) & (3)/63/09/3314 dated 11/08/2004 of the provisions of Regulation 98 of coal Mines Regulation 1957. this accident could have been averted.

29. Date - 27/05/13
Time - 05.00

Mine - SURKHA(NORTH) LIGNITE MINE,
Owner - Gujarat Mineral Development Corpn. Ltd.
Dist. - Bhavanagar, State - Gujarat
Person(s) Killed :

1. Ranjit Singh M. Talatiya, Contrtact Supervisor, Male, 45 Years

While a loaded (with OB) dumper was going on haul road, towards in-pit dumping area, in opencast workings, suddenly, it travelled off haul road, climbed over a small heap of OB material on extreme left side of the haul road, its chassis hit a contractor's supervisor present thereat, inflicting serious bodily injuries to him which proved fatal instantly.

Had

i) the dumper not been driven the dumper carelessly & negligently on extreme side of the haul road and taken the dumper over the small heap of overburden material, thus negligently omitting to ensure safety of his co-worker standing thereat, as required under Regulation 190 of Coal Mines Regulations, 1957, and

ii) the shelter been taken in rest shelter and not been present in the active haul road area, thus not negligently omitting to ensure own safety, as required under Regulation 190 of Coal Mines Regulations, 1957,

this accident could have been averted.

30. Date - 02/07/13
Time - 09.20

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

1. M. Nooka Raju, Fitter Helper, Male, 21 Years

While a mechanic helper was checking the clutch actuator of a breakdown tipper whose engine was running, as to repair its gear-shifting problem, the tipper moved forward to run over the helper causing serious bodily injuries to him to which he expired whilst on way to hospital.

Had the engine of the tipper been shut down and positive means been adopted to prevent its inadvertent movement whilst repairs were undertaken sitting underneath it, and a code of safe procedures for undertaking repair & maintenance of HEMM been framed and implemented for ensuring life and safety of persons employed in such work, as required by Clause 22(5)(c) of Directorate's letter No. 4955 dated 07.07.1987, granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DGMS(Tech.) (SOMA) Circular No. 1 of 2008, this accident could have been averted.

31. Date - 11/08/13
Time - 10.55

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

1. Shyamal Kr. Mukherjee, Foreman, Male, 59 Years

While a dumper was being positioned for filling diesel at a diesel filling station located near site workshop, an employee approached the path of the dumper and got hit by the same and died instantly.

32. Date - 26/09/13
Time - 04.15

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

1. Vijay Kumar, Dumper Operator, Male, 47 Years

While reversing at unauthorised place on the haul road without ensuring the presence of a parked dumper just behind, dumper operator dashed his dumper against the cabin of the parked dumper behind and injured it's dumper operator fatally inside the cabin.

Had

- i) the dumpers not been parked at unauthorised place on haul road as required under Regulations 38(1) of CMR 1957 read with the clause no. 15 of code of practice of dumper operator framed by manager,
- ii) the dumper not been reversed without ensuring the presence of a parked dumper just behind as required under Regulation 38(1) of CMR, 1957 read with the clause no. 22(3)(g) of Directorate's letter no. 7145 date 16.06.1982 granting relaxation from the provisions of regulation 98(1) & (3) of the CMR, 1957 and

iii) the dumper operator Vijay Kumar not slept inside the cabin of his parked dumper and not negligently omitted own safety as required under Regulation 38(6) and 190 of CMR, 1957,

this accident could have been averted.

33. Date - 28/09/13
Time - 09.35

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

1. R Suman, Helper, Male, 24 Years

While, a helper was connecting electrically charged leads to a self starter of a Volvo Tipper from below its cabin; the tipper moved forward accidentally and the helper was pressed under its rear differential assembly to which he succumbed almost instantly.

Had

i) the boosting operation for starting of tipper been done by battery to battery connection following proper safety procedures, thus not negligently omitted to ensure the safety of person in accordance with Reg. 190 read with clause no. 7 of code of practice framed and implemented for above work,

ii) the tipper operator ensured that the tipper did not move while started, thus not violated his duties as framed in code of practices clause no. 7 & 9 read with Reg. 38(1)(a) & Reg. 190 and

iii) the workshop supervisor ensured proper supervision, safety of person at work and instructed properly about the tipper conditions before allotting the work of boosting for starting of under repair tipper, thus not negligently omitted to ensure the safety of his subordinate as required under Reg. 186(3) & Reg. 190 of the coal mine regulation 1957 read with the clause No. 7 & 11 of code of practice (COP) for supervisors,

this accident could have been averted.

34. Date - 07/10/13
Time - 05.00

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

1. Upendra Mahto, Cat-II, Male, 47 Years

While a Tripman was trying to climb the dumper which was returning from the dump yard at the end of the shift he fell down and run over by the same dumper and received serious bodily injury which proved fatal instantly.

Had

i) The Tripman not tried to ride on the dumper un-authorisedly,

ii) the dumper operator not taken out the vehicle for work nor he driven the vehical unless he was satisfied that it was in efficient working order as per the condition no. 24(1) of the Annexure-'A'

to the permission letter no. RR/52, dated 05.01.1995 granted under Regulation 98(1)&(3) of the Coal Mines Regulations, 1957 and

iii) the maintenance of dumper been done properly,

this accident could have been averted.

35. Date - 16/10/13
Time - 00.45

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

1. Prabhu Ram, Tipper Operator (Contract), Male, 43 Years

While a 18.7 m³ carrying capacity empty tipper was on to OB face, it collided nose to tail with another tipper parked at unauthorised place on the haul road seriously injuring the operator, to which he succumbed after six days while under treatment at hospital.

Had

i) the tipper not been parked at unauthorised place on haul road as required by clause 4 'ka' of the code of traffic rules framed by the manager under clause 21(3)(c) of Directorate's letter No. 7025 dated 14.06.1982 granting relaxations from the provisions of Regulations 98(1) & (3) of the Coal Mines Regulations, 1957, and DGMS Circular No. (Tech)01 of 1989 and

ii) mechanical type anti collision device to avoid head to tail collision such as tail gate protection, bumper extention, etc., proximity warning device, and the hazard-indicators/parking lights been provided and maintained on tippers and defective tippers not been used as required by clause 7(2) of Directorate's letter No. 7025 dated 14.06.1982 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DG's Tech. Circular No. 05, dated 13.10.2010

this accident could have been averted.

36. Date - 20/11/13
Time - 01.30

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

1. Alisher, Dumper Operator, Male, 55 Years

While a loaded 100 t dumper was being driven up the haul road from coal bench to coal stock yard in an opencast coal mine, it suddenly dashed against right rear side of a stationary break down dumper parked on the left side of the haul road smashing its cabin, inflicting serious bodily injuries to operator to which he succumbed almost instantly.

Had the Dumper been driven slowly & defensively by the operator avoiding distractions as required by condition no. 21.3(a) of annexure-1 attached to permission letter no. 2420 dated 25.08.11 and thereby not negligently omitted to ensure his own safety as well as safety of the parked equipment as required under Regulation 190 of the CMR, 1957. this accident could have been averted.

37. Date - 11/12/13
Time - 01.30

Mine - NAIGAON OPENCAST MINE
Owner - Western Coalfields Ltd.
Dist. - Yavatmal, State - Maharashtra
Person(s) Killed :

1. Ajay Kumar Sahoo, Contract Supervisor, Male, 24 Years

While a contractor supervisor was walking in the over burden bench of an opencast coal mine, he was hit and run over by a reversing tipper truck causing serious injuries to which he succumbed after about one and half hours.

Had

i) the tipper truck been not reversed without obtaining in a clear view of the area behind the vehicle in contravention of clause No. 14.3.2(v) of Annexure-A of the permission letter No. NR-II/010457/Permission 98 (1) & (3)/2013/1696 dated 27-11-2013 granted under Regulation 98 (1) & (3) of the Coal Mines Regulations, 1957,

ii) adequate competent persons been appointed for thorough supervision of all operations in the mine in contravention of Regulation 36(1)(a)(II) of Coal Mines Regulations, 1957 and

iii) the deceased been not allowed to work for more than nine hours in a day in contravention of Section 30(1) of the Mines Act, 1952,

this accident could have been averted.

38. Date - 11/12/13
Time - 05.45

Mine - JINDAL OC COAL MINE NO. I
Owner - M/S Jindal Steel and Power Ltd.
Dist. - Raigarh, State - Chhattisgarh
Person(s) Killed :

1. Jagannath Choudhary, Tipper Operator, Male, 43 Years

While a tipper operator was unloading the overburden material at an overburden bench he suddenly moved the tipper towards the front side with raised hoist of tipper body and keeping the door of cabin open and leaning himself on it, the tipper suddenly toppled in the right side trapping him in between the open cabin door and body of cabin, to which he received serious bodily injuries and died on the spot.

"Misadventure"

39. Date - 23/12/13
Time - 20.50

Mine - K. D. HESALONG PROJECT
Owner - Central Coalfields Ltd.
Dist. - Ranchi, State - Jharkhand
Person(s) Killed :

1. Tapeswar Mahato, Dumper Operator, Male, 47 Years

While a dumper started moving towards shovel working area through a haul road from dump site, all of a sudden the dumper over speeded and taking U-turn against high wall in its front, it jumped over the berm adjacent to the haul road then travelling along the dump slope, its front part including cabin went under the water of sump of the mine, causing death of Dumper operator on the spot.

Had the dumper been operated defensibly by the deceased thereby not contravening the provisions of the Regulation 190 and Regulation 98(1) & (3) of the Coal Mines Regulations, 1957 read with the Annexure-I clause No. 13cII(b) of permission letter no. RR/617 dated 07.05.2007, the accident could have been averted.

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

40. Date – 31/03/13
Time – 17. 45

Mine – MAKARDHOKRA MINE NO. II
Owner – Western Coalfields Ltd.
Dist. – Nagpur, State – Maharashtra
Person(s) Killed :

1. Devkumar Petha, Overman, Male, 43 Years

While a mine official without being alert was walking through coal stockyard of an opencast mine, a water tanker coming from behind suddenly hit and run over him inflicting almost instant fatal injuries.

Had the water tanker been driven defensibly thereby not endangering life or limb of work persons in the mine and the mine official been alert during walking which was necessary for his own safety thus contravening Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

41. Date – 07/05/13
Time – 22. 35

Mine – SELECTED DHORI QUARRY NO. 3 / TARM
Owner – Central Coalfields Ltd.
Dist. – Bokaro, State – Jharkhand
Person(s) Killed :

1. Lalchand Mahto, Pay Loader Operator, Male, 30 Years

While two contractor workers were sitting idle over a stone boulder about 60m away from the almost level and 60m wideworking coal bench in opposite direction, a tipping truck entered with high speed, dashed and run over one of them inflicting instant fatal injury.

Had the truck not been negligently and willfully operated with high speed in opposite direction instead of working coal face in contravention of Regulation 190 of the Coal Mines Regulation, 1957 read with condition No. 18.3(a) of the annexure to the Permission granted vide letter No. KR/1469 dated 23.11.2011 under Regulation 98(1&3) and Regulation 100(1) of the CMR, 1957, this accident could have been averted.

42. Date – 20/06/13
Time – 09. 45

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

1. Tipu Ram, E.P. Fitter Grade-D, Male, 52 Years

While a diesel filling service van was being reversed on a bench of an opencast coal mine, it hit a person washing his hands near a pool of water on the same bench, inflicting serious bodily injuries that proved fatal in about half an hour.

Had the vehical been reversed after having a clear view of the area behind the vehical as required under condition No. 11.0 (4.0) (e) of Annexure 'A' of the exemptions from the provisions of Regulations 98(1) & (3) of the Coal Mines Regulations 1957, granted vide this Directorate's Letter No. JR/010501/Anumati-16/2011/2719 Jabalpur dated 11.07.2011, this accident could have been averted.

43. Date - 27/09/13
Time - 10.30

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

1. Chokhanand Roopchand Jiwane, Driver, Male, 29 Years

While a tipper truck driver was standing near the driver's cabin of his break down tipper truck parked near a weigh bridge in an opencast coal mine along with his reliever for toppling-up of clutch oil, he was suddenly hit and run-over by another reversing tipper truck, inflicting serious bodily injuries to which he succumbed after about four hours.

Had

i) the tipper truck not been reversed without obtaining 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/010656/Perm 98 (1) & (3)/2012/1125, dated 31-07-2012 granted under Regulation 98 (1) & (3) of the Coal Mines Regulations, 1957.

ii) it been ensured that the tipper truck was provided with side & rear view mirror and audio visual alarm for reversing as required under clause No. 5.6.1 & 14.1.1.(vi) of Annexure-A of the permission letter No. NR-II/010656/Perm 98 (1) & (3)/2012/1125, dated 31-07-2012 granted under Regulation 98 (1) & (3) of the Coal Mines Regulations, 1957 and

iii) adequate officials been appointed to supervise the dispatch operations to prevent over crowding and disorderly movement of vehicles near the weigh bridge as required under Regulation 36(1)(a) of the Coal Mines Regulations 1957.

this accident could have been averted.

44. Date - 04/11/13
Time - 11.05

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

1. Javvaji Mogili, General Mazdoor, Male, 51 Years

In an opencast coal mine, while a truck was allowed to move uncontrolled on a gradient, it gained momentum and toppled after ascending on slope of an overburden dump; to which one out of three persons, seating on bench outside the driver's cabin succumbed almost instantly and other two received serious bodily injuries.

Had the circumstances not created to allow the truck to move uncontrolled on a gradient by leaving it unattended, thus not negligently violated safe practice likely to endanger the life of persons boarding the truck contravening Regulations 38(1)(a) & 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

45. Date - 10/12/13
Time - 22.30

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

1. Mohan Prasad, Driver, Male, 28 Years

While a tipper truck driver was unlocking the rear flap of his tipper truck body with a hammer, to release the locking bolt from keyhole, for unloading coal into the hopper of a coal handling plant of an opencast mine, he was suddenly hit on his head by another reversing loaded tipper truck, inflicting almost instant fatal injuries to him.

Had

i) the tipper truck been maintained in good working condition thus not requiring the tipper truck driver to get down of the vehical to open the rear flap of his tipper as required under clause No. 8.1.2 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

ii) it been ensured that the tipper truck was provided with side & rear view mirror and audio visual alarm while reversing as required under clause No. 5.6.1 & 14.1.1.(vi) 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

iii) the tipper truck been not reversed without obtaining 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/010604/Perm/98(1)&(3)/2012/1045, dated 05-07-2012 granted under Regulation 98 (1) & (3) of the Coal Mines Regulations, 1957 and

iv) crusher area of coal handling plant been placed under the charge of a sirdar or other competent person for proper implementation of the code of practices to prevent disorderly movement of vehicles as required under Regulation 113 (1) of the Coal Mines Regulations 1957,

this accident could have been averted.

Code : 0400 Machinery Other than Transp. Machinery

**Code : 0441 Drilling Machines
(3 Deaths)**

46. Date - 05/03/13
Time - 16.40

Mine - SRIRAMPUR OCP, SRP
Owner - Singareni Collieries Company Ltd.
Dist. - Adilabad, State - Andhra Pradesh
Person(s) Killed :

1. Panuganti Lingaiah, General Mazdoor, Male, 52 Years

While a drill helper was standing on the overburden bench of an opencast coal mine, he was hit by the platform of the large diameter drill machine during marching, inflicting serious injuries to which he succumbed almost instantly.

Had it been ensured that no persons are in the vicinity while reversing and marching of drill machine, and strictly adhered to the instructions of superiors and also not negligently omitted to ensure safety of persons working at the place as required under the provisions of Regulations 38(1) (a), Regulation 190 read with condition No. 13.2(i) of the permission granted under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, this accident could have been averted.

47. Date – 10/03/13
Time – 15.10

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

1. Nageshwar Ganjho, Drill Operator, Male, 40 Years

While a drill machine was marching down from upper bench to lower bench of overburden through a ramp, the drill machine got tilted at the edge of the ramp and toppled down to the lower bench from a height of about 10m inflicting head and leg injuries to the drill machine operator, which proved fatal while he was being shifted to hospital for treatment.

Had

i) the drill machine not been allowed to ply in the road less than the width of the machine plus 2m as per the condition No. 2.0(b) of the Annexure-'A' to the permission letter No. RRP/C/6/97/1364 dated 15.07.1997 granted under Regulation, 98(1) & (3) and

ii) Standard Operating Procedure for marching of drill machine formulated by the manager not been violated,

this accident could have been averted.

48. Date – 02/04/13
Time – 4.30

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

1. Santosh Bowri, Driller Helper, Male, 19 Years

While a truck mounted drill was being positioned for the next hole to be drilled at a distance of 4.0m, the driver/operator of the truck drove the truck speedily to a distance of 20m and run over the driller helper of the second truck mounted drill who was resting near his drill machine.

Had

(i) the driver of the truck mounted drill handled the truck carefully and kept it under control at all times as required under condition No. 11.3.6 of Annexure- A enclosed with the permission 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) the undermanager seen that the provisions of regulations and the orders made there under were being strictly complied with either by deputing statutory mining supervisors or himself inspected the contractual operations in compliance with the condition No. 23.0 of the permission granted under Reg. 98(1), 98(3), 100(1), 168(5), 170(1A) and 170(1B) of the Coal Mines Regulations, 1957

issued vide letter No. S3/010224/II-B/2009/2173 dated 01-12-2009 read with Reg 42(1) of the Coal Mines Regulations, 1957,

(iii) the workers not been put in two shift workings each covering 12 hrs duration, resulting in over stressed and fatigue due to worked for ten and half hours, in the contractual operation in contravention of the provisions of Section 30(1) of the Mines Act, 1952 and

(iv) the workers not been left on their own without having been provided statutory supervisors to supervise the operation of drilling as required under Regulation 36(1)(a) read with Regulation 113(1) of the Coal Mines Regulations, 1957,

the accident could have been averted.

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

49. Date – 26/04/13
Time – 23.20

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

1. Biru Singh, Excavator Operator (Contract), Male, 28 Years

While an excavator was operating in the close proximity of a highly fractured overburden bench of an opencast coal mine, a part of loose boulders measuring about 4.5m in length x 1.5m to 2.0m in width x 0.6m to 0.8m in thickness fell from a height of 4.0m over the operator, inflicting serious bodily injuries to which he succumbed three hours later.

Had

(i) Special care been taken & the excavator not been deployed in close proximity of geologically disturbed zone as required by condition No. 3.6 of permission granted under Regulation 98(1), 98(3), 100(1), 126(2), 161(11), 168(5) and 170(1B) of the Coal Mines Regulations, 1957 issued vide letter no. S-1/010748/II-B/2000/62 dated 25.04.2000 and

(ii) It been ensured that all work was carried out in accordance with provisions of the Regulations and safety aspect was ensured as required under Regulation 41 (1)(a) and Regulation 42(1) of the Coal Mines Regulations, 1957.

this accident could have been averted.

50. Date – 12/05/13
Time – 01.30

Mine – SHARDA OCP
Owner – South Eastern Coalfields Ltd.
Dist. – Shahdol, State – Madhya Pradesh
Person(s) Killed :

1. Shrawan Kokre, Drill Helper (Contract), Male, 22 Years

While a wheel loader carrying loose soil was travelling along an up- gradient access road in an opencast working of a coal mine, it ran over a person sleeping on the same that proved fatal almost instantly,

Had the machine not been operated when persons were in such proximity so as to be endangered and had life not been endangered negligently in the mine as required under condition No. 9.0 (2) (a) of the exemptions/relaxations from the provisions of Regulations 98(1) & (3) of Coal Mines Regulations 1957 read with Regulation 170(1B) of Coal Mines Regulations 1957, granted vide this Directorate's Letter No. 2877 dated 16.08.10 and Regulation 190 of the Coal Mines Regulations 1957 respectively, this accident could have been averted.

51. Date - 21/05/13
Time - 04.45

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

1. Sant Lal, SDL Helper, Male, 44 Years

While an SDL cable-man was resting/sitting at the turning point/junction being on the travelable path of the SDL machine for loading from the face, was hit by the bucket and run over by the turning SDL machine and was dragged for a distance towards the face to which the cable man received serious bodily injuries and died on the spot.

Had

- i) nobody been allowed to be present on the travelable path of the moving SDL machine as prescribed in the Standard Operating Procedures framed for the operator/cable man and thus willfully or negligently did things likely to endanger life or limb in the mine as required under Regulation 190 of the Coal Mines Regulations, 1957 and
- ii) the travelable path of moving SDL machine been examined and the face been inspected prior to the commencement of work as prescribed in the Standard Operating Procedures framed for the operator/cable man and thus willfully or negligently omitted to do anything necessary for the safety of the mine or persons employed therein as required under Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

52. Date - 02/09/13
Time - 03.00

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

1. Anuk Ram, Support Personnel (Contract), Male, 32 Years

While a support person (contractual worker) was taken rest on a travelable path of a Load Haul Dumper (LHD) machine in a development district, he was run over by the moving LHD machine in which he received serious bodily injuries and died on the spot.

Had

- i) The travelable path of moving Load Haul Dumper (LHD) machine been examined and inspected prior to commencement of loading operation and thus willfully or negligently omitted to do things

necessary for safety of persons employed therein as required under Regulation 190 of the Coal Mines Regulations, 1957,

ii) Miner station been provided in the district and nobody been allowed to be present on travelable path of moving LHD machine by maintaining proper discipline so as to prohibit the work persons from sitting at places other than the Miners Station and thus willfully or negligently omitted to do things to endanger life or limb in the mine as required under Regulation 43, 113 and 190 of the Coal Mines Regulation, 1957 and

iii) The safe Operating Procedure for the operation of low height LHD machine been framed, distributed amongst person concerned and implemented by the mine manager and thus omitted to perform the job willfully or negligently likely to endanger life or limb in the mine as required under Regulation 181(3) read with Condition No.11 of the DGMS approval No.321/1045/EHQ dated 09.09.1994 and renewed vide letter No.321/46 dated 09.01.2013 and Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

**Code : 0446 Shovel, Draglines, Frontend Loader, etc.
 (1 Death)**

53. Date - 16/08/13 Mine - DUDHICHUA PROJECT
Time - 03. 30 Owner - Northern Coalfields Ltd.
Dist. - Sonebhadra, State - Uttar Pradesh
Person(s) Killed :

1. Pradeep Rawat, Mazdoor (Contract), Male, 26 Years
While a contractual worker, deputed to guard construction material, was sleeping on a heap of sand near a receiving hopper of the mine's Coal Handling Plant (CHP), he was run over by a reversing pay-loader to receive serious boldly injuries to which he succumbed after about three days whilst undergoing treatment in a hospital.

Had

i) the pay-loader been operated carefully and defensively, thus not negligently endangering life and safety of persons employed in its close proximity, as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957.

ii) none been allowed to enter into the mine unless so permitted or authorised by the manager or any mine official, and systems been framed and implemented for the purpose, as required by Section 48(6) of the Mines act, 1952 and

iii) inexperienced person not been employed in the mine for any work whereby he can be seriously endangered, except under proper supervision, as required by the provisions of Regulation 115(9) 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 : 0448

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

54. Date – 17/08/13

Mine – PADAMPUR O/C

Time – 08. 45

Owner – Western Coalfields Ltd.

Dist. – Chandrapur, State – Maharashtra

Person(s) Killed :

1. Rajkumar Kashinath Tiple, Drill Operator, Male, 49 Years

While a workman along with a pilon rider was going on a two wheeler from the manager's office to the pit office, on a public road, he was hit by a crane which was also going from the workshop to the opencast mine working causing fatal injuries to the workman and minor injuries to the pilon rider.

Had

i) the two wheeler was driven carefully thus not negligently endangering his own safety in contravention of regulation 190 of the Coal Mines Regulation 1957,

ii) the crane being operated defensively thereby not negligently omitting to ensure the safety of persons in contravention of regulation 190 of the Coal Mines Regulation 1957 and

iii) it was ensured that the crane was used in a safe manner as per condition no 7.1.2 of Annexure-A of permission letter no. 1714 dated 26-08-2008 extended vide letter no. 419 dated 24-03-2011, granted under regulation 98(1)&(3) of the Coal Mines Regulation 1957,

this accident could have been averted.

55. Date – 09/09/13

Mine – LIGNITE PROJECT TADKESHWAR

Time – 18. 45

Owner – Gujarat Mineral Development Corpn. Ltd.

Dist. – Surat, State – Gujarat

Person(s) Killed :

1. Shivbhan Singh, Dozer Operator, Male, 28 Years

While a Dozer Operator started Dozer by connecting the starter directly standing on right side crawler chain of dozer, suddenly the engine started and the dozer moved in forward direction in which operator fell down and ran over by the crawler chain of the same Dozer, which proved fatal instantly.

Had

i) the Dozer Operator followed the safe procedures and practices to start the dozer as required under clause No. 2 of Safe Operating Procedures of dozer framed by the manager under clause no.10 (2) (d) of this Directorate's Permission Letter Nos. UR/4670 dated 11.10.2004 & UR/2458 dated 18.05.2007 granted under Regulation 98(1)&(3) of the Coal Mines Regulations, 1957 and

ii) the operator not negligently or willfully endangered his own safety as required under regulation 190 of the coal mines regulations, 1957,

this accident could have been averted.

56. Date - 04/11/13 Mine - MURAIDIH OCP COLLIERY
Time - 23.00 Owner - Bharat Coking Coal Ltd.
 Dist. - Dhanbad, State - Jharkhand
 Person(s) Killed :

1. Nageshwar Beldar, Dozer Operator, Male, 43 Years

While a dozer was being driven on an undulating ground in a Railway Siding attached with an opencast coal mine beyond day light hours, the operator fell down from the cabin and received head injuries to which succumbed in a hospital after about 5 hrs.

Had the gate with proper locking arrangement in dozer-cabin been provided and maintained as required by the condition No., 12.1(c) of the permission under Reg. 98(1) & 98(3) of the Coal Mines Regulation 1957 granted vide letter R-3/010210/P-17-2010/1522 dated 29.07.2011, this accident could have been averted.

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

57. Date - 31/10/13 Mine - ARDHAGRAM OCP MINE
Time - 04.40 Owner - M/s SOVA ISPAT LTD.
 Dist. - Bankura, State - West Bengal
 Person(s) Killed :

1. Sukhen Majhi, Helper, Male, 24 Years

While a helper had approached in the close proximity of the rotating radiator fan blade of a diesel generator in an open cast mine, his loose outer cloths got entangled with the rotating radiator fan blade and he was dragged towards the rotating fan receiving serious bodily injuries to which he succumbed on the way to hospital.

Had

- i) the deceased not entered unauthorisedly in engine room or in any way interfered with the engine as required under Regulations 184(6) and 190 of the Coal Mines Regulations, 1957 and
- ii) the deceased not approached wearing loose outer clothing in close proximity to running machinery thereby not endangered his life as required under Regulations 184(5) and 190 of the Coal Mines Regulations, 1957

this accident could have been averted.

Code : 0600 Electricity

**Code : 0661 Overhead Lines
(2 Deaths)**

58. Date – 30/09/13
Time – 18.10

Mine – SHIVPURI MINE(OC)
Owner – Western Coalfields Ltd.
Dist. – Chhindwara, State – Madhya Pradesh
Person(s) Killed :

1. Rupesh Kahar, Contractor Employee, Male, 32 Years

While a worker on completion of assigned task was about to descend from an electric pole by releasing the safety belt at a height of about 12 meters in an opencast coal mine, he suddenly lost balance, fell on a fellow worker standing on ground near the pole inflicting serious body injuries to the fellow coworker that proved fatal after eight days whereas he escaped unhurt.

Had the work been supervised properly and been followed the recommended practice to use of safety device i.e. safety belt as required under Regulation 115(3) of CEA(MRS & ES) Reg., 2010 and read with clause 9.3.1 of Indian Standards IS: 5216(Part-1) – 1982, this accident could have been averted.

59. Date – 17/12/13
Time – 12.00

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

1. Mahend, Contractor Employee, Male, 30 Years

While a worker was putting a discharge rod of about 1.1 meters long on the conductor of middle phase of the 3.3KV overhead line positioning himself on the electric pole about 1 meter below the overhead conductor and 10 meters above the ground in an opencast coal mine, he suddenly lost balance, his body came in contact with the live conductor leading to electrocution inflicting instant fatal injuries to him.

Had the adequate precautions been taken before handling of electric supply line and apparatus, to prevent any conductor or apparatus from being accidentally or inadvertently electrically charged when persons are working thereon as required under Regulation 19(1) of CEA (MRA & 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 : 0663**Switch Gears, Gate End Boxes, Pommel, etc.
(1 Death)**

60. Date - 20/05/13

Mine - PARBATPUR COLLIERY

Time - 11.00

Owner - M/S Electrosteel Castings Limited

Dist. - Bokaro, State - Jharkhand

Person(s) Killed :

1. Bhim Bouri, Contractor Worker, Male, 22 Years

While a contractor worker opened a live 100Amp, 415V, ICTP switch unauthorizedly he received electric shock and succumbed to his injuries, about two hours later in a hospital.

Had the switch not been opened unauthorizedly by the contractor worker in contraventions of Regulation 19(3) of Central Electricity Authority (measuring relating to safety and electrical supply) Regulation 2010, this accident could have been averted.

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

61. Date - 17/01/13

Mine - PAREJ EAST OCP

Time - 11.15

Owner - Central Coalfields Ltd.

Dist. - Ramgarh, State - Jharkhand

Person(s) Killed :

1. Anant Kumar, Electrician Cat-IV, Male, 36 Years

While an electrician was closing a gang operating switch connected to a 33KV current transformer installed at a colliery substation under faulty condition heavy flash occurred due to which the electrician received burn injury by hot oil. The injury proved fatal after four days during treatment in a hospital.

Had the charging not done before

- i) removal of the fault in the CT,
- ii) the oil been tested before filling in the CT and
- iii) Proper shut down procedure been followed,

the accident could have been averted.

62. Date - 09/02/13

Mine - PUNDI PROJECT (OC)

Time - 04.00

Owner - Central Coalfields Ltd.

Dist. - Hazaribagh, State - Jharkhand

Person(s) Killed :

1. Kashi Mahto, Electric Helper, Male, 59 Years

While an electric helper was trying to climb on a stepped double pole structure of an over head line to check the condition of fuses and insulators, without using ladder and safety belt he lost balance and fell down on ground and received severe injuries on his vital internal organs like Lungs, heart etc. which proved fatal.

Had

- i) the adequate precautions been taken to prevent any person from ascending any of such support of overhead lines which can be easily climbed upon without the help of ladder or special appliances and
- ii) proper shut down procedure being followed before carrying any maintenance/repairing job in live line,

this accident could have been averted.

63. Date - 17/04/13
Time - 12.15

Mine - GODAVARI KHANI NO. 7 (LE) PROJECT
Owner - Singareni Collieries Company Ltd.
Dist. - Karimnagar, State - Andhra Pradesh
Person(s) Killed :

- 1. Ch. Sathaiah, Electrician, Male, 57 Years

While maintenance work on 3.3KV VCB was being done, two successive flashovers occurred in the VCB within a span of 10 minutes resulting in serious burn injuries to five persons including Electrician, who subsequently succumbed to burn injuries during treatment at Hospital after 10 days.

Had competent supervision been provided and adhering to the recommended work practices by using suitably rated HRC fuses in the PT circuit of 3.3KV VCB as required under Reg. 115 (3) (i) read with Reg. 12(1) and protective devices of upstream primary and secondary switches working as required under Reg. 45(2), this accident could have been averted.

64. Date - 05/07/13
Time - 14.00

Mine - PAREJ EAST OCP
Owner - Central Coalfields Ltd.
Dist. - Ramgarh, State - Jharkhand
Person(s) Killed :

- 1. Saheb Bhogta, Contractor Mazdoor, Male, 29 Years

While a contractor mazdoor was sitting on the cross arm of a tubular pole for drawing and tensioning over head line conductor, pole was broken from a height at about 8' from ground, and he fell down along with pole/support and received serious injuries on various part of the body, which proved fatal during treatment at hospital.

Had

- i) the stay arrangement was provided at both the terminating poles,
- ii) the condition of tubular pole was checked before erecting the pole.

this accident could have been averted.

Code : 0800

Falls (Other than Fall of Ground)

Code : 0881

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

65. Date - 13/07/13 Mine - GAUTHAM KHANI O/C
Time - 11.15 Owner - Singareni Collieries Company Ltd.
Dist. - Khammam, State - Andhra Pradesh
Person(s) Killed :

1. Gudesala Nagaiah, General Mazdoor, Male, 55 Years

While handling scrap material, standing at the edge of a dumper, a worker received head injuries when fell from a height of about 2.2m, to which he succumbed after two and half an hour.

Had the responsible persons ensured safe working procedures through supervision and provided proper equipment for loading and unloading of scrap materials, as required under the provision of Regulations 50(a), 50(d), 36(1)(ii) and 190 of Coal Mines Regulations, 1957, this accident could have been averted.

66. Date - 30/08/13 Mine - AMALGAMATED ANGARPATHRA RAMKANALI
Time - 13.30 Owner - Bharat Coking Coal Ltd.
Dist. - Dhanbad, State - Jharkhand
Person(s) Killed :

1. Sarjun Mistry, Tub Repairer, Male, 55 Years

While a work person engaged in dismantling roof sheets of abandoned winding engine room, opened the hook of safety belt and tried to get down from the slanted roof of winding engine room in hurry due to sudden downpour of rain, he slipped and fell down from a height of 5.5m, received serious bodily injuries to which he succumbed on the way to hospital.

Had the work person been vigilant and careful while walking on the slanting roof during coming down and thereby not negligently endangered his own safety in contravention of Reg 190 of the CMR 1957, this accident could have been averted.

1. Lal Mohammad, Charge Hand (Mech.), Male, 49 Years

A Mechanical Chargehand was found partially buried in coal of a wagon being loaded from a bunker and when taken to hospital he succumbed.

As the cause of the death couldn't be confirmed for want of eye witness, it is not proper to comment as to how this death on duty could have been averted.

68. Date - 30/09/13
Time - 22.30

Mine - CHASNALLA COLLIERY
Owner - Indian Iron & Steel Company Ltd.
Dist. - Dhanbad, State - Jharkhand
Person(s) Killed :

1. Binod Kumar Dey, Drill Operator, Male, 38 Years

While a drill operator, after trammimg, engaged himself for positioning the drill bit/rod by standing left side as operating levers were left side only and in this process drill machine toppled aside towards the edge of the OB bench giving no space to escape the drill operator who fell on to lower bench and got serious bodily injury and died on the spot.

Had the drill not been allowed to move along the edge of a bench and the safe operating procedures (SOP) framed by the manager been strictly followed by keeping the mast/boom in lowered position before positioning the anchoring jacks firmly on the ground, thus not negligently endangering the life of drill operator, as required under Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0882

**Fall of Persons on the Same Level
(4 Deaths)**

69. Date - 17/08/13
Time - 14.05

Mine - KATKONA 3&4
Owner - South Eastern Coalfields Ltd.
Dist. - Korea, State - Chhattisgarh
Person(s) Killed :

1. Lallu, Driller, Male, 53 Years

While a designated driller assigned work of cleaning spilled coal and breaking lumps was breaking coal lump measuring about 0.50m X 0.35m X 0.20m that had spilled from conveyor belt at transfer point in a development district of an underground coal mine, he somehow lost balance and fell down on floor, inflicting serious injuries in the neck, to which he succumbed within about 2 hrs on way to hospital.

Had

i) the spilled coal muck on the floor of transfer point been cleaned prior to breaking of coal lump thus not negligently omitted to do anything necessary for safety of himself as required under Regulation 190 of the Coal Mines Regulations, 1957 and

ii) the transfer point been periodically cleaned of spilled coal thereby not creating unsafe condition for work thus the safety of persons working thereat not been negligently endangered as required under Regulation 50 and 92 of the Coal Mines Regulations, 1957 read with DGMS Circular No. 11/1974,

this accident could have been averted.

70. Date - 02/09/13
Time - 12.30

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

1. Pritam Singh, Helper, Male, 22 Years

While a Helper of an outsourcing agency, slipped and fell down inside a maintenance & repair workshop and received serious bodily injuries to which he succumbed after three days while being treated in a hospital.

Had the working wherein the maintenance/repairing of machines were being carried out by outsourced agency, lying within the leasehold boundary of the mine, been placed under statutory supervision by competent persons, as required under Regulation 36(1)(a) of the Coal Mines Regulations, 1957, this accident could have been averted.

71. Date - 26/11/13
Time - 14.30

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

1. Karne Yadagiri, Driver, Male, 41 Years

While discussing with an electrician, driver of a contractor's vehicle suddenly collapsed and received serious injury when his head hit edge of a girder adjacent to the platform on which he was standing. When taken to hospital Doctors declared him brought dead, half an hour after the accident.

As nothing is mentioned in the Post Mortem Examination Report on the cause of his collapse, it is not proper to comment as to how this accident could have been averted.

72. Date - 26/12/13
Time - 12.20

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

1. Nandlal Kisku, Pump Operator, Male, 51 Years

While a pump operator was travelling along haulage cum traveling roadway having inclination of 16 degree (1 in 3.5) from horizontal he slipped and fell down causing serious injuries to his chest to which he succumbed in a hospital after treatment of about twenty days.

Had suitable steps been provided and maintained along haulage cum traveling roadway for the persons to travel to and from their working places as required by Regulation 88 of the Coal Mines Regulations 1957, this accident could have been averted.

Code : 0883

**Fall of Objects incl. Rolling Objects
(3 Deaths)**

73. Date - 27/04/13
Time - 03.05

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

1. Arjun Sada, General Mazdoor, Male, 43 Years

While a person was resting very close to an electrical gate end box in an underground coal mine, the gate end box was dragged by the trailing cable connected to a side discharge loader and toppled over him, in which he received serious bodily injury and died after 6 hours in the hospital.

Had

- i) the trailing cable been handled carefully during operation of the side dischrge loader, thus negligently not omitted the safety of the persons employed in the mine as required under Regulation 190 of the Coal Mines Regulations, 1957 and
- ii) the person not gone to a location which was not his place of work, thus negligently not endangered his own life as required under Regulation 38(3)(b) and 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

74. Date - 15/07/13
Time - 00.30

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

1. Lalji, Senior Mechanic, Male, 55 Years

While an electrician and a fitter were attending breakdown at the rear wheels of a 120T dumper placed close to blasted and unstable 13.0m high OB face, loose boulders embedded in the blasted muck and the blasted debris rolled down from the unstable face to hit the electrician injuring him seriously, who succumbed after about six hours whilst undergoing treatment at hospital. The fitter escaped with minor injuries.

Had the dumper been moved/towed away from the blasted and unstable OB face to a location which provided a safe place for the persons engaged in its repairs, as required by clause 7(3) (b) of Directorate's letter No. 204 dated 05.01.1980, granting relaxations from the provisions of Regulation 98(1)&(3) of the Coal Mines Regulations, 1957, this accident could have been averted.

75. Date - 12/12/13
Time - 11.30

Mine - BAHREBAND U.G. PROJECT
Owner - South Eastern Coalfields Ltd.
Dist. - Anuppur, State - Madhya Pradesh
Person(s) Killed :

1. Anil Kumar Banjare, Asstt. Foreman, Male, 45 Years

While a group of twelve persons including a supervisor were re-railing a derailed transformer on rail tracks by lifting the same from dip side end with the help of a piece of rail in a dip gallery of a underground coal mine, it lost balance and toppled over the supervisor, trapping him underneath, inflicting serious bodily injuries to which he succumbed instantly.

"Misadventure"

Code : 0889

**Other Accidents due to Falls
(2 Deaths)**

76. Date – 05/05/13

Mine – ASHOK OPENCAST PROJECT

Time – 18.25

Owner – Central Coalfields Ltd.

Dist. – Chatra, State – Jharkhand

Person(s) Killed :

1. Arun Kr. Mahato, Driver, Male, 45 Years

While a partially filled water sprinkler was being driven on a rising ramp, the water sprinkler skidded during reversal from upperbench and fell to a lower bench by a height of about 10m causing seriously bodily injuries to the operator to which he succumbed on the way to district hospital.

"Misadventure"

77. Date – 15/10/13

Mine – DIPKA MINE NO. IA

Time – 02.30

Owner – South Eastern Coalfields Ltd.

Dist. – Korba, State – Chhattisgarh

Person(s) Killed :

1. K. R. Sahu, Dozer Operator, Male, 59 Years

While dozer was being marched on an overburden bench to parking place during rest interval in a mechanized opencast coal mine, it somehow reached to the edge, got unbalanced and toppled down to the ramp of lower bench to a depth of about 4.33m causing serious bodily injuries to the operator to which he succumbed after about 03.00hrs and 15 minutes during the course of treatment in the hospital.

Had the dozer been marched carefully on a designated track not taking it to the edge of an overburden bench thus not negligently omitting his own safety and safety of the machine as required under Reg. 190 of the Coal Mines Regulation, 1957, this accident could have been averted.

STATEMENT NO. 5.14

Details of major accidents in coal Mines (involving 4 or more deaths) during the year 1901-2013

SI. 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	Ranepur	4	1	Explosion/Ignition of Firedamp
92	21/10/40	Bhualbararee	6	5	Fall of Sides
93	04/12/40	Ekra Khas	8	0	Fall of Roof
94	15/12/40	Jitpur	4	0	Fall of Roof
95	28/12/40	Kustore	4	0	Suffocation by Gases
96	24/04/41	Dishergarh West	6	0	Fall of Roof
97	05/05/41	South Bulliari Kendwadih	9	0	Fall of Roof
98	04/08/41	Sodepur 9 & 10 Pits	4	0	Fall of Roof
99	03/12/41	Dhemo Main	4	1	Fall of Sides
100	16/01/42	Kurhurbaree	5	5	Fall of Roof
101	12/02/42	Ghogri-Berkui	4	0	Fall of Roof
102	27/03/42	Seetalpur	4	0	Falling down Shafts
103	06/07/42	Makerwal	14	0	Irruption of Water
104	17/07/42	Pinalgoria	4	0	Irruption of Water
105	27/11/42	Jotejanaki Khas	6	0	Fall of Roof
106	22/02/43	Sodepur 9, 10 & 11 Pits	13	3	Fall of Roof
107	14/04/43	Banksimulla 11 & 12 Pits	5	0	Explosions
108	26/07/43	Ghorawari	7	0	Explosions
109	08/10/43	Jhamuria 7 & 8 Pits	12	1	Sundries Underground
110	04/02/44	Hurriladih	4	1	Fall of Roof
111	10/04/44	Khodo Valley	8	0	Fall of Sides
112	14/06/44	North Brook	4	0	Descending Shaft
113	25/08/44	Bright Jharia	4	0	Fall of Roof
114	07/09/44	Dhemo Main	6	0	Fall of Roof
115	13/03/45	Dhemo Main	4	1	Fall of Sides
116	13/06/45	Banksimulla 9 & 10 Pits	8	0	Fall of Sides
117	19/03/46	Begunia	13	0	Explosion/Ignition of Firedamp
118	09/06/46	Malikera-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)

SI. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
121	23/03/48	Chapui Khas	5	1	Explosions
122	19/05/48	Jamuria A & B Pits	4	0	Fall of Roof
123	08/10/48	Ekra Khas	6	0	Irruption of Water
124	15/12/48	Parbelia	8	2	Haulage
125	27/12/48	Kargali	4	0	Fall of Sides
126	24/10/49	Jamai Datla No. 2	4	0	Breakage of Rope/Chain
127	17/11/49	New Satgram	6	3	Fall of Roof
128	25/02/50	Rana	4	1	Fall of Roof
129	15/04/50	Bhatdee	4	0	Fall of Roof
130	29/08/50	Parbelia	4	0	Fall of Roof
131	04/10/50	Dhori	7	0	Irruption of Water
132	14/01/51	Chinakuri	4	1	In Shaft (Miscellaneous)
133	28/01/51	Ranipur	9	3	Descending Shaft
134	31/05/51	Methani	7	2	Fall of Roof
135	22/08/51	East Bhalgora	4	0	Fall of Roof
136	22/02/52	Dhemo Main	6	0	Fall of Roof
137	19/05/52	Mithapur	4	1	Fall of Sides
138	17/06/52	South East Baraboni Khas	5	4	Miscellaneous Surface
139	12/07/52	Dhemo Main	12	0	Fall of Roof
140	17/09/52	Bhatdee	5	0	Fall of Roof
141	19/11/52	Pure Chirimiri	7	0	Fall of Roof
142	22/01/53	Sonardih	4	0	Fall of Sides
143	15/05/53	Pure Chirimiri	8	1	Fall of Roof
144	05/07/53	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	Dhemo Main	6	1	Fall of Roof
148	24/08/53	Chinakuri	6	2	Irruption of Water
149	26/09/53	Jhagrakhand	4	0	Fall of Roof
150	30/09/53	Dhemo Main	4	0	Fall of Roof
151	08/01/54	Swang	7	0	Fall of Roof
152	19/01/54	Handiduah	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	Monoharbahal	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 Inflammable Gas
160	03/06/55	Pootkee	4	0	Fall of Objects in Shafts

Statement 5.14 (Continued)

SI. 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	Bhulabararee	4	1	Fall of Roof
164	13/06/56	Girimint	4	0	Haulage
165	12/09/56	Lodna	4	0	Irruption of Water
166	26/09/56	Binodicutta	4	0	Irruption of Water
167	26/09/56	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	Dhori	268	9	Explosion of Coal Dust
192	24/07/65	Ena	7	0	Fall of Roof
193	08/11/65	Rajnagar	5	1	Fall of Roof
194	11/01/66	Lower Badjna	5	2	Fall of Roof
195	17/05/66	Katras-Choitodih	8	1	Fall of Roof
196	16/01/67	Gonshadih	4	0	Fall of Roof
197	16/01/67	Laikdih Deep	4	0	Fall of Roof
198	28/09/67	Central Kujama	4	0	Overwinding of Cage
199	11/04/68	West Chirimiri	14	16	Fall of Sides
200	27/09/68	North Salanpur	6	0	Fall of Sides

Statement 5.14 (Continued)

SI. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
201	21/11/69	New Satgram	5	3	Fall of Roof
202	06/09/71	Mudidih	4	1	Fall of Roof
203	24/12/71	Kuya & Kuya Khas	4	0	Fall of Roof
204	18/03/73	Noonodih Jitpur	48	13	Explosion/Ignition of Gas/Dust
205	03/05/73	Bhowra South	4	1	Fall of Roof
206	11/01/74	Handiduha	4	3	Fall of Roof
207	11/03/74	Burhar No. 1	7	0	Fall of Roof
208	16/05/74	Parasea	4	1	Fall of Roof
209	31/10/74	Ranipur	4	1	Explosion/Ignition of Gas/Dust
210	10/01/75	Kalyan Khani No. 1	4	0	Fall of Roof
211	28/02/75	Hessalong	6	0	Fall of Sides
212	19/04/75	Churcha	5	0	Fall of Roof
213	14/05/75	Ara	5	0	Fall of Roof
214	27/07/75	Pannandhro Lignite	4	0	Fall of Sides
215	08/08/75	Kessurgarh	11	1	Fall of Roof
216	18/11/75	Silewara	10	1	Irruption of Water
217	27/12/75	Chasnalla	375	0	Irruption of Water
218	28/01/76	Bellampalli 2 Incline	5	0	Fall of Roof
219	05/04/76	Chasnalla	5	0	Irruption of Water
220	18/07/76	Kalyan Khani No. 5	4	1	Fall of Roof
221	16/09/76	Central Saunda	10	0	Irruption of Water
222	04/10/76	Sudamdh Shaft	43	3	Explosion/Ignition of Gas/Dust
223	31/03/78	Tara	5	2	Fall of Roof
224	17/08/78	Industry	4	0	Irruption of Water
225	31/12/78	Prakasam Khani No. 2	6	3	Fall of Roof
226	22/01/79	Baragolai	16	0	Explosion/Ignition of Gas/Dust
227	09/10/79	Bhanora	5	2	Fall of Roof
228	16/11/79	Bankola	4	3	Fall of Roof
229	09/06/80	Jorekuri Palasthali	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)

SI. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
241	26/11/86	Kenduadih	6	0	Fall of Roof
242	25/05/88	North Jhagrakhand	4	0	Fall of Roof
243	18/06/88	Dubeswari	4	0	Fall of Roof
244	30/06/89	South Govindpur	5	2	Fall of Roof
245	13/11/89	Mahabir (R)	6	0	Irruption of Water
246	18/10/90	Dhanpuri Incline	4	1	Fall of Roof
247	19/11/93	Tipong	9	0	Explosion/Ignition of Gas/Dust
248	18/01/94	Mahabir Khani No. 1	4	0	Fall of Roof
249	25/01/94	New Kenda	55	0	Fire
250	05/03/94	Kotma West	6	1	Fall of Roof
251	11/12/94	Bararee/Bhulanbararee	4	0	Other Winding Operation Acc.
252	27/09/95	Gaslitand	64	0	Irruption of Water
253	27/09/95	Katras-Choitodih	4	0	Irruption of Water
254	05/01/96	Kusunda	4	5	Fall of Roof
255	13/11/96	Satgram Incline	4	0	Fall of Roof
256	03/03/97	New Moghla	10	12	Explosion/Ignition of Gas/Dust
257	18/10/97	Sirka U/G	5	0	Fall of Roof
258	09/06/98	Kuju	5	1	Fall of Roof
259	06/07/99	Parascole (West)	5	3	Air Blast
260	06/10/00	Godavari Khani No. IX	5	0	Fall of Roof
261	03/11/00	Dobary	4	1	Fall of Roof
262	24/06/00	Kawdi Open Cast	10	0	Fall of Sides
263	02/02/01	Bagdigi	29	0	Irruption of Water
264	05/03/01	Durgapur 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
S/Shri					S/Shri
1	07/08/13	Jamadoba (Inundation)	7	Information not readily available.	
2	08/08/13	Bhatdih (Inundation)	7	Information not readily available.	
3	22/10/13	Chowrasi (Explosion)	27	Information not readily available.	
4	04/02/16	Bhowra (Subsidence)	24	Dy. Commissioner	1. Chief Inspector of Mines 2. T. H. Ward, Mining Engineer
5	20/02/16	Sitalpur (Winding)	6	Collector of Burdwan	1. Chief Inspector of Mines 2. G. C. Lathbury, Mining Engr.
6	20/07/16	Dishergarh (Explosion)	14	Collector of Burdwan	1. Chief Inspector of Mines 2. G. C. Lathbury, Mining Engr.
7	18/11/18	Dishergarh (Explosion)	10	Collector of Burdwan	1. Chief Inspector of Mines 2. T. H. Ward, Mining Engineer
8	24/11/19	Kustore South (Winding)	14	Dy. Commissioner	1. Chief Inspector of Mines 2. A. Wright, Mining Engineer
9	04/01/23	Parbelia (Explosion)	74	Dy. Commissioner	1. Chief Inspector of Mines 2. Colliery Superintendent
10	14/04/23	Rawanwara (Fall of Roof)	16	Dy. Commissioner	1. Chief Inspector of Mines
11	18/01/25	Newton Chikli (Breaking of Rope)	1	Information not readily available.	
12	09/04/28	Mudidih (Subsidence)	6	Addl. Dy. Commissioner	1. Chief Inspector of Mines 2. J. B. Wardlaw, Mining Engr.
13	20/12/28	Bhaskajuri (Inundation)	7	District Magistrate	1. Chief Inspector of Mines 2. J. Mackie, Mining Engineer
14	09/04/29	Sripur (Fall of Roof)	4	District Magistrate	1. Chief Inspector of Mines 2. J. B. Wardlaw, Mining Engr. 3. J. Mackie, Mining Engineer

Statement 5.15 (continued)

SI. 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	Sudamdhil 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	Hurriladiah (Inundation)	19	Justice C. T. Dighe	1. K. M. Trivedi 2. G. S. Marwaha

Statement 5.15 (Continued)

SI. 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 – VI

MISCELLANEOUS

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

COUNTRY	EXPORT																			
	2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13			
	Qty.	Value	Qty.	Value	Qty.	Value														
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	22
AFGANISTAN	-	-	-	-	-	-	300	572	-	-	-	-	-	-	-	-	-	-	"	
ALBANIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	90	4061828	"		
ANGOLA	-	-	-	-	-	-	-	-	-	-	-	8	78	-	-	-	-	-	"	
ARGENTINA	-	-	-	-	-	-	-	-	46000	928752	-	-	-	-	-	-	-	-	"	
AUSTRALIA	-	-	-	-	-	-	-	-	2	91	78325	538005	1	1	-	-	2	16500	"	
AUSTRIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	37176	"		
BAHARAIN IS	-	4669	42648	-	-	-	-	-	521950	390117	6305	84946	19721	204751	6562	136872	4060	73275184		
BANGLADESH	174851	1948898	1679060	2114712	1326040	2621819	1318678	2153755	1293716	2837785	1452821	3567235	1399352	2905555	1217706	3118231	1621635	5774866128	1632903	7202718584
BELGIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	500	12627	-	-	"	
BENIN	-	-	-	-	-	-	-	-	-	-	-	26	493	-	-	-	-	-	"	
BHUTAN	55310	59208	17502	53628	23050	93845	55189	192808	207395	583142	77098	413241	201995	577975	143635	632863	728309	903208864	77783	952746915
BRAZIL	130000	763803	38500	385167	37000	250317	45038	735534	192000	4177969	38500	633869	322500	6041575	368500	7737809	139001	2502387502	"	
BRUNEI	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	2156770	"		
BURKINA FASO	-	-	-	-	-	-	-	-	-	-	-	37	72	-	-	-	-	"		
CAMEROON	-	-	-	-	-	-	-	-	-	-	-	-	-	2780	80477	-	-	"		
CANADA	24	323	815	1607	-	-	-	-	55	81	1	13	4	10	-	-	-	2	4000	
CHILE	-	-	-	-	-	-	-	19	748	-	-	-	-	-	-	-	-	"		
CHINA P. REP.	-	672	569	-	-	4986	5320	-	-	1	6	2301449	7024284	282	1370	-	-	"		
COLOMBIA	-	-	-	-	-	-	14	636	-	-	-	-	-	-	-	-	-	"		
COTE D'IVOIRE	-	-	-	-	-	-	18000	829	4	12	-	-	-	-	-	-	"			
DENMARK	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-	-	-			
DOIBOUTI	-	-	-	-	-	-	120197	15581	-	-	-	-	20	531	20	568	61276	297590519		
DOMONIC REP.	-	-	-	-	-	-	-	7	319	-	-	-	-	-	-	-	-			
Egypt A R P	-	-	-	-	70	719	262	263	-	-	-	197	3990	141	1984	53	587034	"		
EL SALVADOR	-	-	-	-	-	-	14	680	-	-	-	16	344	-	-	50	206296	"		
ETHIOPIA	-	-	-	-	700	926	1000	2825	-	-	-	-	-	-	-	40	1338278	"		
FINLAND	-	-	-	-	-	-	-	-	-	-	-	38	44	-	-	-	-	"		
FRANCE	-	120	636	-	-	-	-	-	420500	1013804	3	7	33	157	-	-	-	-	"	
GER.FED.REP.	403	965	-	-	-	6	12	-	-	2	6	600	389	20	429	121	457287	134	2000696	
GHANA	-	-	-	-	218	391	-	-	-	-	-	-	47	1203	2	32550	27	727650		
GEORGIA	-	-	-	-	-	-	-	-	150	781	-	-	-	-	-	-	-	"		
HONG KONG	-	-	-	-	-	-	-	-	30	381	-	-	-	-	-	-	-	"		
HUNGERY	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	"		
INDONESIA	189	735	-	45	75	158	3078	-	-	10800	61243	20	738	84	8191	244	8893218	66	6647182	
ITALY	-	-	-	-	-	30	30	-	-	39980	728982	-	-	-	-	200	8891608	24161	372852802	
IRAN	-	-	-	-	-	-	-	-	-	5140	6832	121	1923	79999	1678194	1	18751	172	3524754	
IRAQ	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	2369508	18	998784		
IRELAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	242	2385515		
JAPAN	-	100000	316173	-	-	22000	197133	1	1	231557	1865117	20	460	18	543501	44	1015584			
JORDAN	-	-	-	-	-	-	9	83	31	295	-	-	30	706	234	6408921	391	11497797		
KAZAKHSTAN	-	-	-	-	-	-	-	-	-	-	-	-	16	255	-	-	-	"		
KENYA	-	400	819	279	1134	1009	3482	141	1237	23	216	96	1886	11	37	118	676529	"		
KOREA REP.	20	30	-	-	12	36	9400	183551	3430	25914	6401	129949	2924	73350	1725	40670709	"			
KUWAIT	154	801	35	122	-	43	609	120	275	-	-	-	-	-	-	2000	42988157	20006	101470191	
LEBNON	-	-	-	-	-	-	-	-	-	-	-	-	125	1513	-	-	-	"		
MALAYSIA	6	12	-	-	-	14	495	890	1734	-	-	-	34101	571736	82110	1297443465	79	2857118		

COUNTRY	EXPORT																			
	2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-	-	-
MALDOVA	-	-	-	-	70	133	-	-	-	-	-	-	-	-	-	-	-	-	6	50725
MAYANMAR	60	895	-	-	-	-	-	-	-	-	60	385	66	1122	-	-	-	-	-	-
MAURITIUS	200	447	-	-	-	-	1196	2203	1520	2117	3348	5002	-	-	11	250	-	-	-	-
MOROCCO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	320768	100	1442214	
MOZAMBIQUE	-	-	-	-	-	-	10	10	-	-	-	-	-	-	-	7	228946	24	370729	
NAMIBIA	-	-	-	-	-	-	-	-	1960	1927	-	-	-	-	-	-	-	"	"	"
NATURAL ZO	-	-	-	-	-	-	-	-	-	-	-	-	-	108	366	-	-	"	"	"
NEPAL	196122	29960	298811	530830	466115	502337	289739	547061	278539	533750	792849	741574	680475	1295311	723289	2487083	869999	2684953508	467129	2754619793
NETHERLAND	17	17	-	-	20	757	-	-	-	-	1	4	19880	357291	1	3	63	2681168	101	735417
NIGERIA	-	-	-	-	-	-	-	-	-	-	108	532	-	-	42	765	21	560041	59	1844789
N.MARIANA IS.	-	-	-	-	-	-	-	-	-	-	-	-	100	213	-	-	-	"	"	"
NORWAY																			1	7434
OMAN	394	538	-	-	-	-	480	1112	3095	5785	2219	5324	7	44	2	55	431	17526762	501	11938071
PAKISTAN IR	72	1021	3318	6831	31	77	28805	153547	9696	74086	17530	278754	5036	109503	25404	630795	71397	521001637	24817	444383541
PHILIPPINES	54	202	-	-	-	-	-	-	-	-	1820	11821	-	-	-	-	20	231064	"	"
QUATAR	-	-	-	-	-	-	1121	1701	-	-	204	260	-	-	-	-	4	144655	2	23896
RUSSIA	-	-	-	-	-	-	-	-	-	-	-	-	21	15	-	-	-	-	15	2123596
SAUDI ARAB	51	444	515	5091	-	-	2489	7701	954	15560	339	4943	547	8619	1603	18278	1205	22523972	815	26442386
SENEGAL	-	-	-	-	-	4	21	-	-	-	-	-	-	-	-	-	-	"	"	
SINGAPORE	14	214	-	-	-	-	63	603	200	425	-	-	-	-	-	144	2486578	1	11170	
SLOVENIA	-	-	-	-	-	-	-	-	-	-	-	-	-	55	138	-	-	"	"	
SOUTH AFRICA	100000	108061	14	149	609	6092	-	-	182	3506	1833	34809	-	-	328	10065	175	4020080	144	3545455
SPAIN	-	-	-	-	-	-	-	-	-	-	250	1890	-	-	-	-	-	"	"	
SRI LANKA	135	341	120	416	256	784	4070	8197	6599	16622	1459	16210	1253	27860	1272	33903	1787	37084286	923	24531736
SUDAN	-	-	-	-	-	5	134	-	-	260	1262	-	-	-	48	601	-	"		
SWITZERLAND	-	-	-	-	-	-	-	-	-	-	1	1	4	8	-	-	-	"	"	
SYRIA	-	-	-	-	-	-	-	-	-	130	2188	-	-	110	2331	-	-	"	"	
TAIWAN	-	-	-	-	-	-	-	-	-	-	10	14	-	-	-	12000	232847400			
TANZANIA REP.	-	-	-	-	1486	5897	1302	3147	-	-	-	-	-	-	-	58	4463609	8	216779	
THAILAND	-	-	-	-	-	-	-	-	-	-	960	6098	-	-	60	428	-	-	106	2317617
TOGO	-	-	-	-	-	-	-	-	-	5	15	-	-	-	-	-	-	"	"	
TURKEY	-	-	-	-	-	-	140	1537	-	-	-	-	79545	1466611	19	422	101	1109989	"	"
UGANDA	36065	36065	-	-	-	-	-	-	-	100	168	-	-	-	-	1	5610	"	"	
U.A.E.	21	104	1072	1473	247	1543	52	115	5719	7121	1828	28474	1240	25206	17964	97573	89210	424802360	91076	464169346
U.K.	15	281	-	-	-	-	907	1365	-	-	10	26	242	343	1	18	70	3954580	20	1151325
U.S.A.	200	698	134	630	813	2290	1096	2215	500	2533	5007	20277	36052	693186	500	4426	356	38684025	206	8780251
VIETNAM SOC.REP.	-	-	-	-	-	-	952	4071	-	-	7330	44986	-	-	-	-	-	"	"	
ZAMBIA	-	-	-	-	-	-	-	-	-	-	2	5	-	-	120	701	-	-	7	114404
ZIMBABWE	-	-	-	-	-	-	49	5	-	-	-	-	-	-	-	-	-	-	"	
UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	140	2357	-	-	17112	77433	1092	6188036	1776	12307709
TOTAL	694377	2954063	2145757	3461501	1857058	3489291	1897448	3852204	3023412	10980476	2550205	7268568	5308634	22744701	2645552	17424507	3689481	14974945257	2343865	12422575955

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

COUNTRY	IMPORT																	
	2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
AFGANISTAN	-	-	-	-	-	-	-	-	-	-	86	386	-	-	-	-	"	"
ARGENTINA	-	-	-	-	-	-	-	-	-	-	0	0	-	-	-	-	-	-
AUSTRALIA	1444082	79181693	15982936	91001317	20863485	113662393	19734915	15080452	23141828	188108022	18379915	190342984	28001280	369820218	30490421	316623309822	34747245	320455933943
AUSTRIA	-	-	-	-	-	-	-	-	-	-	175607	1405028	16930	181050634	"	"	-	-
BAHARAIN 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 HARZGOVIN	-	-	-	-	-	-	-	-	-	-	58166	1313972	-	-	42477	763297652	"	"
CANADA	-	-	42633	241996	19	609	53	1640	36	1053	21	337	229599	3157153	999495	10843475427	1247222	12247868942
CHILE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	926648	3309365422
CHINA P. REP.	5475725	31677774	8295973	49832869	4299380	48612317	2043741	43522429	130279	2028602	1120075	21836740	1199271	21834731	119191	2763900876	2236125	35109266595
COLIMBIA	-	-	22391	101253	140	1676	603	7623	176962	2594249	156387	1688497	127001	2756825	589351	7570796819	302544	4466493978
COTE D'IVOIRE	-	-	-	-	-	-	-	-	-	-	-	-	45598	192108	-	-	"	"
CZECH REP.	-	-	-	-	-	-	-	-	1	10	-	-	6824	97345	-	-	"	"
DENMARK	-	-	-	-	-	-	-	-	-	-	-	-	25	306	-	-	1	55770
EGYPT A. REP.	-	-	26844	275874	32998	329942	-	-	86317	1514360	-	-	2000	7010	-	-	11850	91500438
ESTONIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	328664
FRANCE	-	-	-	-	-	-	-	-	-	-	-	-	5480	72298	-	-	"	"
GERMAN F. REP.	162	2717	37	1203	59	1822	76	2857	40	1410	21	752	49353	704394	351	14108804	17	608842
GHANA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	27	727650
GUINEA BISSAU	-	-	-	-	-	-	-	-	-	-	-	-	7500	27443	-	-	"	"
HONGKONG	-	-	-	-	-	-	-	-	-	-	116	2027	35	752	-	-	96	2366822
INDONESIA	16057983	36481089	18740878	42913199	19516881	52844545	28767683	12643907	32164179	115473599	38973398	147797062	55260271	258416953	82392520	329706331317	101898576	41328862468
IRAN	-	-	-	-	23376	254889	556	5157	-	-	14286	107492	85902	683289	-	-	"	"
IRELAND	-	-	-	-	-	-	-	-	-	-	-	-	10017	34021	58	695040	125	1101602
ISRAEL	-	-	-	-	-	-	-	-	-	-	-	-	59999	951431	-	-	-	-
ITALY	-	-	480	1311	-	-	-	-	10998	165116	10072	208505	14135	210237	34799	365289147	69906	1065141418
JAPAN	99245	681343	370172	2569296	214899	2324820	70343	10076636	281043	4004989	121168	2016917	452152	8769539	753810	14543546146	577516	9671787402
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
LITHUANIA	-	-	-	-	-	-	-	-	-	-	-	-	23	237615	143	2797720	-	-
MALTA	-	-	-	-	-	-	-	-	-	-	-	-	10000	113984	-	-	"	"
MALAYSIA	16	294	22	169	24649	150249	-	-	-	-	11279	147287	62776	484089	-	-	55109	200976485
MAURITIUS	-	-	-	-	-	-	-	-	-	-	61	430	-	-	6	133100	"	"

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

COUNTRY	IMPORT																	
	2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011		2011-12		2012-13		2013-14	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	"	"
1	6	7	8	9	10	11	12	13	14	15	16	17	18	19	-	-	"	"
MEXICO	-	-	-	-	-	-	-	-	-	-	21536	239291	16100	175346	-	-	"	"
MONGOLIA	-	-	-	-	-	-	-	-	16	545	-	-	-	-	32800	417156873	"	"
MOROCCO	-	-	-	-	12011	154050	-	-	-	-	-	-	2097	9856	-	-	"	"
MOZAMBIQUE	44108	130839	-	-	-	-	-	-	82917	314731	100	685	49057	492492	978309	10186976485	1498624	11862670897
MYANMAR	-	-	-	-	-	-	-	-	-	-	-	-	19810	85626	-	-	"	"
NEPAL	-	-	24	181	14	9	-	-	-	-	-	-	-	-	-	-	"	"
NETHERLAND	-	-	71	1734	-	-	4	77	46369	518344	7003	19545	50339	488424	34	1531421	57	3739480
NEWZELAND	606411	4065906	692210	4395593	770544	4494271	839628	8862858	1059317	9976882	836645	8020180	959787	1298583	1046858	11355826534	1131811	10729310529
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	2235122	266672	668177	60552	208396	165404	561674511	"	"
POLAND	-	-	-	-	-	-	-	-	384121	5131822	43730	1061861	85043	1972992	409433	7760712799	170037	3097279708
PORTUGAL	-	-	-	-	-	-	-	-	-	-	-	-	5000	16300	-	-	"	"
QUATAR	-	-	-	-	-	-	-	-	-	-	-	-	20	659	-	-	"	"
RUSSIA	78811	641603	50200	199181	102179	484268	499263	7743904	2144075	9889116	428599	6191028	1494500	14530755	741881	10366287255	879730	8318754092
SAUDI ARAB	3	86	-	-	-	-	-	-	-	-	-	-	102358	674692	-	-	"	"
SINGAPORE	-	-	466	1324	80151	610491	-	-	-	-	-	-	24766	517204	60391	351454406	"	"
SPAIN	-	-	-	-	-	-	-	-	95	1976	591	14809	244	6593	256	8148302	500	13427190
SOUTH AFRICA	32439131	9813138	2387874	8175974	6972778	28690262	7093242	44981007	14492318	61269478	2903112	61231979	12217251	77107162	20294980	113591170887	20616630	111281487615
SRI LANKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	"	"	
ST LUCIA	-	-	-	-	35860	152279	-	-	-	-	376	6338	-	-	-	-	"	"
SWEDEN	-	-	-	-	-	-	-	-	246192	2671350	-	-	-	-	-	-	"	"
SWITZERLAND	-	-	15290	141268	-	-	-	-	-	-	-	-	-	-	-	-	"	"
TAIWAN	-	-	545	5390	-	-	100	1634	-	-	-	-	69548	456708	-	-	"	"
TAJIKISTAN	-	-	-	-	-	-	-	-	53	505	-	-	-	-	-	-	"	"
TANZANIA REP	-	-	-	-	-	-	-	-	-	-	-	-	6000	17617	-	-	-	-
THAILAND	39	507	20	267	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	"	"
U.K.	983	15336	638	12046	596	10085	600	13730	1330	23579	104407	1093244	36863	694661	2012	55208917	2236	6208938
UKRAINE	-	-	-	-	-	-	-	-	125538	1131658	51349	599543	666611	10084895	1167740	18882555074	895870	12412424601
U.S.A.	1022433	7628020	878151	5439054	558632	3669080	1215151	16325013	1494925	14558029	2051559	23623109	3007634	40140037	6389457	55033752652	3651073	32074881518
VIETNAM SOC.REP.	120408	86086	301018	1766463	202131	1230855	257863	3419100	206483	2002241	289925	3635509	85002	1545173	141162	2449327127	49898	747019788
VENEZUELA	-	-	-	-	-	-	-	-	-	-	-	-	32204	413266	40	866519	133	2856329
UNSPECIFIED	-	-	-	-	-	-	-	-	6000	21343	-	-	387408	2078709	232060	1650080	1921267	10239635452
ZIMBABWE	-	-	-	-	-	-	-	-	-	-	-	-	6122	30189	-	-	"	"
TOTAL	57389540	170406431	47808873	207076962	54042069	258615965	60802293	277835672	77020563	424102453	66399445	476137498	105217314	835959832	148866638	925384066359	172661752	"

STATEMENT NO. 6.2

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

STATE	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
1	2	3	4	5	6	7	8	9	10	11
ANDHRA PRADESH	0.00	0.00	0.00	0.00	1067.60	1203.17	1509.21	1849.02	2551.36	1473.04
ASSAM	0.00	0.00	0.00	0.00	1399.27	1188.42	1655.51	1959.82	2349.46	1299.15
BIHAR	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CHATTISGARH	0.00	0.00	0.00	1424.80	1415.40	1499.79	1711.93	2608.95	3811.09	1337.30
GUJARAT	0.00	0.00	0.00	1867.27	2001.14	3166.05	4152.44	4154.38	0.00	2892.87
JHARKHAND	0.00	0.00	0.00	1244.61	1202.42	1463.05	1593.06	1913.65	2947.06	1716.32
JAMMU & KASHMIR	0.00	0.00	0.00	1171.55	1171.55	1238.85	1389.57	1389.57	1389.57	1389.57
MADHYA PRADESH	0.00	0.00	0.00	1390.98	1390.98	1800.85	1848.81	3558.99	5212.38	3182.37
MAHARASHTRA	0.00	0.00	0.00	1463.30	1756.67	2074.98	2104.01	3687.40	4602.34	4225.46
ORISSA	0.00	0.00	0.00	1175.23	1175.23	1779.34	1746.36	1712.29	4666.19	1898.76
TAMILNADU	0.00	0.00	0.00	2010.98	618.78	2034.96	3101.59	3101.59	3101.59	0.00
UTTAR PRADESH	0.00	0.00	0.00	803.60	847.62	1399.91	1433.75	1448.99	5642.03	0.00
WEST BENGAL	0.00	0.00	0.00	1161.26	1161.26	1390.86	1498.50	2935.60	3115.91	3779.73
ALL INDIA (COAL)	0.00	0.00	0.00	1483.96	1471.44	1776.73	1947.75	2958.71	4092.69	2733.52

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

STATEMENT NO. 6.3

Average weekly Cash Earnings of Coal Mines Workers During the month of December, 2013

(in Rupees)

STATES	Category of Workers											OVERALL	
	BELOW GROUND WORKINGS				OPEN CAST WORKINGS				ABOVE GROUND WORKINGS				
	Overman & Sirdar	Miners & Loaders	Other Face Workers	Others	Overman & Sirdar	Miners & Loaders	Other Face Worker	Others	Clerical Staff	Others			
1	2	3	4	5	6	7	8	9	10	11	12		
ANDHRA PRADESH	8848	5334	6261	6784	16324	13193	11788	10003	12226	9583	7179		
ASSAM	10276	11341	4370	5948	13905	--	--	16421	10094	10971	10029		
CHATTISGARH	14078	13624	11854	10098	22370	10355	6988	17102	12699	11306	11620		
GUJARAT	--	--	--	--	16029	8589	8666	13272	7573	5010	9523		
JAMMU & KASHMIR	3637	1410	--	1927	--	--	--	--	2672	2013	1738		
JHARKHAND	16124	10452	8582	6757	15492	3376	15809	12447	10607	10316	9561		
MADHYA PRADESH	14932	11893	10828	15707	16562	51775	15168	13577	16401	12744	13318		
MAHARASHTRA	16545	18248	9995	14104	16476	11673	11643	17505	13006	10256	12192		
MAHARASTRA	--	--	--	--	13530	--	13029	21387	12300	11168	13887		
ORISSA	17739	25205	6757	11627	15502	15500	3990	11573	13603	9913	11473		
RAJASTHAN	--	--	--	--	9306	--	--	6938	7934	6030	7006		
TAMILNADU	--	--	--	--	18139	22721	--	20111	17578	17603	18403		
UTTAR PRADESH	--	--	--	--	20965	16718	13422	15412	15408	11119	13462		
WEST BENGAL	13672	10739	14115	7366	11726	--	9085	8242	9823	7858	9133		
ALL INDIA	13010	8447	9152	7994	16610	6683	12462	13689	12919	10627	10124		

Novemver 2015

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