



STATISTICS OF MINES IN INDIA VOLUME –I (COAL) 2010



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

STATISTICS OF MINES IN INDIA

VOLUME-I (COAL)

2010

**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 सूचनाओं प्राप्त करते हैं। “ रेटेटरीक्स ऑफ माइन्स इन इन्डिया ”- वॉल्यूम-I (कोल) शीर्षक नामक वर्ष 2010 के लिए यह प्रकाशन ऐसी ही विवरणी एवं सूचनाओं पर आधारित है जो खान अधिनियम 1952 की अधिकारिता के अन्तर्गत आनेवाले भारत के सभी कोयला खानों को समाविष्ट करता है।

यह प्रकाशन रोजगार, उत्पादन, उत्पादकता तथा अन्य सम्बद्ध रूपरेखाओं जैसे कोयला खानों में सीम की गैसीनेस, यंत्रीकरण तथा विस्फोटकों आदि का प्रयोग सम्बन्धित सूचना पर प्रकाश डालता है। इसके अतिरिक्त संदर्भ वर्ष के दौरान कोयला के खानों में घटित प्रत्येक प्राणघातक दुर्घटना के सम्बन्ध में डी. जी. एम. एस. के अधिकारियों द्वारा सम्पादित जाँच 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 जाँच-व्यायालयों की अद्यतन सूची को भी शामिल किया गया है।

मुझे आशा है कि यह खंड कोयला खबर 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 रवानात है।

१३८

राहुल गुहा
खान सुरक्षा महानिदेशक

अक्टूबर, 2014
धनबाद।

PREFACE

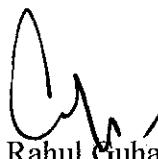
Directorate General of Mines Safety, entrusted to enforce the Mines Act, 1952 throughout the country, receives various statutory Returns and Notices under the Coal Mines Regulations, 1957. This publication entitled " Statistics of Mines in India-Vol. I (Coal) " for the year 2010 is based on such Returns and Notices and covers all coal mines in India coming under the purview of the Mines Act, 1952.

This publication contains information regarding employment, production, and other associated aspects such as gassiness of seams, mechanization, 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.

October, 2014.
Dhanbad.



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INTRODUCTION

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

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

SECTION - I: EMPLOYMENT AND OUTPUT

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

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

Statement No.1.1

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

Statement Nos. 1.11 to 1.14

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

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

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

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

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

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

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

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

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

Statement Nos.1.18 & 1.19

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

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

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

SECTION - II : GASSINESS

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

Gassy seam of the first degree :-

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

Gassy seam of the second degree :-

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

Gassy seam of the third degree :-

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

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

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

SECTION - III : EXPLOSIVES

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

SECTION IV : MACHINERIES

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

SECTION - V : ACCIDENTS

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

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

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

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

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

SECTION – VI : MISCELLANEOUS

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

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

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Notes: 1. Figures of Andhra Pradesh available in state-wise tables includes that of the state Telangana also. The state Telangana was not formed during 2010.

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*	Below ground	Open- cast	Above ground
1	2	3	4	5	6	7	8	9	10	11	12	13
1961	16.9	...	203.0	43.2	5.9	6.3	1.9	128.6	411	230	60	121
1966	25.6	...	205.1	48.2	7.3	7.5	3.0	124.6	425	254	48	123
1971	21.6	...	187.4	49.7	7.9	7.6	4.4	99.2	382	228	43	111
1976	37.6	...	241.8	66.3	15.8	8.9	4.2	130.8	510	276	71	163
1981	41.2	...	225.9	76.9	19.3	10.3	5.3	129.1	513	302	55	156
1986	58.0	...	219.6	91.6	25.9	12.4	6.0	121.4	543	312	63	168
1991	73.5	...	214.2	97.1	31.6	14.4	5.3	109.2	554	316	67	171
1992	73.4	...	209.8	98.2	32.8	15.3	5.7	107.8	552	311	67	174
1993	75.8	...	202.4	97.8	32.5	15.2	6.9	106.8	546	308	68	170
1994	71.6	...	193.7	93.4	32.4	15.4	6.9	101.9	524	293	67	164
1995	72.2	...	187.5	94.2	32.1	15.6	6.9	96.3	513	287	68	158
1996	71.8	...	182.6	91.3	31.9	16.5	7.6	95.9	506	281	68	157
1997	70.7	...	176.2	93.8	33.1	16.5	7.0	96.8	503	279	68	156
1998	68.6	...	166.4	93.5	34.2	16.6	7.1	95.6	491	270	69	152
1999	68.6	...	158.1	90.3	32.8	17.7	7.4	87.8	476	258	71	147
2000	67.2	36.3	148.1	53.4	33.6	17.7	7.1	82.2	458	249	69	140
2001	65.4	35.4	141.1	49.8	31.3	16.0	7.4	79.5	438	239	69	130
2002	62.3	35.1	135.7	48.9	30.7	16.3	7.3	74.2	423	225	69	129
2003	60.6	35.1	129.2	49.4	30.5	18.4	9.1	72.9	417	216	69	132
2004	59.7	35.9	121.9	48.6	29.2	17.8	9.8	70.6	405	211	70	124
2005	58.7	36.1	118.8	45.2	22.9	17.4	12.1	69.5	399	205	70	124
2006	57.8	36.3	114.6	44.9	28.7	16.4	10.6	64.5	386	196	76	114
2007	55.9	33.3	113.5	45.3	27.6	16.6	12.8	63.2	379	188	80	111
2008	57.9	32.0	100.8	46.9	29.4	16.5	12.6	63.6	369	187	77	105
2009	62.9	32.2	101.1	44.5	29.3	18.4	10.8	62.4	374	186	80	108
2010	69.7	31.6	95.5	43.8	26.4	18.9	11.1	58.8	370	182	83	105

-- 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, 2010.

STATE/DISTRICT	NO.OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL INCLUD- ING OTHERS	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
1. COAL																		
ANDHRA PRADESH																		
Adilabad	23	22520	1516	790	5240	3272	18759	1233	97	359	2237	319	1205	1524	22372	148		
Karimnagar	22	28091	298	1125	3708	4005	19395	794	21	3654	5300	524	2872	3396	27877	214		
Khammam	14	13159	1762	262	317	505	4313	293	709	1381	4394	326	4126	4452	13075	84		
Warangal	7	5945	341	218	1269	1347	4868	12	--	42	699	78	300	378	5943	2		
TOTAL: ANDHRA PRADESH	66	69715	3917	2395	10534	9129	47335	2332	827	5436	12630	1247	8503	9750	69267	448		
ARUNACHAL PRADESH																		
Chaglong	1	408	--	--	--	--	--	12	--	--	18	60	330	390	406	2		
ASSAM																		
Tinsukia	6	2116	64	39	305	69	500	86	120	557	864	158	594	752	2035	81		
CHATTISGARH																		
Bilaspur	2	658	23	40	54	76	549	--	--	--	--	28	81	109	630	28		
Raigarh	10	4819	3039	189	249	680	2572	106	297	36	1255	313	679	992	4809	10		
Surguja	15	7313	408	330	313	1794	4495	129	--	366	1477	471	870	1341	7168	145		
Korea	16	8389	279	502	330	2629	6369	9	--	68	77	475	1468	1943	8154	235		
Korba	16	10395	492	225	1295	1643	3750	316	--	1049	2585	1404	2656	4060	10194	201		
TOTAL: CHATTISGARH	59	31574	4241	1286	2241	6822	17735	560	297	1519	5394	2691	5754	8445	30955	619		
JHARKHAND																		
Deoghar	2	1343	--	--	--	--	--	17	16	467	620	126	597	723	1212	131		
Dhanbad	99	57721	1482	2119	5017	8924	32275	503	626	4240	8932	3927	12587	16514	54850	2871		
Giridih	3	647	6	--	--	--	--	21	--	178	359	60	228	288	638	9		
Godda	1	1679	232	--	--	--	--	41	--	320	658	170	851	1021	1547	132		
Hazaribagh	36	17320	--	293	1777	1745	5054	321	696	1387	5811	1781	4674	6455	16220	1100		
Palamu	3	547	115	--	--	--	--	12	--	176	295	45	207	252	520	27		
Ranchi	6	2563	16	19	47	225	326	60	--	734	978	313	946	1259	2367	196		
Sahebganj	1	54	--	--	--	--	--	2	--	23	37	9	8	17	52	2		
Bokaro	22	11055	187	162	1043	1073	3197	197	1114	1569	4551	1108	2199	3307	10437	618		
Pakur	1	312	156	--	--	--	--	16	72	--	165	63	84	147	312	--		
Chatra	3	2153	168	22	103	--	426	102	--	510	851	181	695	876	2102	51		
Latehar	1	138	--	--	--	--	--	6	--	--	105	13	20	33	138	--		
TOTAL: JHARKHAND	178	95532	2362	2615	7987	11967	41278	1298	2524	9604	23362	7796	23096	30892	90395	5137		

STATEMENT NO. 1.2 (CONTD.)

STATE/DISTRICT	NO. OF MINES	TOTAL EMPLOY- MENT	CONT- RACT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				EMPLO- YMENT (INCLU- ING CONTRACT)	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		
JAMMU & KASHMIR																		
Rajauri	2	493	--	11	211	--	391	--	--	--	--	9	93	102	493	--		
Udhampur	1	128	--	3	72	--	100	--	--	--	--	3	25	28	128	--		
TOTAL: JAMMU & KASHMIR	3	621	--	14	283	--	491	--	--	--	--	12	118	130	621	--		
MADHYA PRADESH																		
Betul	9	4778	48	298	237	1217	3977	--	--	--	--	218	583	801	4745	33		
Chhindwara	22	7481	306	382	807	1209	5412	34	3	65	373	416	1280	1696	7226	255		
Narsigpur	1	358	291	--	--	--	--	11	--	34	121	56	181	237	358	--		
Shahdol	28	17273	609	731	889	4480	11017	118	194	450	1456	1308	3492	4800	17008	265		
Sidhi	4	8729	2529	--	--	--	--	186	--	2862	5166	1033	2530	3563	8609	120		
Umaria	9	3896	146	233	88	1300	2862	10	--	67	77	224	733	957	3801	95		
Anuppur	2	770	28	33	--	81	532	18	--	--	90	65	83	148	742	28		
Singrauli	1	556	241	--	--	--	--	12	--	--	377	70	109	179	548	8		
TOTAL: MADHYA PRADESH	76	43841	4198	1677	2021	8287	23800	389	197	3478	7660	3390	8991	12381	43037	804		
MAHARASHTRA																		
Chandrapur	29	14007	389	299	931	2071	4817	207	31	1630	2773	1484	4933	6417	13631	376		
Nagpur	13	7528	149	290	709	2038	4216	93	108	593	1005	598	1709	2307	7370	158		
Yavatmal	12	4821	553	54	349	--	721	164	--	483	2510	452	1138	1590	4736	85		
TOTAL: MAHARASHTRA	54	26356	1091	643	1989	4109	9754	464	139	2706	6288	2534	7780	10314	25737	619		
ORISSA																		
Angul	11	10169	3277	80	147	240	1549	176	248	1534	5014	700	2906	3606	9901	268		
Sambalpur	1	341	218	--	--	--	--	14	11	102	138	13	190	203	340	1		
Sundergarh	1	734	287	--	--	--	--	16	--	598	697	23	14	37	723	11		
Jharsuguda	11	7662	1688	211	82	1192	2961	132	80	1350	2624	546	1531	2077	7568	94		
TOTAL: ORISSA	24	18906	5470	291	229	1432	4510	338	339	3584	8473	1282	4641	5923	18532	374		
UTTAR PRADESH																		
Sonebhadra	5	7824	1606	--	--	--	--	170	--	3693	4879	767	2178	2945	7645	179		
WEST BENGAL																		
Bankura	2	695	8	28	--	418	464	2	--	--	12	94	125	219	672	23		

STATEMENT NO. 1.2 (CONTD.)

STATE/DISTRICT	NO. OF MINES	TOTAL EMPLOY- MENT (INCLU- ING CONTRACT)	CONT- RACT EMPLO- YMENT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
				OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLU- DING OTHERS)	OVERMEN & SIRDARS	MINERS & LOADERS	OTHER FACE WORKERS	TOTAL (INCLUD- ING OTHERS)	CLERICAL & SUPER- VISORY STAFF	OTHERS	TOTAL	MEN	WOMEN		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
Birbhum	2	134	--	--	--	3	6	7	--	--	95	15	18	33	130	4		
Burdwan	99	56526	2688	1805	5672	12472	35330	249	441	852	4111	3931	13154	17085	53625	2901		
Purulia	2	1483	--	63	157	384	959	--	--	--	--	90	434	524	1432	51		
TOTAL: WEST BENGAL	105	58838	2696	1896	5829	13277	36759	258	441	852	4218	4130	13731	17861	55859	2979		
ALL INDIA : COAL	577	355731	25645	10856	31418	55092	182162	5907	4884	31429	73786	24067	75716	99783	344489	11242		
2. LIGNITE																		
GUJARAT																		
Bharuch	2	1293	840	--	--	--	--	32	818	--	1080	95	118	213	1279	14		
Bhavanagar	2	216	118	--	--	--	--	13	--	--	135	25	56	81	216	--		
Kutch	2	700	--	--	--	--	--	39	--	--	490	63	147	210	674	26		
Surat	3	621	389	--	--	--	--	30	--	114	498	9	114	123	621	--		
TOTAL: GUJARAT	9	2830	1347	--	--	--	--	114	818	114	2203	192	435	627	2790	40		
RAJASTHAN																		
Barmer	1	201	--	--	--	--	--	6	80	--	128	17	56	73	201	--		
Bikaner	2	266	216	--	--	--	--	6	--	--	258	4	4	8	266	--		
Nagaur	1	26	4	--	--	--	--	1	5	2	11	12	3	15	26	--		
TOTAL: RAJASTHAN	4	493	220	--	--	--	--	13	85	2	397	33	63	96	493	--		
TAMILNADU																		
Cuddalore	2	11083	3635	--	--	--	--	1711	440	--	6287	997	3799	4796	11083	--		
ALL INDIA : LIGNITE	15	14406	5202	--	--	--	--	1838	1343	116	8887	1222	4297	5519	14366	40		
ALL INDIA : ALL COAL	592	370137	30847	10856	31418	55092	182162	7745	6227	31545	82673	25289	80013	105302	358855	11282		

STATEMENT NO. 13
AVERAGE DAILY EMPLOYMENT IN COAL MINES DURING THE YEAR, 2010 : OWNERWISE

OWNER	NO.OF MINES	TOTAL EMPLOY- MENT	CONT- RACT	BELOW GROUND WORKINGS					OPENCAST WORKINGS					ABOVE GROUND WORKINGS			OVERALL	
	(INCLU- ING CONTRACT)	EMPO- 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	85	46478	392	1421	3334	7516	23602	466	551	3930	8642	3351	10883	14234	43981	2497		
CCL	63	30736	184	456	2901	2934	8230	600	1770	4409	10900	3226	8380	11606	28828	1908		
ECL	114	64199	1219	2130	6514	13944	39114	256	604	1955	4285	4784	16016	20800	60561	3638		
MCL	23	18565	5252	291	229	1432	4510	324	328	3482	8335	1269	4451	5720	18192	373		
NCL	10	17109	4376	--	--	--	--	368	--	6555	10422	1870	4817	6687	16802	307		
NEC	6	2116	64	39	305	69	500	86	120	557	864	158	594	752	2035	81		
SECL	91	49543	2250	2130	3218	12003	30123	609	194	2036	5736	4037	9647	13684	48536	1007		
WCL	83	38002	1230	1303	2839	6535	18915	470	142	2548	6382	3114	9591	12705	37095	907		
CIL	475	266748	14967	7770	19340	44433	124994	3179	3709	25472	55566	21809	64379	86188	256030	10718		
JSMDC	1	138	--	--	--	--	--	6	--	--	105	13	20	33	138	--		
DVC	1	186	--	--	--	--	--	15	--	23	79	48	59	107	181	5		
GMDC	6	2335	1052	--	--	--	--	89	818	114	1804	190	341	531	2295	40		
IISCO	3	2593	261	163	103	1	1335	46	--	17	570	115	573	688	2533	60		
J&K Min.	3	621	--	14	283	--	491	--	--	--	--	12	118	130	621	--		
NLC	4	11349	3851	--	--	--	--	1717	440	--	6545	1001	3803	4804	11349	--		
SCCL	66	69715	3917	2395	10534	9129	47335	2332	827	5436	12630	1247	8503	9750	69267	448		
TISCO	9	7797	1090	326	954	740	5622	66	--	118	1452	244	479	723	7789	8		
RSMDC	1	201	--	--	--	--	--	6	80	--	128	17	56	73	201	--		
PIL	1	233	--	--	--	--	--	16	--	--	185	24	24	48	233	--		
GIPCL	2	438	257	--	--	--	--	20	--	--	350	--	88	88	438	--		
GHCL	1	57	38	--	--	--	--	5	--	--	49	2	6	8	57	--		
JINDAL	3	1176	1023	--	--	--	--	65	236	--	878	67	231	298	1176	--		
BENGALEMTA	2	544	402	--	--	--	--	36	--	--	473	18	53	71	544	--		
APMDTC	1	408	--	--	--	--	--	12	--	--	18	60	330	390	406	2		
BLAI	1	358	291	--	--	--	--	11	--	34	121	56	181	237	358	--		
ICML	1	1218	1202	--	--	--	--	39	--	--	886	101	231	332	1218	--		
INDAL	1	341	218	--	--	--	--	14	11	102	138	13	190	203	340	1		
MIL	1	1652	1190	110	--	680	1431	--	--	--	--	133	88	221	1652	--		
CTL	1	68	6	--	--	--	--	4	--	--	5	6	57	63	68	--		
RSMM	1	26	4	--	--	--	--	1	5	2	11	12	3	15	26	--		
JNL	1	808	475	43	--	--	592	7	--	--	137	21	58	79	808	--		
RASL	2	460	86	--	--	--	--	37	61	223	360	37	63	100	460	--		
SISCL	1	254	215	20	194	--	228	--	--	--	--	23	3	26	254	--		
ELCALTD	1	218	187	15	10	109	134	17	40	4	61	2	21	23	218	--		
WBMD&TCL	1	38	--	--	--	--	--	2	--	--	12	10	16	26	38	--		
UML	1	157	115	--	--	--	--	3	--	--	110	8	39	47	157	--		
ALL INDIA	592	370137	30847	10856	31418	55092	182162	7745	6227	31545	82673	25289	80013	105302	358855	11282		

STATEMENT NO. 1.4

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2010.

STATE/DISTRICT	BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
				1 2 3 4 5
1.COAL				
ANDHRA PRADESH				
Adilabad	5588273	777013	450327	6815613
Karimnagar	5923727	1728164	1097094	8748985
Khammam	1297704	1331480	1451322	4080506
Warangal	1479223	220160	109071	1808454
TOTAL: ANDHRA PRADESH	14288927	4056817	3107814	21453558
ARUNACHAL PRADESH				
Chaglong	--	5060	107410	112470
ASSAM				
Tinsukia	155711	268998	234105	658814
CHATTISGARH				
Bilaspur	195314	--	38624	233938
Raigarh	812948	384974	284682	1482604
Surguja	1609240	531465	474344	2615049
Korea	2215856	27872	671471	2915199
Korba	1334852	887313	1399127	3621292
TOTAL: CHATTISGARH	6168210	1831624	2868248	10868082
JHARKHAND				
Deoghar	--	223200	248760	471960
Dhanbad	9798538	3014413	5245967	18058918
Giridih	--	108714	91016	199730
Godda	--	197400	306300	503700
Hazaribagh	1555526	1868939	2081998	5506463
Palamu	--	94935	87455	182390
Ranchi	101264	354294	449315	904873
Sahebganj	--	11439	5329	16768
Bokaro	981975	1451175	1013400	3446550
Pankur	--	52452	46746	99198
Chatra	135607	285942	292345	713894
Latehar	--	31816	10857	42673
TOTAL: JHARKHAND	12572910	7694719	9879488	30147117
JAMMU & KASHMIR				
Rajauri	119484	--	31176	150660
Udhampur	30400	--	8512	38912
TOTAL: JAMMU & KASHMIR	149884	--	39688	189572
MADHYA PRADESH				
Betul	1347549	--	270547	1618096
Chhindwara	1706194	118324	534121	2358639
Narsighpur	--	28101	61215	89316
Shahdol	3642235	520120	1605897	5768252
Sidhi	--	1742311	1148914	2891225
Umaria	971022	28105	311833	1310960
Anuppur	194084	33146	54006	281236
Singrauli	--	117936	55848	173784
TOTAL: MADHYA PRADESH	7861084	2588043	4042381	14491508

STATEMENT NO. 1.4 (CONT.)

STATE/DISTRICT	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
MAHARASHTRA				
Chandrapur	1648475	986306	2265507	4900288
Nagpur	1365239	329335	760202	2454776
Yavatmal	253284	814901	519009	1587194
TOTAL: MAHARASHTRA	3266998	2130542	3544718	8942258
ORISSA				
Angul	533523	1649095	1210630	3393248
Sambalpur	--	41163	61014	102177
Sundergarh	--	254494	13432	267926
Jharsuguda	936593	931597	704704	2572894
TOTAL: ORISSA	1470116	2876349	1989780	6336245
UTTAR PRADESH				
Sonebhadra	--	1566043	954487	2520530
WEST BENGAL				
Bankura	151084	3744	70213	225041
Birbhum	1800	34200	10320	46320
Burdwan	11299714	1316713	5471865	18088292
Purulia	292666	--	159193	451859
TOTAL: WEST BENGAL	11745264	1354657	5711591	18811512
ALL INDIA : COAL	57679104	24372852	32479710	114531666
2. LIGNITE				
GUJARAT				
Bharuch	--	322658	61324	383982
Bhavanagar	--	30358	25759	56117
Bhavnagar	--	17415	2540	19955
Kutch	--	163924	66783	230707
Surat	--	169774	42157	211931
TOTAL: GUJARAT	--	704129	198563	902692
RAJASTHAN				
Barmer	--	38528	21973	60501
Bikaner	--	93908	2699	96607
Nagaur	--	3212	4575	7787
TOTAL: RAJASTHAN	--	135648	29247	164895
TAMILNADU				
Cuddalore	--	1957496	1617498	3574994
ALL INDIA : LIGNITE	--	2797273	1845308	4642581
ALL INDIA : ALL COAL	57679104	27170125	34325018	119174247

STATEMENT NO. 1.5

MANSHIFTS WORKED IN COAL MINES DURING THE YEAR, 2010 : OWNERWISE

OWNER	BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
BCCL	7177501	2929841	4529266	14636608
CCL	2540672	3534132	3747087	9821891
ECL	12467134	1391056	6640365	20498555
MCL	1470116	2835186	1928766	6234068
NCL	--	3426290	2159249	5585539
NEC	155711	268998	234105	658814
SECL	10358338	2023005	4637253	17018596
WCL	6237354	2163213	4315355	12715922
 CIL	 40406826	 18571721	 28191446	 87169993
JSMDC	--	31816	10857	42673
DVC	--	24332	32956	57288
GMDC	--	561383	164444	725827
IISCO	411247	174990	212733	798970
J&K Min.	149884	--	39688	189572
NLC	--	2051404	1620197	3671601
SCCL	14288927	4056817	3107814	21453558
TISCO	1684035	467449	239733	2391217
RSMDC	--	38528	21973	60501
PIL	--	56425	14640	71065
GIPCL	--	125331	31579	156910
GHCL	--	17415	2540	19955
JINDAL	--	267790	90890	358680
BENGALEMTA	--	169335	25364	194699
APMDTC	--	5060	107410	112470

STATEMENT NO. 1.5 (CONTD.)

OWNER	BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL
1	2	3	4	5
BLAI	--	28101	61215	89316
ICML	--	270275	101260	371535
INDAL	--	41163	61014	102177
MIL	436653	--	67280	503933
CTL	--	1800	22634	24434
RSMML	--	3212	4575	7787
JNL	180560	41785	24095	246440
RASL	--	109643	30386	140029
SISCL	83387	--	9471	92858
ELCALTD	37585	17331	6512	61428
WBMD&TCL	--	3744	8182	11926
UML	--	33275	14130	47405
ALL INDIA	57679104	27170125	34325018	119174247

STATEMENT NO. 1.6

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2010 BY AVERAGE DAILY EMPLOYMENT : OWNERWISE

OWNER	UPTO 50	51 TO 150	151 TO 250	251 TO 400	401 TO 500	501 TO 800	801 TO 1000	1001 TO 1200	1201 TO 1600	1601 TO 2000	2001 TO 2500	ABOVE 2500	TOTAL	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14
	BCCL	3	10	6	12	10	27	10	2	4	--	1	--	85
CCL	2	2	8	9	12	25	3	2	--	--	--	--	--	63
ECL	4	6	6	21	19	37	9	6	3	1	1	--	--	114
MCL	1	1	2	1	--	6	5	3	3	1	--	--	--	23
NCL	--	1	--	--	--	1	1	--	2	1	2	2	--	10
NEC	--	2	1	--	1	2	--	--	--	--	--	--	--	6
SECL	2	5	8	16	14	33	7	2	2	2	--	--	--	91
WCL	3	9	4	18	18	23	5	2	1	--	--	--	--	83
CIL	15	36	35	77	74	154	40	17	15	5	4	2	475	
JSMDC	--	1	--	--	--	--	--	--	--	--	--	--	1	
DVC	--	--	1	--	--	--	--	--	--	--	--	--	1	
GMDC	--	--	2	2	--	2	--	--	--	--	--	--	6	
IISCO	--	--	--	--	--	2	--	--	1	--	--	--	3	
J&K Min.	--	1	1	1	--	--	--	--	--	--	--	--	3	
NLC	--	2	--	--	--	--	--	--	--	--	--	2	4	
SCCL	1	--	2	4	2	12	14	12	10	5	2	2	66	
TISCO	--	--	1	1	--	1	1	2	3	--	--	--	9	

STATEMENT NO. 1.6 (CONTD.)

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
RSMDC	--	--	1	--	--	--	--	--	--	--	--	--	--	1
PIL	--	--	1	--	--	--	--	--	--	--	--	--	--	1
GIPCL	--	--	2	--	--	--	--	--	--	--	--	--	--	2
GHCL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
JINDAL	--	--	--	1	2	--	--	--	--	--	--	--	--	3
BENGALEMATA	--	1	--	--	1	--	--	--	--	--	--	--	--	2
APMDTC	--	--	--	--	1	--	--	--	--	--	--	--	--	1
BLAI	--	--	--	1	--	--	--	--	--	--	--	--	--	1
ICML	--	--	--	--	--	--	--	--	1	--	--	--	--	1
INDAL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
MIL	--	--	--	--	--	--	--	--	--	1	--	--	--	1
CTL	--	1	--	--	--	--	--	--	--	--	--	--	--	1
RSMML	1	--	--	--	--	--	--	--	--	--	--	--	--	1
JNL	--	--	--	--	--	--	1	--	--	--	--	--	--	1
RASL	--	1	--	1	--	--	--	--	--	--	--	--	--	2
SISCL	--	--	--	1	--	--	--	--	--	--	--	--	--	1
ELCALTD	--	--	1	--	--	--	--	--	--	--	--	--	--	1
WBMD&TCL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
UML	--	--	1	--	--	--	--	--	--	--	--	--	--	1
ALL INDIA	18	44	48	90	80	171	56	31	30	11	6	6	592	

STATEMENT No. 1.7
EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2010.

STATE/DISTRICT	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
1. COAL					
ANDHRA PRADESH					
Adilabad	23	23257	2801	1889	27947
Karimnagar	22	23949	6416	4179	34544
Khammam	14	5257	5376	5268	15901
Warangal	7	6140	838	472	7450
TOTAL: ANDHRA PRADESH	66	58603	15431	11808	85842
ARUNACHAL PRADESH					
Chaglong	1	--	26	560	586
ASSAM					
Tinsukia	6	601	1037	902	2540
CHATTISGARH					
Bilaspur	2	650	--	130	780
Raigarh	10	3021	1492	1222	5735
Surjuga	15	6356	1815	1721	9892
Korea	16	8121	92	2302	10515
Korba	16	5532	3329	5336	14197
TOTAL: CHATTISGARH	59	23680	6728	10711	41119
JHARKHAND					
Deoghar	2	--	744	867	1611
Dhanbad	99	39934	10900	20038	70872
Giridih	3	--	416	335	751
Godda	1	--	783	1212	1995
Hazaribagh	36	6071	6978	7807	20856
Palamau	3	--	354	303	657
Ranchi	6	392	1201	1532	3125
Sahebganj	1	--	45	20	65
Bokaro	22	4093	5261	4514	13868
Pankur	1	--	231	206	437
Chatra	3	511	1093	1010	2614
Latehar	1	--	126	39	165
TOTAL: JHARKHAND	178	51001	28132	37883	117016
JAMMU & KASHMIR					
Rajauri	2	490	--	130	620
Udhampur	1	120	--	34	154
TOTAL: JAMMU & KASHMIR	3	610	--	164	774
MADHYA PRADESH					
Betul	9	5716	--	1134	6850
Chhindwara	22	6876	462	2148	9486
Narsighpur	1	--	145	284	429
Shahdol	28	14180	2008	5982	22170
Sidhi	4	--	6316	4475	10791
Umaria	9	3831	92	1224	5147
Anuppur	2	638	108	177	923
Singrauli	1	--	452	215	667
TOTAL: MADHYA PRADESH	76	31241	9583	15639	56463

STATEMENT No. 1.7 (CONT.)

STATE/DISTRICT	NO. OF MINES	BELLOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
MAHARASHTRA					
Chandrapur	29	6025	3388	7850	17263
Nagpur	13	5139	1238	2897	9274
Yavatmal	12	990	3002	1900	5892
TOTAL: MAHARASHTRA	54	12154	7628	12647	32429
ORISSA					
Angul	11	2080	6805	4461	13346
Sambalpur	1	--	164	244	408
Sundergarh	1	--	836	58	894
Jharsuguda	11	3642	3149	2491	9282
TOTAL: ORISSA	24	5722	10954	7254	23930
UTTAR PRADESH					
Sonebhadra	5	--	5833	3533	9366
WEST BENGAL					
Bankura	2	557	19	266	842
Birbhum	2	7	100	44	151
Burdwan	99	42238	4939	20477	67654
Purulia	2	1154	--	629	1783
TOTAL: WEST BENGAL	105	43956	5058	21416	70430
ALL INDIA : COAL	577	227568	90410	122517	440495
2. LIGNITE					
GUJARAT					
Bharuch	2	--	1295	256	1551
Bhavanagar	1	--	103	88	191
Bhavnagar	1	--	93	15	108
Kutch	2	--	588	252	840
Surat	3	--	1020	317	1337
TOTAL: GUJARAT	9	--	3099	928	4027
RAJASTHAN					
Barmer	1	--	174	100	274
Bikaner	2	--	309	11	320
Nagaur	1	--	13	18	31
TOTAL: RAJASTHAN	4	--	496	129	625
TAMILNADU					
Cuddalore	2	--	7544	5755	13299
ALL INDIA : LIGNITE	15	--	11139	6812	17951
ALL INDIA :	592	227568	101549	129329	458446

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
1951	1.2	...	18.8	3.6	0.4	0.4	-	9.7	35.0	30,199	4,784	34,983
1956	1.6	...	20.4	4.9	0.4	0.6	-	11.4	39.9	35,125	4,786	39,911
1961	2.7	...	27.1	6.1	0.8	0.9	-	17.1	55.7	44,887	10,822	55,709
1966	4.1	...	31.1	9.8	1.2	1.1	2.5	19.7	70.4	57,000	13,387	70,387
1971	4.6	...	32.8	13.4	2.1	1.5	3.7	17.3	75.6	58,552	17,090	75,642
1976	7.9	...	42.4	20.1	3.6	2.1	3.9	24.0	104.6	76,199	28,440	104,639
1981	11.2	...	49.6	27.4	6.8	3.2	5.6	20.4	127.3	76,205	51,120	127,325
1986	16.2	...	56.7	44.2	11.9	6.9	7.8	19.7	170.2	75,027	95,132	170,159
1991	19.6	...	68.6	70.7	18.8	19.7	12.1	17.4	237.8	70,731	167,026	237,757
1992	20.8	...	70.4	73.9	20.5	22.9	12.8	17.3	249.9	71,062	178,879	249,941
1993	24.7	...	73.7	76.0	19.8	23.8	13.5	16.5	260.6	73,672	186,935	260,607
1994	24.7	...	73.8	77.0	20.3	26.4	13.7	16.7	267.5	70,644	196,878	267,522
1995	25.6	...	72.9	82.8	22.4	31.3	17.4	16.5	284.6	68,512	216,074	284,586
1996	29.1	...	78.6	85.7	23.5	36.2	17.7	17.3	304.1	70,127	233,970	304,097
1997	28.8	...	80.7	88.8	26.1	41.0	17.9	17.0	316.7	69,062	247,619	316,681
1998	27.8	...	77.4	90.3	25.8	44.8	18.1	19.2	319.9	68,571	251,324	319,895
1999	30.0	...	74.7	84.6	26.2	42.1	17.7	17.9	315.2	68,101	247,088	315,198
2000	29.5	50.5	77.8	39.4	29.4	45.7	17.6	19.2	334.3	66,225	268,092	334,317
2001	30.8	54.2	75.2	40.6	30.8	45.6	18.6	20.0	341.5	64,134	277,379	341,513
2002	34.0	56.4	81.8	42.5	31.9	51.2	17.7	19.5	363.3	65,330	297,981	363,311
2003	33.4	59.8	78.1	51.3	30.1	56.7	20.8	20.9	379.2	63,632	315,556	379,188
2004	34.5	68.5	78.2	55.2	33.1	66.6	20.8	21.6	409.3	61,921	347,347	409,268
2005	35.6	74.8	80.4	48.9	36.4	69.9	18.2	24.3	420.8	64,086	356,759	420,845
2006	39.6	80.5	79.9	50.0	36.8	68.0	19.3	22.0	430.3	61,213	369,120	430,333
2007	45.7	86.1	88.1	52.0	35.5	84.1	22.3	21.5	481.1	62,302	418,821	481,123
2008	48.3	93.7	98.8	60.6	37.1	86.3	20.4	22.4	506.3	66,290	440,004	506,294
2009	61.4	104.3	110.1	57.7	38.8	100.2	21.5	23.0	558.8	66,835	491,982	558,817
2010	74.9	121.0	114.5	59.3	39.3	104.0	22.2	21.7	601.9	69,998	531,880	601,878

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

STATEMENT NO. 1.9

RAISING, DESPATCH AND VALUE OF COAL DURING THE YEAR, 2010.

(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	23	1523	12128702	--	--	312	--	12055996	73917	17817719
Karimnagar	22	196466	29959117	4627898	--	56019	--	34509280	218182	40627532
Khammam	14	111722	30840591	--	--	--	--	30758413	193900	30788168
Warangal	7	264021	1924038	--	--	72	--	1693980	494007	2960144
TOTAL : ANDHRA PRADESH	66	573732	74852448	4627898	--	56403	--	79017669	980006	92193563
ARUNACHAL PRADESH										
Chaglong	1	21910	221928	--	--	--	--	232481	11357	275988
ASSAM										
Tinsukia	6	185103	1063972	20800	--	5371	15429	1024222	224853	1063972
CHATTISGARH										
Bilaspur	2	107120	237296	--	--	130	27376	288382	28528	416884
Raigarh	10	6270205	31156892	6046068	--	420	--	30206992	13265753	29348979
Surguja	15	400799	6664144	2053014	--	2162	2115617	5717894	1282283	9254873
Korea	16	307771	4242150	3463101	968	8883	2391517	5390584	221070	6024705
Korba	16	2503926	78757237	4769580	--	1055	3035868	79366204	3627616	69237708
TOTAL : CHATTISGARH	59	9589821	121057719	16331763	968	12650	7570378	120970056	18425250	114283149
JHARKHAND										
Deoghar	2	148719	1378789	605863	--	2795	605863	1468847	55866	1631864
Dhanbad	99	10491400	36552158	3392591	3409	128013	4541588	32324584	13438555	41510711
Giridih	3	112914	624456	138612	--	240	138612	641115	96015	624456
Godda	1	345208	11206890	--	--	5255	--	11336713	210130	17931020
Hazaribagh	36	4340363	18343824	1590904	--	3901	964153	18838478	4468559	18498923
Palamu	3	148420	673296	--	--	--	--	601214	220502	673296
Ranchi	6	2067560	6172921	3179456	--	--	415000	8121329	2883608	6332346
Sahebganj	1	54882	281701	--	--	88	--	171376	165119	281701
Bokaro	22	3506805	12723309	1765239	--	5944	2063899	9217781	6707729	13218647
Pakur	1	131081	7846158	--	--	--	--	7974657	2582	7846158
Chatra	3	3515029	18280967	--	--	96	9579526	9387527	2828847	18280967
Latehar	1	231	442644	--	--	--	--	442874	1	208042
TOTAL : JHARKHAND	178	24862612	114527113	10672665	3409	146332	18308641	100526495	31077513	127038131

STATEMENT NO. 1.9 (CONTD.)

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
JAMMU & KASHMIR										
Rajauri	2	2290	16794	--	--	72	--	16359	2653	16794
Udhampur	1	1248	3086	--	--	48	--	2600	1686	3086
TOTAL : JAMMU & KASHMIR	3	3538	19880	--	--	120	--	18959	4339	19880
MADHYA PRADESH										
Betul	9	44312	3148555	--	--	427	--	3144862	47578	3771909
Chhindwara	22	219176	3582514	989539	300	4214	541178	4066973	178564	4890892
Narsigpur	1	2520	304144	--	--	360	16307	252971	37026	435534
Shahdol	28	537487	11908164	4738256	--	5161	4570971	12082826	524949	13727537
Sidhi	4	727316	34458000	--	--	--	660846	32923876	1600594	26043298
Umaria	9	96950	1907610	1394277	--	550	1244728	2119203	34356	2455342
Anuppur	2	17854	674850	--	--	180	637006	30742	24776	972567
Singrauli	1	135502	3354000	--	--	--	--	3415719	73783	5213088
TOTAL : MADHYA PRADESH	76	1781117	59337837	7122072	300	10892	7671036	58037172	2521626	57510167
MAHARASHTRA										
Chandrapur	29	902661	18588036	4635342	--	60000	2618142	20459548	988349	21350292
Nagpur	13	624851	7682915	2799751	--	950	1545517	8780807	780243	9507347
Yavatmal	12	735134	13022348	63036	--	154	--	11241580	2578784	13022348
TOTAL : MAHARASHTRA	54	2262646	39293299	7498129	--	61104	4163659	40481935	4347376	43879987
ORISSA										
Angul	11	7280636	57172957	10578572	--	4679	3046423	64919151	7061912	40058924
Sambalpur	1	59408	2316500	--	--	--	--	2304744	71164	1005361
Sundergarh	1	1872851	7044007	1877794	--	--	--	8592720	2201932	7044007
Jharsuguda	11	2684211	37494656	5796511	--	720	5707270	36083421	4183967	27229439
TOTAL : ORISSA	24	11897106	104028120	18252877	--	5399	8753693	111900036	13518975	75337731
UTTAR PRADESH										
Sonebhadra	5	503499	28405000	660846	--	--	3694200	25369319	505826	25932632
WEST BENGAL										
Bankura	2	13843	115618	--	--	--	1424	90466	37571	323961
Birbhum	2	8122	73162	--	--	76	--	43694	37514	68170
Burdwan	99	2227514	21356235	3936448	875	360693	3223300	21525184	2410145	28213134
Purulia	2	6466	192319	87040	--	4855	61049	210314	9607	286557

STATEMENT NO. 1.9 (CONTD.)

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
TOTAL : WEST BENGAL	105	2255945	21737334	4023488	875	365624	3285773	21869658	2494837	28891822
ALL INDIA : COAL	577	53937029	564544650	69210538	5552	663895	53462809	559448002	74111958	566427022
2. LIGNITE										
GUJARAT										
Bharuch	2	--	2583708	--	--	--	--	1291854	1291854	3599228
Bhavanagar	2	1690	986200	--	--	--	--	953103	34787	1109729
Kutch	2	--	6272042	--	--	--	--	6272042	--	5254904
Surat	3	102208	3769117	--	--	--	--	3739766	131559	3891571
TOTAL : GUJARAT	9	103898	13611067	--	--	--	--	12256765	1458200	13855432
RAJASTHAN										
Barmer	1	--	1026071	--	--	--	--	1026071	--	457700
Bikaner	2	13110	444206	--	--	--	--	454064	3252	360070
Nagaur	1	--	25997	--	--	--	--	25997	--	25997
TOTAL : RAJASTHAN	4	13110	1496274	--	--	--	--	1506132	3252	843767
TAMILNADU										
Cuddalore	2	294835	22226455	63259	--	11000000	63260	11029482	289846	37230398
ALL INDIA : LIGNITE	15	411843	37333796	63259	--	11000000	63260	24792379	1751298	51929597
ALL INDIA : All COAL	592	54348872	601878446	69273797	5552	11663895	53526069	584240381	75863256	618356619

* : 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, 2010 - OWNERWISE

(IN TONNES)

OWNER	NUMBER OF	OPENING STOCK	RAISING	RECEIPT/ SURPLUS/ DESPATCH	COAL USED FOR COKE MAKING	COLLIERY CONSUMP- TION	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	85	10512661	33416703	3391233	3409	119190	4539773	29257011	13401214	37616642
CCL	63	13378214	47417091	6674175	--	8845	13161190	37402918	16896527	48335315
ECL	114	2790279	36857337	4630745	875	382030	3893429	37396161	2605866	51928933
MCL	23	11837698	101711620	18252877	--	5399	8753693	109595292	13447811	74332370
NCL	10	1366317	66217000	660846	--	--	4355046	61708914	2180203	57189018
NEC	6	185103	1063972	20800	--	5371	15429	1024222	224853	1063972
SECL	91	4341488	108742644	16418228	968	18121	14023083	109450678	6009509	104632896
WCL	83	2399921	43548165	8487668	300	65745	4704837	45317204	4347668	50066585
CIL	475	46811681	438974532	58536572	5552	604701	53446480	431152400	59113651	425665731
JSMDC	1	231	442644	--	--	--	--	442874	1	208042
DVC	1	2555	193142	--	--	493	--	172625	22579	193142
GMDC	6	--	10955740	--	--	--	--	9663886	1291854	11486255
IISCO	3	16009	1237079	--	--	978	22	1243830	8258	1237079
J&K Min.	3	3538	19880	--	--	120	--	18959	4339	19880
NLC	4	307945	22670661	63259	--	11000000	63260	11483546	293098	37590468
SCCL	66	573732	74852448	4627898	--	56403	--	79017669	980006	92193563
TISCO	9	7302	10165359	--	--	420	--	10167476	4765	10017440
RSMDC	1	--	1026071	--	--	--	--	1026071	--	457700
PIL	1	29	999152	--	--	--	--	999176	5	999152
GIPCL	2	102208	2315826	--	--	--	--	2286475	131559	1984138
GHCL	1	1690	339501	--	--	--	--	306404	34787	385039
JINDAL	3	5807191	23994835	6046068	--	--	--	22888061	12960033	23994835
BENGALEMATA	2	9410	3042054	--	--	--	--	3007507	43957	3637406
APMDTC	1	21910	221928	--	--	--	--	232481	11357	275988
BLAI	1	2520	304144	--	--	360	16307	252971	37026	435534
ICML	1	363795	3172008	--	--	--	--	3030744	505059	1934925
INDAL	1	59408	2316500	--	--	--	--	2304744	71164	1005361
MIL	1	4103	978395	--	--	300	--	967362	14836	978395
CTL	1	19700	--	--	--	--	--	--	19700	--
RSMML	1	--	25997	--	--	--	--	25997	--	25997
JNL	1	66215	409964	--	--	120	--	474837	1222	409964
RASL	2	141768	2769456	--	--	--	--	2695790	215434	2769456
SISCL	1	7531	130100	--	--	--	--	103489	34142	130100
ELCALTD	1	18401	37129	--	--	--	--	25842	29688	37128
WBMD&TCL	1	--	--	--	--	--	--	--	--	--
UML	1	--	283901	--	--	--	--	249165	34736	283901
ALL INDIA : ALL COAL	592	54348872	601878446	69273797	5552	11663895	53526069	584240381	75863256	618356619

STATEMENT NO. 1.11

**PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2010
(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	5120479	419127	--	4701352	--	3256552	1863927	--	--
Karimnagar	14434560	847502	1958284	11628774	--	8512447	5342207	--	579906
Khammam	1618564	--	--	1618564	--	675138	846883	--	96543
Warangal	1311028	--	--	1311028	--	1118318	192710	--	--
TOTAL : ANDHRA PRADESH	22484631	1266629	1958284	19259718	--	13562455	8245727	--	676449
ASSAM									
Tinsukia	516	--	--	516	--	516	--	--	--
CHATTISGARH									
Bilaspur	237296	--	--	237296	--	237296	--	--	--
Raigarh	1537885	--	--	1537885	--	1453927	83958	--	--
Surguja	3374672	555245	--	2819427	--	1892519	1482153	--	--
Korea	4144806	--	532649	3612157	--	3122918	1021888	--	--
Korba	2346711	--	94930	2251781	--	2028060	318651	--	--
TOTAL : CHATTISGARH	11641370	555245	627579	10458546	--	8734720	2906650	--	--
JHARKHAND									
Dhanbad	7615588	98623	199986	6740739	576240	5898576	1079055	339348	298609
Hazaribagh	815519	--	--	815519	--	703830	111689	--	--
Ranchi	86588	--	--	86588	--	86588	--	--	--
Bokaro	450022	--	--	450022	--	306149	143873	--	--
Pakur	--	--	--	--	--	--	--	--	--
Chatra	69325	--	--	69325	--	--	69325	--	--
Latehar	--	--	--	--	--	--	--	--	--
TOTAL : JHARKHAND	9037042	98623	199986	8162193	576240	6995143	1403942	339348	298609

STATEMENT NO. 1.11 (CONTD.)

STATE/DISTRICT	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T I O N				M E T H O D O F W O R K			
		FULLY MECHA- NISED	SEMI MECHA- NISED	MANUAL		BOARD & PILLAR		LONGWALL	
		SOLID BLAST- ING	OTHERS	DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS CAVING/	FINAL STOWING	OPERATION	
1	2	3	4	5	6	7	8	9	10
JAMMU & KASHMIR									
Rajauri	16794	--	--	16794	--	16794	--	--	--
Udhampur	3086	--	--	3086	--	3086	--	--	--
TOTAL : JAMMU & KASHMIR	19880	--	--	19880	--	19880	--	--	--
MADHYA PRADESH									
Betul	3148555	--	--	3148555	--	1361741	1786814	--	--
Chhindwara	2552934	--	662500	1890434	--	1207750	1345184	--	--
Shahdol	5537633	366445	286100	4658378	226710	4460959	1076674	--	--
Sidhi	--	--	--	--	--	--	--	--	--
Umaria	1107230	--	--	962560	144670	477656	629574	--	--
Anuppur	308250	--	--	308250	--	308250	--	--	--
TOTAL : MADHYA PRADESH	12654602	366445	948600	10968177	371380	7816356	4838246	--	--
MAHARASHTRA									
Chandrapur	1691882	--	--	1691882	--	947230	744652	--	--
Nagpur	1738925	--	--	1738925	--	1190116	548809	--	--
Yavatmal	382271	--	--	382271	--	382271	--	--	--
TOTAL : MAHARASHTRA	3813078	--	--	3813078	--	2519617	1293461	--	--
ORISSA									
Angul	448597	--	--	448597	--	347765	100832	--	--
Sundergarh	--	--	--	--	--	--	--	--	--
Jharsuguda	2025645	--	--	2025645	--	2025645	--	--	--
TOTAL : ORISSA	2474242	--	--	2474242	--	2373410	100832	--	--

STATEMENT NO. 1.11 (CONTD.)

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		
UTTAR PRADESH											
Sonebhadra	--	--	--	--	--	--	--	--	--	--	
WEST BENGAL											
Bankura	115618	--	115618	--	--	55791	59827	--	--		
Burdwan	7565075	1562495	278520	4333088	1390972	4349615	2684414	43701	487345		
Purulia	192319	--	--	192319	--	140396	51923	--	--		
TOTAL : WEST BENGAL	7873012	1562495	394138	4525407	1390972	4545802	2796164	43701	487345		
GUJARAT											
Bharuch	--	--	--	--	--	--	--	--	--		
Bhavanagar	--	--	--	--	--	--	--	--	--		
Kutch	--	--	--	--	--	--	--	--	--		
Surat	--	--	--	--	--	--	--	--	--		
TOTAL : GUJARAT	--	--	--	--	--	--	--	--	--		
RAJASTHAN											
Barmer	--	--	--	--	--	--	--	--	--		
TAMILNADU											
Cuddalore	--	--	--	--	--	--	--	--	--		
ALL INDIA : COAL :	69998373	3849437	4128587	59681757	2338592	46567899	21585022	383049	1462403		

STATEMENT NO. 1.12

PRODUCTION OF COAL FROM BELOWGROUND WORKINGS BY MECHANISATION AND METHOD OF WORK DURING THE YEAR, 2010.

(IN TONNES)

OWNER	TOTAL BELOW- GROUND OUTPUT	M E C H A N I S A T T I O N				M E T H O D O F W O R K				
	FULLY MECHA- NISED	SEMI MECHA- NISED	SOLID	MANUAL OTHERS		BOARD & PILLAR			LONGWALL	
			BLAST- ING			DEVELO- PMENT	DEPILL- ARING,	SPLITT- ING AS CAVING/ FINAL STOWING		
1	2	3	4	5	6	7	8	9	10	
BCCL	5353629	--	199986	4577403	576240	4327440	826203	--	199986	
CCL	1326609	--	--	1326609	--	1001722	324887	--	--	
ECL	8159440	1562495	394138	4923599	1279208	4894412	2733982	43701	487345	
MCL	2474242	--	--	2474242	--	2373410	100832	--	--	
NCL	--	--	--	--	--	--	--	--	--	
NEC	516	--	--	516	--	516	--	--	--	
SECL	17337078	921690	913679	15130329	371380	12724180	4612898	--	--	
WCL	9384467	--	662500	8721967	--	4959008	4425459	--	--	
 CIL	 44035981	 2484185	 2170303	 37154665	 2226828	 30280688	 13024261	 43701	 687331	
JSMDC	--	--	--	--	--	--	--	--	--	
GMDC	--	--	--	--	--	--	--	--	--	
IISCO	392424	98623	--	182037	111764	182037	111764	--	98623	
J&K Min.	19880	--	--	19880	--	19880	--	--	--	
NLC	--	--	--	--	--	--	--	--	--	
SCCL	22484631	1266629	1958284	19259718	--	13562455	8245727	--	676449	
TISCO	1640823	--	--	1640823	--	1098205	203270	339348	--	
RSMDC	--	--	--	--	--	--	--	--	--	
BECML	--	--	--	--	--	--	--	--	--	
ICML	--	--	--	--	--	--	--	--	--	
MIL	978395	--	--	978395	--	978395	--	--	--	
JNL	279010	--	--	279010	--	279010	--	--	--	
RASL	--	--	--	--	--	--	--	--	--	
SISCL	130100	--	--	130100	--	130100	--	--	--	
ELCALTD	37129	--	--	37129	--	37129	--	--	--	
WBMD&TCL	--	--	--	--	--	--	--	--	--	
 ALL INDIA : COAL	 69998373	 3849437	 4128587	 59681757	 2338592	 46567899	 21585022	 383049	 1462403	

STATEMENT NO. 1.13

PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION AND OVERBURDEN REMOVED DURING THE YEAR, 2010

(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	7008223	7008223	--	--	55581
Karimnagar	15524557	15524557	--	--	98983
Khammam	29222027	29222027	--	--	109360
Warangal	613010	613010	--	--	--
TOTAL : ANDHRA PRADESH	52367817	52367817	--	--	263924
ARUNACHAL PRADESH					
Chaglong	221928	221928	--	--	2169
ASSAM					
Tinsukia	1063456	1063456	--	--	10587
CHATTISGARH					
Raigarh	29619007	29619007	--	--	20115
Surguja	3289472	3289472	--	--	10003
Korea	97344	97344	--	--	--
Korba	76410526	76410526	--	--	61044
TOTAL : CHATTISGARH	109416349	109416349	--	--	91162

STATEMENT NO. 1.13 (CONTD.)

(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
JHARKHAND					
Deoghar	1378789	1378789	--	--	2225
Dhanbad	28936570	28936570	--	--	55994
Giridih	624456	624456	--	--	1583
Godda	11206890	11206890	--	--	--
Hazaribagh	17528305	17528305	--	--	19221
Palamau	673296	673296	--	--	2663
Ranchi	6086333	6086333	--	--	8170
Sahebganj	281701	281701	--	--	--
Bokaro	12273287	12273287	--	--	9767
Pakur	7846158	7846158	--	--	--
Chatra	18211642	18211642	--	--	125310
Latehar	442644	442644	--	--	--
TOTAL : JHARKHAND	105490071	105490071	--	--	224933
MADHYA PRADESH					
Betul	--	--	--	--	--
Chhindwara	1029580	1029580	--	--	12288
Narsigpur	304144	304144	--	--	1273
Shahdol	6370531	6370531	--	--	25926
Sidhi	34458000	34458000	--	--	79894
Umaria	800380	800380	--	--	3700
Anuppur	366600	366600	--	--	663
Singrauli	3354000	3354000	--	--	11610
TOTAL : MADHYA PRADESH	46683235	46683235	--	--	135354

STATEMENT NO. 1.13 (CONTD.)

(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
MAHARASHTRA					
Chandrapur	16896154	16896154	--	--	39975
Nagpur	5943990	5943990	--	--	22563
Yavatmal	12640077	12640077	--	--	20451
TOTAL : MAHARASHTRA	35480221	35480221	--	--	82989
ORISSA					
Angul	56724360	56724360	--	--	19599
Sambalpur	2316500	2316500	--	--	676
Sundergarh	7044007	7044007	--	--	2517
Jharsuguda	35469011	35469011	--	--	42296
TOTAL : ORISSA	101553878	101553878	--	--	65088
UTTAR PRADESH					
Sonebhadra	28405000	28405000	--	--	80784
WEST BENGAL					
Bankura	--	--	--	--	31
Birbhum	73162	73162	--	--	564
Burdwan	13791160	13791160	--	--	29113
TOTAL : WEST BENGAL	13864322	13864322	--	--	29708
ALL INDIA : COAL	494546277	494546277	--	--	986698

STATEMENT NO. 1.13 (CONTD.)

(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
2. LIGNITE					
GUJARAT					
Bharuch	2583708	2583708	--	--	112
Bhavanagar	986200	986200	--	--	5692
Kutch	6272042	6272042	--	--	16350
Surat	3769117	3769117	--	--	34724
TOTAL : GUJARAT	13611067	13611067	--	--	56878
RAJASTHAN					
Barmer	1026071	1026071	--	--	11061
Bikaner	444206	444206	--	--	--
Nagaur	25997	25997	--	--	157
TOTAL : RAJASTHAN	1496274	1496274	--	--	11218
TAMILNADU					
Cuddalore	22226455	22226455	--	--	152693
ALL INDIA : LIGNITE	37333796	37333796	--	--	220789
ALL INDIA : ALL COAL	531880073	531880073	0	0	1207487

STATEMENT NO. 1.14
PRODUCTION OF COAL FROM OPENCAST WORKINGS BY MECHANISATION AND OVERBURDEN REMOVED DURING THE YEAR, 2010
(IN TONNES)

OWNER	TOTAL OPENCAST OUTPUT	M E C H A N I S A T I O N			OVERBURDEN REMOVED (IN '000 CUBIC METRES)
		FULLY MECHANISED	SEMI MECHANISED	MANUAL	
1	2	3	4	5	6
BCCL	28063074	28063074	--	--	51382
CCL	46090482	46090482	--	--	163509
ECL	28697897	28697897	--	--	12879
MCL	99237378	99237378	--	--	64412
NCL	66217000	66217000	--	--	172288
NEC	1063456	1063456	--	--	10587
SECL	91405566	91405566	--	--	106611
WCL	34163698	34163698	--	--	95277
 CIL	 394938551	 394938551	--	--	 676945
JSMDC	442644	442644	--	--	--
DVC	193142	193142	--	--	623
GMDC	10955740	10955740	--	--	22154
IISCO	844655	844655	--	--	5102
J&K Min.	--	--	--	--	--
NLC	22670661	22670661	--	--	152693
SCCL	52367817	52367817	--	--	263924
TISCO	8524536	8524536	--	--	--
RSMDC	1026071	1026071	--	--	11061
PIL	999152	999152	--	--	--
GIPCL	2315826	2315826	--	--	34724
GHCL	339501	339501	--	--	--
JINDAL	17916715	17916715	--	--	10791
BENGALEMTA	3042054	3042054	--	--	10755

STATEMENT NO. 1.14 (CONTD.)

(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
APMDTC	221928	221928	--	--	2169
BLAI	304144	304144	--	--	1273
ICML	3172008	3172008	--	--	7778
INDAL	2316500	2316500	--	--	676
RSMML	25997	25997	--	--	157
JNL	130954	130954	--	--	1453
RASL	2769456	2769456	--	--	--
SISCL	6078120	6078120	--	--	2596
ELCALTD	--	--	--	--	--
WBMD&TCL	--	--	--	--	31
UML	283901	283901	--	--	2582
ALL INDIA : All COAL	531880073	531880073	0	0	1207487

STATEMENT NO. 1.15

CLASSIFICATION OF COAL MINES DURING THE YEAR, 2010 BY SIZE OF OVERALL OUTPUT : OWNERWISE

OWNER	NIL	OUTPUT IN TONNES												TOTAL
		1	2	3	4	5	6	7	8	9	10	11	12	13
		TO 7200	TO 30000	TO 60000	TO 84000	TO 120000	TO 180000	TO 240000	TO 300000	TO 600000	TO 1000000	TO 1500000	AND ABOVE	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
BCCL	16	1	4	14	4	8	5	5	2	8	4	9	5	85
CCL	5	--	4	8	6	3	3	3	1	13	7	3	7	63
ECL	10	1	15	22	13	18	13	6	7	1	5	--	3	114
MCL	1	--	1	--	--	--	1	2	--	5	1	--	12	23
NCL	--	--	--	--	--	--	--	--	--	--	--	--	10	10
NEC	2	1	--	--	--	1	--	--	--	2	--	--	--	6
SECL	3	--	1	2	5	7	14	10	9	20	10	3	7	91
WCL	6	--	--	6	3	7	6	10	3	19	8	7	8	83
CIL	43	3	25	52	31	44	42	36	22	68	35	22	52	475
JSMDC	--	--	--	--	--	--	--	--	--	1	--	--	--	1
DVC	--	--	--	--	--	--	--	1	--	--	--	--	--	1
GMDC	--	--	--	--	--	--	--	--	--	1	3	2	6	
IISCO	--	--	--	--	--	1	--	--	1	--	1	--	--	3
J&K Min.	--	2	1	--	--	--	--	--	--	--	--	--	--	3
NLC	--	--	--	--	--	--	--	2	--	--	--	--	2	4
SCCL	--	2	1	--	--	2	5	8	7	20	5	--	16	66
TISCO	--	--	--	1	--	--	--	--	1	4	--	--	3	9
RSMDC	--	--	--	--	--	--	--	--	--	--	--	1	--	1
PIL	--	--	--	--	--	--	--	--	--	1	--	--	--	1
GIPCL	--	--	--	--	--	--	--	--	--	1	--	--	1	2
GHCL	--	--	--	--	--	--	--	--	--	1	--	--	--	1
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--	3	3
BENGALLEMATA	--	--	--	1	--	--	--	--	--	--	--	--	1	2
APMDTC	--	--	--	--	--	--	--	1	--	--	--	--	--	1
BLAI	--	--	--	--	--	--	--	--	--	1	--	--	--	1
ICML	--	--	--	--	--	--	--	--	--	--	--	--	1	1
INDAL	--	--	--	--	--	--	--	--	--	--	--	--	1	1
MIL	--	--	--	--	--	--	--	--	--	--	1	--	--	1
CTL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
RSMML	--	--	1	--	--	--	--	--	--	--	--	--	--	1
JNL	--	--	--	--	--	--	--	--	--	1	--	--	--	1
RASL	--	--	--	--	--	--	--	--	--	1	--	--	1	2
SISCL	--	--	--	--	--	--	1	--	--	--	--	--	--	1
ELCALTD	--	--	--	1	--	--	--	--	--	--	--	--	--	1
WBMD&TCL	1	--	--	--	--	--	--	--	--	--	--	--	--	1
UML	--	--	--	--	--	--	--	--	1	--	--	--	--	1
ALL INDIA	45	7	28	54	32	47	48	48	32	98	44	26	83	592

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, 2010.

STATE/DISTRICT	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
ANDHRA PRADESH									
Adilabad	B	18	18759	--	1468	20227	5120479	--	5120479
	O	5	--	2237	56	2293	--	7008223	7008223
Karimnagar	B	17	19395	--	1594	20989	14434560	--	14434560
	O	5	--	5300	1802	7102	--	15524557	15524557
Khammam	B	7	4313	--	655	4968	1618564	--	1618564
	O	7	--	4394	3797	8191	--	29222027	29222027
Warangal	B	5	4850	--	372	5222	1311028	--	1311028
	O	1	--	410	4	414	--	610009	610009
	BO	1	18	289	2	309	--	3001	3001
TOTAL : ANDHRA PRADESH	B	47	47317	--	4089	51406	22484631	--	22484631
	O	18	--	12341	5659	18000	--	52364816	52364816
	BO	1	18	289	2	309	--	3001	3001
ARUNACHAL PRADESH									
Chaglong	O	1	--	18	390	408	--	221928	221928
ASSAM									
Tinsukia	B	3	500	--	409	909	516	--	516
	O	3	--	864	343	1207	--	1063456	1063456
CHATTISGARH									
Bilaspur	B	2	549	--	109	658	237296	--	237296
Raigarh	B	3	1980	--	300	2280	1258875	--	1258875
	O	6	--	1118	613	1731	--	29488053	29488053
	BO	1	592	137	79	808	279010	130954	409964
Surguja	B	9	3912	--	608	4520	2894692	--	2894692
	O	5	--	1120	504	1624	--	2569501	2569501
	BO	1	583	357	229	1169	479980	719971	1199951
Korea	B	15	6369	--	1772	8141	4144806	--	4144806
	O	1	--	77	171	248	--	97344	97344
Korba	B	10	3750	--	573	4323	2346711	--	2346711
	O	6	--	2585	3487	6072	--	76410526	76410526
TOTAL : CHATTISGARH	B	39	16560	--	3362	19922	10882380	--	10882380
	O	18	--	4900	4775	9675	--	108565424	108565424
	BO	2	1175	494	308	1977	758990	850925	1609915

STATEMENT NO. 1.16 (CONTD.)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T				OUTPUT (IN TONNES)		
			BELOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
GUJARAT									
Bharuch	O	2	--	1080	213	1293	--	2583708	2583708
Bhavanagar	O	2	--	135	81	216	--	986200	986200
Kutch	O	2	--	490	210	700	--	6272042	6272042
Surat	O	3	--	498	123	621	--	3769117	3769117
TOTAL : GUJARAT	O	9	--	2203	627	2830	--	13611067	13611067
JHARKHAND									
Deoghar	O	2	--	620	723	1343	--	1378789	1378789
Dhanbad	B	63	26910	--	8893	35803	6445178	12251	6457429
	O	21	--	5268	3778	9046	--	19693818	19693818
	BO	15	5365	3664	3843	12872	1170410	9230501	10400911
Giridih	O	3	--	359	288	647	--	624456	624456
Godda	O	1	--	658	1021	1679	--	11206890	11206890
Hazaribagh	B	15	5054	--	1461	6515	815519	--	815519
	O	21	--	5811	4994	10805	--	17528305	17528305
Palamau	O	3	--	295	252	547	--	673296	673296
Ranchi	B	1	326	--	139	465	86588	--	86588
	O	5	--	978	1120	2098	--	6086333	6086333
Sahebganj	O	1	--	37	17	54	--	281701	281701
Bokaro	B	7	2018	--	664	2682	273722	--	273722
	O	10	--	3151	1995	5146	--	9241921	9241921
	BO	5	1179	1400	648	3227	176300	3031366	3207666
Pakur	O	1	--	165	147	312	--	7846158	7846158
Chatra	B	1	426	--	164	590	69325	--	69325
	O	2	--	851	712	1563	--	18211642	18211642
Latehar	O	1	--	105	33	138	--	442644	442644
TOTAL : JHARKHAND	B	87	34734	--	11321	46055	7690332	12251	7702583
	O	71	--	18298	15080	33378	--	93215953	93215953
	BO	20	6544	5064	4491	16099	1346710	12261867	13608577

STATEMENT NO. 1.16 (CONTD.)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T				OUTPUT (IN TONNES)		
			B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	B E L O W G R O U N D	O P E N C A S T	T O T A L
1	2	3	4	5	6	7	8	9	10
JAMMU & KASHMIR									
Rajauri	B	2	391	--	102	493	16794	--	16794
Udhampur	B	1	100	--	28	128	3086	--	3086
TOTAL : JAMMU & KASHMIR	B	3	491	--	130	621	19880	--	19880
MADHYA PRADESH									
Betul	B	9	3977	--	801	4778	3148555	--	3148555
Chhindwara	B	15	4576	--	1270	5846	2092524	--	2092524
	O	5	--	312	93	405	--	826680	826680
	BO	2	836	61	333	1230	460410	202900	663310
Narsigpur	O	1	--	121	237	358	--	304144	304144
Shahdol	B	21	11017	--	2908	13925	5537633	--	5537633
	O	7	--	1456	1892	3348	--	6370531	6370531
Sidhi	O	4	--	5166	3563	8729	--	34458000	34458000
Umaria	B	8	2862	--	918	3780	1107230	--	1107230
	O	1	--	77	39	116	--	800380	800380
Anuppur	B	1	532	--	131	663	308250	--	308250
	O	1	--	90	17	107	--	366600	366600
Singrauli	O	1	--	377	179	556	--	3354000	3354000
TOTAL : MADHYA PRADESH	B	54	22964	--	6028	28992	12194192	--	12194192
	O	20	--	7599	6020	13619	--	46480335	46480335
	BO	2	836	61	333	1230	460410	202900	663310

STATEMENT NO. 1.16 (CONTD.)

STATE/DISTRICT	TYPE OF MINE	NUMBER OF MINES	E M P L O Y M E N T				OUTPUT (IN TONNES)		
			B E L O W G R O U N D	O P E N C A S T	A B O V E G R O U N D	T O T A L	B E L O W G R O U N D	O P E N C A S T	T O T A L
1	2	3	4	5	6	7	8	9	10
MAHARASHTRA									
Chandrapur	B	12	4817	--	1778	6595	1691882	--	1691882
	O	17	--	2773	4639	7412	--	16896154	16896154
Nagpur	B	8	4216	--	891	5107	1738925	--	1738925
	O	5	--	1005	1416	2421	--	5943990	5943990
Yavatmal	B	2	721	--	204	925	382271	--	382271
	O	10	--	2510	1386	3896	--	12640077	12640077
TOTAL : MAHARASHTRA	B	22	9754	--	2873	12627	3813078	--	3813078
	O	32	--	6288	7441	13729	--	35480221	35480221
ORISSA									
Angul	B	3	1549	--	433	1982	448597	--	448597
	O	8	--	5014	3173	8187	--	56724360	56724360
Sambalpur	O	1	--	138	203	341	--	2316500	2316500
Sundergarh	O	1	--	697	37	734	--	7044007	7044007
Jharsuguda	B	6	2961	--	752	3713	2025645	--	2025645
	O	5	--	2624	1325	3949	--	35469011	35469011
TOTAL : ORISSA	B	9	4510	--	1185	5695	2474242	--	2474242
	O	15	--	8473	4738	13211	--	101553878	101553878
RAJASTHAN									
Barmer	O	1	--	128	73	201	--	1026071	1026071
Bikaner	O	2	--	258	8	266	--	444206	444206
Nagaur	O	1	--	11	15	26	--	25997	25997
TOTAL : RAJASTHAN	O	4	--	397	96	493	--	1496274	1496274
TAMILNADU									
Cuddalore	O	2	--	6287	4796	11083	--	22226455	22226455
UTTAR PRADESH	O	5	--	4879	2945	7824	--	28405000	28405000

STATEMENT NO. 1.16 (CONTD.)

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
WEST BENGAL									
Bankura	B	1	464	--	193	657	115618	--	115618
	O	1	--	12	26	38	--	--	--
Birbhum	B	1	6	--	26	32	--	--	--
	O	1	--	95	7	102	--	73162	73162
Burdwan	B	77	32391	--	13371	45762	6779732	--	6779732
	O	16	--	3252	2291	5543	--	12540485	12540485
	BO	6	2939	859	1423	5221	785343	1250675	2036018
Purulia	B	2	959	--	524	1483	192319	--	192319
TOTAL : WEST BENGAL									
	B	81	33820	--	14114	47934	7087669	--	7087669
	O	18	--	3359	2324	5683	--	12613647	12613647
	BO	6	2939	859	1423	5221	785343	1250675	2036018
ALL INDIA : ALL COAL									
	B	345	170650	--	43511	214161	66646920	--	66659171
	O	216	--	75906	55234	131140	--	517298454	517298454
	BO	31	11512	6767	6557	24836	3351453	14569368	17920821
ALL INDIA :	ALL	592	182162	82673	105302	370137	69998373	531880073	601878446

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, 2010 : OWNERWISE

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
BCCL	B	52	18770	--	7305	26075	4335462	12251	4347713
	O	20	--	5140	3544	8684	--	19424238	19424238
	BO	13	4832	3502	3385	11719	1018167	8626585	9644752
CCL	B	23	7717	--	2318	10035	1245154	--	1245154
	O	37	--	9799	8811	18610	--	43364374	43364374
	BO	3	513	1101	477	2091	81455	2726108	2807563
ECL	B	87	36074	--	15167	51241	7457939	--	7457939
	O	20	--	3596	4037	7633	--	27382703	27382703
	BO	7	3040	689	1596	5325	701501	1315194	2016695
MCL	B	9	4510	--	1185	5695	2474242	--	2474242
	O	14	--	8335	4535	12870	--	99237378	99237378
NCL	O	10	--	10422	6687	17109	--	66217000	66217000
NEC	B	3	500	--	409	909	516	--	516
	O	3	--	864	343	1207	--	1063456	1063456
SECL	B	68	29540	--	7098	36638	16857098	--	16857098
	O	10	--	1708	3126	4834	--	35883215	35883215
	BO	1	583	357	229	1169	479980	719971	1199951
SEML	O	1	--	90	17	107	--	366600	366600
SECL	O	11	--	3581	3214	6795	--	54435780	54435780
WCL	B	45	18079	--	4918	22997	8924057	--	8924057
	O	36	--	6321	7454	13775	--	33960798	33960798
	BO	2	836	61	333	1230	460410	202900	663310
CIL	B	287	115190	--	38400	153590	41294468	12251	41306719
	O	162	--	49856	41768	91624	--	381335542	381335542
	BO	26	9804	5710	6020	21534	2741513	13590758	16332271

STATEMENT NO. 1.17 (CONTD.)

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
JSMDC	O	1	--	105	33	138	--	442644	442644
DVC	O	1	--	79	107	186	--	193142	193142
GMDC	O	6	--	1804	531	2335	--	10955740	10955740
IISCO	B	1	371	--	255	626	98623	--	98623
	BO	2	964	570	433	1967	293801	844655	1138456
J&K Min.	B	3	491	--	130	621	19880	--	19880
NLC	O	4	--	6545	4804	11349	--	22670661	22670661
SCCL	B	47	47317	--	4089	51406	22484631	--	22484631
	O	18	--	12341	5659	18000	--	52364816	52364816
	BO	1	18	289	2	309	--	3001	3001
TISCO	B	5	5622	--	390	6012	1640823	--	1640823
	O	4	--	1452	333	1785	--	8524536	8524536
RSMDC	O	1	--	128	73	201	--	1026071	1026071
PIL	O	1	--	185	48	233	--	999152	999152
GIPCL	O	2	--	350	88	438	--	2315826	2315826
GHCL	O	1	--	49	8	57	--	339501	339501
JINDAL	O	3	--	878	298	1176	--	23994835	23994835
BECML	O	2	--	473	71	544	--	3042054	3042054
APMDCL	O	1	--	18	390	408	--	221928	221928
BLAI	O	1	--	121	237	358	--	304144	304144

STATEMENT NO. 1.17 (CONTD.)

OWNER	TYPE OF MINE	NUMBER OF MINES	EMPLOYMENT				OUTPUT (IN TONNES)		
			BELLOWGROUND	OPENCAST	ABOVEGROUND	TOTAL	BELLOWGROUND	OPENCAST	TOTAL
1	2	3	4	5	6	7	8	9	10
ICML	O	1	--	886	332	1218	--	3172008	3172008
INDAL	O	1	--	138	203	341	--	2316500	2316500
MIL	B	1	1431	--	221	1652	978395	--	978395
CTL	O	1	--	5	63	68	--	--	--
RSMML	O	1	--	11	15	26	--	25997	25997
JNL	BO	1	592	137	79	808	279010	130954	409964
RASL	O	2	--	360	100	460	--	2769456	2769456
SISCL	B	1	228	--	26	254	130100	--	130100
ELCALTD	BO	1	134	61	23	218	37129	--	37129
WBMD&TCL	O	1	--	12	26	38	--	--	--
UML	O	1	--	110	47	157	--	283901	283901
ALL INDIA : OVER ALL	B	345	170650	--	43511	214161	66646920	--	66659171
	O	216	--	75906	55234	131140	--	517298454	517298454
	BO	31	11512	6767	6557	24836	3351453	14569368	17920821
ALL INDIA :	ALL	592	182162	82673	105302	370137	69998373	531880073	601878446

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, 2010.

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHTS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
1. COAL						
ANDHRA PRADESH						
Adilabad	273	3133	539	0.92	9.02	1.78
Karimnagar	744	2929	1067	2.44	8.98	3.42
Khammam	375	6650	2344	1.25	21.95	7.56
Warangal	269	877	324	0.89	2.78	1.06
TOTAL : ANDHRA PRADESH	475	4146	1074	1.57	12.91	3.49
ARUNACHAL PRADESH						
Chaglong	--	12329	544	--	43.86	1.97
ASSAM						
Tinsukia	1	1231	503	0.00	3.95	1.61
CHATTISGARH						
Bilaspur	432	--	361	1.21	--	1.01
Raigarh	598	23601	6465	1.89	76.94	21.01
Surguja	751	2227	911	2.10	6.19	2.55
Korea	651	1264	506	1.87	3.49	1.46
Korba	626	29559	7576	1.76	86.11	21.75
TOTAL : CHATTISGARH	656	20285	3834	1.89	59.74	11.14
JHARKHAND						
Deoghar	--	2224	1027	--	6.18	2.92
Dhanbad	236	3240	633	0.78	9.60	2.02
Giridih	--	1739	965	--	5.74	3.13
Godda	--	17032	6675	--	56.77	22.25
Hazaribagh	161	3016	1059	0.52	9.38	3.33
Palamau	--	2282	1231	--	7.09	3.69
Ranchi	266	6223	2408	0.86	17.18	6.82
Sahebganj	--	7614	5217	--	24.63	16.80
Bokaro	141	2697	1151	0.46	8.46	3.69
Pakur	--	47552	25148	--	149.59	79.10
Chatra	163	21400	8491	0.51	63.69	25.61
Latehar	--	4216	3208	--	13.91	10.37
TOTAL : JHARKHAND	219	4515	1199	0.72	13.71	3.80
JAMMU & KASHMIR						
Rajauri	43	--	34	0.14	--	0.11
Udhampur	31	--	24	0.10	--	0.08
TOTAL : JAMMU & KASHMIR	40	--	32	0.13	--	0.10

STATEMENT NO. 1.18 **(CONTD.)**

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
MADHYA PRADESH						
Betul	792	--	659	2.34	--	1.95
Chhindwara	472	2760	479	1.50	8.70	1.52
Narsigpur	--	2514	850	--	10.82	3.41
Shahdol	503	4375	689	1.52	12.25	2.06
Sidhi	--	6670	3948	--	19.78	11.92
Umaria	387	10395	490	1.14	28.48	1.46
Anuppur	579	4073	876	1.59	11.06	2.40
Singrauli	--	8897	6032	--	28.44	19.30
TOTAL : MADHYA PRADESH	532	6094	1353	1.61	18.04	4.09
MAHARASHTRA						
Chandrapur	351	6093	1327	1.03	17.13	3.79
Nagpur	412	5914	1021	1.27	18.05	3.13
Yavatmal	530	5036	2701	1.51	15.51	8.20
TOTAL : MAHARASHTRA	391	5643	1491	1.17	16.65	4.39
ORISSA						
Angul	290	11313	5622	0.84	34.40	16.85
Sambalpur	--	16786	6793	--	56.28	22.67
Sundergarh	--	10106	9597	--	27.68	26.29
Jharsuguda	684	13517	4894	2.16	38.07	14.57
TOTAL : ORISSA	549	11986	5502	1.68	35.31	16.42
UTTAR PRADESH						
Sonebhadra	--	5822	3630	--	18.14	11.27
WEST BENGAL						
Bankura	249	0	166	0.77	0.00	0.51
Birbhum	0	770	546	0.00	2.14	1.58
Burdwan	214	3355	378	0.67	10.47	1.18
Purulia	201	--	130	0.66	--	0.43
TOTAL : WEST BENGAL	214	3287	369	0.67	10.23	1.16
ALL INDIA : COAL	384	6702	1587	1.21	20.29	4.93

STATEMENT NO. 1.18 (CONTD.)

(IN TONNES)

STATE/DISTRICT	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGHTS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
	1	2	3	4	5	6	7
2. LIGNITE						
GUJARAT						
Bharuch	--	2392	1998	--	8.01	6.73
Bhavanagar	--	7305	4566	--	20.64	12.96
Kutch	--	12800	8960	--	38.26	27.19
Surat	--	7569	6069	--	22.20	17.78
TOTAL : GUJARAT	--	6178	4810	--	19.33	15.08
RAJASTHAN						
Barmer	--	8016	5105	--	26.63	16.96
Bikaner	--	1722	1670	--	4.73	4.60
Nagaur	--	2363	1000	--	8.09	3.34
TOTAL : RAJASTHAN	--	3769	3035	--	11.03	9.07
TAMILNADU						
Cuddalore	--	3535	2005	--	11.35	6.22
ALL INDIA : LIGNITE	--	4201	2592	--	13.35	8.04
ALL INDIA : COAL & LIGNITE	384	6434	1626	1.21	19.58	5.05

STATEMENT NO. 1.19
PRODUCTIVITY IN COAL MINES DURING THE YEAR, 2010 : OWNERWISE

OWNER	(IN TONNES)					
	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
BCCL	227	3247	719	0.75	9.58	2.28
CCL	161	4228	1543	0.52	13.04	4.83
ECL	209	5061	454	0.65	15.58	1.42
MCL	549	11906	5479	1.68	35.00	16.32
NCL	--	6354	3870	--	19.33	11.86
NEC	1	1231	503	0.00	3.95	1.61
SECL	576	16125	2192	1.67	45.75	6.38
WCL	496	5353	1146	1.50	15.79	3.42
CIL	352	6992	1617	1.09	20.92	4.95
JSMDC	--	4216	3208	--	13.91	10.37
DVC	--	2445	1038	--	7.94	3.37
GMDC	--	6073	4692	--	19.52	15.09
IISCO	294	1482	477	0.95	4.83	1.55
J&K Min.	40	--	32	0.13	--	0.10
NLC	--	3464	1998	--	11.05	6.17
SCCL	475	4146	1074	1.57	12.91	3.49
TISCO	292	5871	1304	0.97	18.24	4.25
RSMDC	--	8016	5105	--	26.63	16.96
PIL	--	5401	4288	--	17.71	14.06

STATEMENT NO. 1.19 (CONTD.)

(IN TONNES)

OWNER	OUTPUT PER MAN YEAR			OUTPUT PER MANSIGNS		
	BELLOWGROUND	OPENCAST	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7
GIPCL	--	6617	5287	--	18.48	14.76
GHCL	--	6929	5956	--	19.49	17.01
JINDAL	--	27329	20404	--	89.60	66.90
BECML	--	6431	5592	--	17.96	15.62
APMDCL	--	12329	544	--	43.86	1.97
BLAI	--	2514	850	--	10.82	3.41
ICML	--	3580	2604	--	11.74	8.54
INDAL	--	16786	6793	--	56.28	22.67
MIL	684	--	592	2.24	--	1.94
CTL	--	0	0	--	0.00	0.00
RSMMI	--	2363	1000	--	8.09	3.34
ECL	--	47552	25148	--	149.59	79.10
JNL	471	956	507	1.55	3.13	1.66
RASL	--	7693	6021	--	25.26	19.78
SISCL	571	--	512	1.56	--	1.40
SEML	--	4073	3426	--	11.06	9.35
ELCALTD	277	0	170	0.99	0.00	0.60
WBMD&TCL	--	0	0	--	0.00	0.00
UML	--	2581	1808	--	8.53	5.99
ALL INDIA	384	6434	1626	1.21	19.58	5.05

STATEMENT NO. 1.20

REGIONWISE EMPLOYMENT AND OUTPUT IN COAL MINES DURING THE YEAR, 2101.

REGION/ZONE*	NUMBER OF MINES	AVERAGE DAILY EMPLOYMENT				OUTPUT (IN TONNES)		
		BELLOWGROUND	OPENCAST	ABOVEGROUND	OVERALL	BELLOWGROUND	OPENCAST	OVERALL
1	2	3	4	5	6	7	8	9
Dhanbad I	30	10272	2554	4884	17710	2985336	9204944	12190280
Dhanbad II	32	9429	2391	5437	17257	1636548	6175404	7811952
Dhanbad III	35	12247	3738	5882	21867	2953596	12646713	15600309
Central Zone	97	31948	8683	16203	56834	7575480	28027061	35602541
Sitarampur I	42	15458	710	6905	23073	2841731	803116	3644847
Sitarampur II	47	14159	3271	7861	25291	3436455	8725482	12161937
Sitarampur III	32	8608	3086	6714	18408	1693166	27549413	29242579
Eastern Zone	121	38225	7067	21480	66772	7971352	37078011	45049363
Ajmer	4	--	397	96	493	--	1496274	1496274
Ghaziabad	3	491	--	130	621	19880	--	19880
Udaipur	9	--	2203	627	2830	--	13611067	13611067
Northern Zone	16	491	2600	853	3944	19880	15107341	15127221
Bhubaneswar	23	4510	7776	5886	18172	2474242	94509871	96984113
Chaibasa	1	--	697	37	734	--	7044007	7044007
Koderma	23	2558	4672	3337	10567	392306	12592485	12984791
Ranchi	49	5806	8040	8875	22721	971432	42942220	43913652
South Eastern Zone	96	12874	21185	18135	52194	3837980	157088583	160926563

STATEMENT NO. 1.20 (CONTD.)

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
Hyderabad I	43	28576	10393	8226	47195	17364152	45359594	62723746
Hyderabad II	23	18759	2237	1524	22520	5120479	7008223	12128702
Oorgaum	2	--	6287	4796	11083	--	22226455	22226455
Southern Zone	68	47335	18917	14546	80798	22484631	74594272	97078903
Bilaspur	59	17735	5394	8445	31574	11641370	109416349	121057719
Jabalpur	50	14411	12166	12829	39406	6953113	74058655	81011768
Nagpur 1	44	13605	1378	4804	19787	7440414	6973570	14413984
Nagpur 2	41	5538	5283	8007	18828	2074153	29536231	31610384
Western Zone	194	51289	24221	34085	109595	28109050	219984805	248093855
ALL INDIA	592	182162	82673	105302	370137	69998373	531880073	601878446

*: The Zones as existed before reorganization.

STATEMENT NO. 1.21

EMPLOYMENT ON ROLLS IN COAL MINES DURING THE YEAR, 2010 : OWNERWISE

OWNER	NO. OF MINES	BELOW-GROUND	OPENCAST	ABOVE-GROUND	TOTAL
1	2	3	4	5	6
BCCL	85	29218	10582	17329	57129
CCL	63	10140	12984	14490	37614
ECL	114	47116	5096	24943	77155
MCL	23	5722	10790	7010	23522
NCL	10	--	12601	8223	20824
NEC	6	601	1037	902	2540
SECL	91	39902	7412	17276	64590
WCL	83	24472	7755	15802	48029
CIL	475	157171	68257	105975	331403
JSMDC	1	--	126	39	165
DVC	1	--	95	128	223
GMDC	6	--	2180	642	2822
IISCO	3	1577	624	789	2990
J&K Min.	3	610	--	164	774
NLC	4	--	7853	5766	13619
SCCL	66	58603	15431	11808	85842
TISCO	9	6745	1727	883	9355
RSMDC	1	--	174	100	274
PIL	1	--	222	58	280
GIPCL	2	--	826	271	1097
GHCL	1	--	93	15	108
JINDAL	3	--	1001	377	1418
BECML	2	--	663	106	769
APMDCL	1	--	26	560	586
BLAI	1	--	145	284	429
ICML	1	--	1063	398	1461
INDAL	1	--	164	244	408
MIL	1	1717	--	265	1982
CTL	1	--	6	76	82
RSMML	1	--	13	18	31
JNL	1	710	164	94	968
RASL	2	--	432	120	552
SISCL	1	274	--	31	305
JINDAL	1	--	260	--	260
ELCALTD	1	161	73	28	262
WBMD&TCL	1	--	19	34	53
UML	1	--	132	56	188
ALL INDIA	592	227568	101549	129329	458446

STATEMENT NO.1.22 TREND IN PRODUCTIVITY IN COAL MINES										(IN TONNES)	
YEAR	OUTPUT PER MANSHIFT					OUTPUT PER MAN YEAR					
	BELLOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE		BELLOW GOUND	OPEN-CAST	BELLOWGR-OUND & OPENCAST	ALL IN THE MINE		
	1	2	3	4	5	6	7	8	9		
1971	0.86	1.46	0.95	0.67	356	397	279	198			
1976	0.91	1.48	1.02	0.69	276	399	301	205			
1981	0.82	3.02	1.09	0.81	252	927	336	248			
1986	0.77	4.89	1.47	1.01	240	1518	454	313			
1991	0.73	8.05	2.03	1.40	224	2497	621	429			
1992	0.75	8.30	2.15	1.47	228	2672	660	453			
1993	0.77	8.75	2.23	1.53	239	2736	692	477			
1994	0.77	9.22	2.37	1.63	241	2925	743	511			
1995	0.78	10.07	2.61	1.80	239	3182	801	554			
1996	0.80	10.69	2.77	1.91	249	3422	869	601			
1997	0.80	11.27	2.92	2.01	248	3602	911	629			
1998	0.83	11.39	3.04	2.09	254	3665	944	651			
1999	0.85	10.77	3.06	2.12	264	3454	958	663			
2000	0.87	12.10	3.39	2.34	266	3894	1052	729			
2001	0.87	12.60	3.58	2.51	268	4019	1107	779			
2002	0.94	13.56	3.97	2.75	291	4339	1238	860			
2003	0.95	14.24	4.27	2.91	295	4565	1332	910			
2004	0.94	15.10	4.61	3.19	294	4943	1455	1010			
2005	1.00	15.92	4.87	3.35	312	5125	1532	1055			
2006	1.00	14.80	4.99	3.50	313	4865	1584	1116			
2007	1.05	15.77	5.59	3.95	331	5213	1792	1268			
2008	1.12	17.14	5.89	4.25	355	5700	1918	1371			
2009	1.15	18.65	6.60	4.66	359	6150	2101	1494			
2010	1.21	19.58	7.09	5.05	384	6434	2273	1626			

STATEMENT No. 1.23

TREND IN AVERAGE DAILY EMPLOYMENT : OWNERWISE
(IN THOUSAND)

NAME OF COMPANY	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
B.C.C.L	111.5	107.6	101.8	98.3	94.4	90.8	86.6	80.2	74.8	70.0	68.4	62.7	59.7	57.0	53.6	51.2	47.1	49.3	46.5
C.C.L	63.7	62.5	59.9	59.2	57.9	56.6	54.9	53.7	50.5	48.0	45.8	43.4	41.2	40.6	38.8	38.8	35.1	32.7	30.8
E.C.L	124.6	122.7	117.0	110.1	110.1	110.2	107.0	98.7	92.7	89.8	83.4	81.7	78.9	77.2	73.6	72.2	70.2	68.4	64.2
M.C.L	15.3	15.2	15.4	15.6	16.5	16.5	16.6	17.7	17.7	16.0	16.3	18.4	17.7	17.2	16.1	16.3	16.2	18.1	18.6
N.C.L	11.2	11.5	10.8	11.1	11.6	12.3	12.4	13.2	13.0	12.4	13.0	12.9	12.9	13.4	13.8	16.0	16.7	17.3	17.1
N.E.C	3.5	3.4	3.2	3.0	3.0	2.9	2.9	3.1	3.0	3.1	3.2	2.6	2.7	2.8	2.9	2.7	2.4	1.9	2.1
S.E.C.L	65.2	65.8	63.4	64.3	62.0	63.4	63.6	63.7	62.9	59.8	59.8	58.6	58.9	57.9	57.9	54.0	52.8	49.9	49.5
W.C.L	57.9	56.3	54.8	54.3	53.5	55.1	55.6	52.9	53.7	50.1	47.6	49.2	47.2	44.0	42.9	41.1	40.9	40.2	38.0
C.I.L	452.9	445.0	426.3	415.9	409.0	407.8	399.6	383.2	368.3	349.2	337.5	329.5	319.2	310.1	229.2	292.3	281.4	277.8	266.8
D.V.C	0.8	0.7	0.6	0.6	0.5	0.4	0.3	0.4	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
G.M.D.C	1.5	1.5	1.6	1.5	1.4	1.4	1.4	1.9	1.4	1.5	1.4	1.4	1.3	1.5	1.3	1.5	1.5	1.9	2.3
IISCO	3.8	3.8	4.0	3.6	3.5	3.5	3.4	3.5	3.3	3.6	3.3	3.6	3.2	3.1	3.1	2.8	2.6	2.6	2.6
J & K MINERALS	0.7	0.7	0.3	0.6	0.6	0.7	0.7	0.6	0.9	1.0	1.0	1.0	1.0	0.9	0.9	0.8	0.5	0.6	0.6
N.L.C.	5.8	6.9	7.0	6.9	7.6	7.0	7.1	7.4	7.1	7.4	7.3	9.1	9.8	12.1	10.6	10.6	10.6	10.9	11.3
S.C.C.L	73.4	75.8	71.6	72.2	71.8	70.7	68.6	68.6	67.2	65.4	62.3	60.6	59.7	58.7	57.8	55.9	57.9	62.9	69.7
TISCO	13.1	11.9	12.3	12.0	12.0	11.5	9.5	9.0	8.2	8.5	8.1	9.1	7.9	8.5	8.2	9.7	7.1	8.1	7.8
OTHERS	--	--	--	--	--	0.4	0.7	1.1	1.7	1.3	1.4	2.2	2.8	3.8	4.4	5.4	7.4	9.0	8.8
TOTAL :	552.0	546.3	523.7	513.3	506.4	503.4	491.3	466.7	458.4	438.2	422.6	416.8	405.2	398.9	385.7	379.5	369.4	374.0	370.1

STATEMENT NO.1.24

TREND IN ANNUAL OUTPUT: OWNERWISE

(IN MILLION TONNES)

COMPANY	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
B.C.C.L.	28.9	29.3	28.4	28.9	30.1	29.2	26.8	26.9	24.8	28.1	23.3	22.8	21.7	23.7	23.3	26.8	32.1	33.4
C.C.L.	33.2	32.9	29.0	31.8	32.3	31.7	32.2	33.4	32.8	36.4	36.2	36.6	39.1	37.5	43.7	42.8	44.7	47.4
E.C.L.	23.4	23.0	25.7	28.7	28.5	27.5	24.8	27.1	27.1	26.5	27.3	26.6	28.8	25.9	23.7	26.4	29.3	36.9
M.C.L.	23.8	26.4	31.3	36.2	41.0	44.8	42.1	45.7	45.6	51.2	56.7	66.2	69.1	66.9	83.0	84.3	97.9	101.7
N.C.L.	30.7	32.1	35.0	36.2	36.9	35.8	37.0	40.3	41.8	44.1	44.2	48.6	51.6	53.6	55.6	62.8	66.7	66.2
N.E.C.	1.2	1.2	1.0	0.8	0.7	0.6	0.6	0.7	0.7	0.7	0.7	0.7	0.8	1.2	1.0	1.0	1.1	1.1
S.E.C.L.	47.4	48.6	51.7	53.9	56.0	58.6	57.0	60.5	64.0	66.8	69.1	77.9	82.1	86.1	92.1	103.9	103.0	101.7
W.C.L.	25.8	26.4	28.5	29.7	32.5	32.3	32.6	35.8	37.2	38.2	45.5	48.7	43.5	43.5	42.2	43.8	45.1	43.5
C.I.L.	214.4	219.9	230.6	246.2	258.0	260.5	253.1	270.4	274.0	292.0	303.0	328.1	336.7	338.4	364.6	391.8	419.9	439.0
B.E.C.M.L.	--	--	--	--	--	1.8	2.0	2.4	2.8	3.0	3.6	3.9	4.2	4.2	4.2	4.2	3.8	3.4
J.S.M.D.C.	--	--	0.2	0.3	0.2	0.2	0.3	0.3	0.5	0.5	0.4	0.6	0.7	0.7	0.7	0.4	0.4	0.4
D.V.C.	--	--	0.2	0.3	0.4	0.4	0.3	0.4	0.4	0.1	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.2
G.I.P.C.L.	--	--	--	--	--	0.2	1.1	1.2	1.5	1.5	1.6	1.7	1.7	1.7	1.7	1.8	2.3	
G.M.D.C	3.4	4.0	4.6	4.6	5.1	5.0	4.6	4.6	4.6	5.4	5.2	6.3	6.8	8.0	9.4	8.9	8.0	11.0
I.I.S.CO.	0.7	0.9	1.0	0.9	0.8	0.8	1.0	1.2	1.2	0.9	0.7	0.9	0.8	0.6	1.0	1.0	1.2	1.2
JINDAL	--	--	--	--	--	0.5	1.3	1.5	1.9	2.4	2.8	4.6	6.1	5.9	3.7	5.9	24.0	
N.L.C.	13.5	13.7	17.5	17.7	17.9	18.9	17.7	17.6	18.6	17.7	20.8	20.8	18.2	19.3	22.3	20.6	21.6	22.7
R.S.M.D.C.	--	--	--	--	0.1	0.2	0.2	0.2	0.3	0.4	0.5	0.6	0.6	0.4	0.4	1.0	0.8	1.0
S.C.C.L.	24.7	24.7	25.6	29.1	28.8	27.8	30.0	29.5	30.8	34.0	33.4	34.5	35.6	39.6	45.6	48.4	61.4	74.9
T.I.S.CO.	3.8	4.0	4.8	5.0	5.3	5.1	5.2	5.3	5.6	5.8	5.8	5.7	6.5	6.3	9.9	10.4	10.3	10.2
TOTAL* :	260.6	267.5	284.5	304.1	316.6	319.9	312.4	334.3	341.5	363.3	377.7	409.3	420.9	430.3	481.1	506.3	558.8	601.9

Note-*Total includes other companies

STATEMENT NO.1.25
TREND IN OUTPUT PER MANYEAR : OWNERWISE

(IN TONNES)

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

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

N.A : Not available.

SECTION – II

GASSINESS

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

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

STATEMENT NO. 2.2
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2010.

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	18	--	--	--	--	--	--	18
Karimnagar	17	--	--	--	--	--	--	17
Khammam	7	--	--	--	--	--	--	7
Warangal	6	--	--	--	--	--	--	6
TOTAL : ANDHRA PRADESH	48	--	--	--	--	--	--	48
ASSAM								
Tinsukia	--	1	1	--	--	--	--	2
CHATTISGARH								
Bilaspur	2	--	--	--	--	--	--	2
Raigarh	4	--	--	--	--	--	--	4
Surguja	10	--	--	--	--	--	--	10
Korea	15	--	--	--	--	--	--	15
Korba	10	--	--	--	--	--	--	10
TOTAL : CHATTISGARH	41	--	--	--	--	--	--	41
JHARKHAND								
Dhanbad	51	17	2	1	1	1	--	73
Hazaribagh	5	9	--	--	--	--	--	14
Ranchi	1	--	--	--	--	--	--	1
Bokaro	4	4	1	1	--	1	1	12
Chatra	1	--	--	--	--	--	--	1
TOTAL : JHARKHAND	62	30	3	2	1	2	1	101
JAMMU & KASHMIR								
Rajauri	1	1	--	--	--	--	--	2
Udhampur	1	--	--	--	--	--	--	1
TOTAL : JAMMU & KASHMIR	2	1	--	--	--	--	--	3

STATEMENT NO. 2.2
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2010.

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
MADHYA PRADESH								
Betul	1	8	--	--	--	--	--	9
Chhindwara	9	6	--	2	--	--	--	17
Shahdol	19	2	--	--	--	--	--	21
Umaria	8	--	--	--	--	--	--	8
Anuppur	1	--	--	--	--	--	--	1
TOTAL : MADHYA PRADESH	38	16	--	2	--	--	--	56
MAHARASHTRA								
Chandrapur	12	--	--	--	--	--	--	12
Nagpur	8	--	--	--	--	--	--	8
Yavatmal	2	--	--	--	--	--	--	2
TOTAL : MAHARASHTRA	22	--	--	--	--	--	--	22
ORISSA								
Angul	2	--	--	--	--	--	--	2
Jharsuguda	1	4	--	1	--	--	--	6
TOTAL : ORISSA	3	4	--	1	--	--	--	8
WEST BENGAL								
Bankura	--	--	1	--	--	--	--	1
Birbhum	1	--	--	--	--	--	--	1
Burdwan	24	47	6	4	--	1	--	82
Purulia	--	2	--	--	--	--	--	2
TOTAL : WEST BENGAL	25	49	7	4	--	1	--	86
ALL INDIA : HARD COAL	241	101	11	9	1	3	1	367

STATEMENT NO. 2.3
CLASSIFICATION OF BELOWGROUND MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2010 : 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	42	15	3	--	1	--	--	61
CCL	10	12	--	1	--	1	1	25
ECL	32	50	6	3	--	1	--	92
MCL	3	4	--	1	--	--	--	8
NEC	--	1	1	--	--	--	--	2
SECL	67	2	--	--	--	--	--	69
WCL	31	14	--	2	--	--	--	47
CIL	185	98	10	7	1	2	1	304
IISCO	--	1	1	1	--	--	--	3
J&K Min.	2	1	--	--	--	--	--	3
SCCL	48	--	--	--	--	--	--	48
TISCO	2	1	--	1	--	1	--	5
MIL	1	--	--	--	--	--	--	1
JNL	1	--	--	--	--	--	--	1
SISCL	1	--	--	--	--	--	--	1
ELCALTD	1	--	--	--	--	--	--	1
ALL INDIA	241	101	11	9	1	3	1	367

STATEMENT NO. 2.4
BELOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2010.

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	18759	5120479	--	--	--	--
Karimnagar	19395	14434560	--	--	--	--
Khammam	4313	1618564	--	--	--	--
Warangal	4868	1311028	--	--	--	--
TOTAL : ANDHRA PRADESH	47335	22484631	--	--	--	--
ASSAM						
Tinsukia	--	--	387	516	113	--
CHATTISGARH						
Bilaspur	549	237296	--	--	--	--
Raigarh	2572	1537885	--	--	--	--
Surguja	4495	3374672	--	--	--	--
Korea	6369	4144806	--	--	--	--
Korba	3750	2346711	--	--	--	--
TOTAL : CHATTISGARH	17735	11641370	--	--	--	--
JHARKHAND						
Dhanbad	19663	5151327	9652	2035032	2960	429229
Hazaribagh	1829	267081	3225	548438	--	--
Ranchi	326	86588	--	--	--	--
Bokaro	624	86825	2033	287357	540	75840
Chatra	426	69325	--	--	--	--
TOTAL : JHARKHAND	22868	5661146	14910	2870827	3500	505069
JAMMU & KASHMIR						
Rajauri	229	10472	162	6322	--	--
Udhampur	100	3086	--	--	--	--
TOTAL : JAMMU & KASHMIR	329	13558	162	6322	--	--
MADHYA PRADESH						
Betul	165	572324	3812	2576231	--	--
Chhindwara	2762	949143	2650	1603791	--	--
Shahdol	10058	4926568	959	611065	--	--
Umaria	2862	1107230	--	--	--	--
Anuppur	532	308250	--	--	--	--
TOTAL : MADHYA PRADESH	16379	7863515	7421	4791087	--	--

STATEMENT NO. 2.4

(CONTD.)

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
MAHARASHTRA						
Chandrapur	4817	1691882	--	--	--	--
Nagpur	4216	1738925	--	--	--	--
Yavatmal	721	382271	--	--	--	--
TOTAL : MAHARASHTRA	9754	3813078	--	--	--	--
ORISSA						
Angul	1549	448597	--	--	--	--
Jharsuguda	628	592510	2333	1433135	--	--
TOTAL : ORISSA	2177	1041107	2333	1433135	--	--
WEST BENGAL						
Bankura	--	--	--	--	464	115618
Birbhum	6	--	--	--	--	--
Burdwan	10730	2801088	22116	4527014	2484	236973
Purulia	--	--	959	192319	--	--
TOTAL : WEST BENGAL	10736	2801088	23075	4719333	2948	352591
ALL INDIA : HARD COAL	127313	55319493	48288	13821220	6561	857660

STATEMENT NO. 2.5
BELLOWGROUND EMPLOYMENT AND OUTPUT IN COAL MINES BY DEGREE OF GASSY SEAMS DURING THE YEAR, 2010 : 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	14379	4043656	6884	1048675	2339	261298
CCL	3071	472690	4726	778079	433	75840
ECL	13198	3170957	23281	4666897	2635	321586
MCL	2177	1041107	2333	1433135	--	--
NEC	--	--	387	516	113	--
SECL	29164	16726013	959	611065	--	--
WCL	12453	5204445	6462	4180022	--	--
CIL	74442	30658868	45032	12718389	5520	658724
IISCO	4	--	960	293801	371	98623
J&K Min.	329	13558	162	6322	--	--
SCCL	47335	22484631	--	--	--	--
TISCO	2818	737802	2134	802708	670	100313
MIL	1431	978395	--	--	--	--
JNL	592	279010	--	--	--	--
SISCL	228	130100	--	--	--	--
ELCALTD	134	37129	--	--	--	--
ALL INDIA	127313	55319493	48288	13821220	6561	857660

SECTION – III

EXPLOSIVES

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

STATEMENT NO. 3.2

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2010. (IN KILOGRAM)

STATE/DISTRICT	NO.OF MINES USING	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETONATORS USDED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
1. COAL					
ANDHRA PRADESH					
Adilabad	23	2219909	4194188	6414097	6625392
Karimnagar	22	2291499	44244727	46536226	6102682
Khammam	14	574167	18367714	18941881	1526615
Warangal	7	973747	4733760	5707507	1489210
TOTAL : ANDHRA PRADESH	66	6059322	71540389	77599711	15743899
ARUNACHAL PRADESH					
Chaglong	1	--	24019	24019	35622
ASSAM					
Tinsukia	6	211947	529207	741154	62620
CHATTISGARH					
Bilaspur	2	135071	--	135071	310508
Raigarh	10	756203	13770471	14526674	1905643
Surgoja	14	1749603	5286210	7035813	2875584
Korea	15	1866161	187156	2053317	3485503
Korba	16	1132448	49207425	50339873	2609986
TOTAL : CHATTISGARH	57	5639486	68451262	74090748	11187224
JHARKHAND					
Deoghar	2	--	1161373	1161373	1055
Dhanbad	89	3672357	35723313	39395670	12541490
Giridih	2	--	941979	941979	20012
Godda	1	--	4246337	4246337	68123
Hazaribagh	33	889892	26912161	27802053	3282283
Palamau	2	--	61590	61590	6361
Ranchi	6	36520	3959112	3995632	97884
Sahebganj	1	--	129566	129566	6632
Bokaro	20	950713	4803119	5753832	1103887
Pankur	1	--	2014934	2014934	46554
Chatra	3	27491	9796361	9823852	67530
Latehar	1	--	20600	20600	557
TOTAL : JHARKHAND	161	5576973	89770445	95347418	17242368
JAMMU & KASHMIR					
Rajauri	1	--	--	--	--
Udhampur	1	--	--	--	--
TOTAL : JAMMU & KASHMIR	2	--	--	--	--
MADHYA PRADESH					
Betul	9	11031509	--	11031509	3486422
Chhindwara	20	724605	2271450	2996055	1534966
Narsighpur	1	--	169189	169189	35932
Shahdol	27	3010884	15521652	18532536	6811735
Sidhi	4	--	52012657	52012657	79107
Umaria	9	651981	2063851	2715832	1316111
Anuppur	2	185935	340240	526175	324793
Singrauli	1	--	4135737	4135737	948
TOTAL : MADHYA PRADESH	73	15604914	76514776	92119690	13590014
MAHARASHTRA					
Chandrapur	28	664736	18273335	18938071	1460309
Nagpur	12	812980	4657416	5470396	1484608
Yavatmal	12	6424	14259900	14266324	8822199
TOTAL : MAHARASHTRA	52	1484140	37190651	38674791	11767116
ORISSA					
Angul	11	240695	16097672	16338367	1813864
Sundergarh	1	--	2082000	2082000	79469
Jharsuguda	11	951224	19550200	20501424	2569432
TOTAL : ORISSA	23	1191919	37729872	38921791	4462765

STATEMENT NO. 3.2 (CONTD.)

STATE/DISTRICT	NO.OF MINES USING	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETONATORS USDED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
UTTAR PRADESH Sonebhadra	5	--	49404690	49404690	41515
WEST BENGAL Bankura	1	61462	--	61462	150241
Birbhum	1	--	50508	50508	3865
Burdwan	93	4175237	15651895	19827132	7024676
Purulia	2	67967	--	67967	194839
TOTAL : WEST BENGAL	97	4304666	15702403	20007069	7373621
ALL INDIA : COAL	543	40073367	446857714	486931081	81506764
2. LIGNITE					
GUJARAT Bharuch	1	--	--	--	--
Bhavanagar	1	--	--	--	--
Bhavnagar	1	--	--	--	--
Kutch	2	--	1799	1799	41
Surat	3	--	--	--	--
TOTAL : GUJARAT	8	--	1799	1799	41
RAJASTHAN Bikaner	2	--	--	--	--
Nagaur	1	--	--	--	--
TOTAL : RAJASTHAN	3	--	--	--	--
TAMILNADU Cuddalore	2	--	6217458	6217458	212663
ALL INDIA : LIGNITE	13	--	6219257	6219257	212704
ALL INDIA: COAL & LIGNITE	556	40073367	453076971	493150338	81719468

STATEMENT NO. 3.3

EXPLOSIVES USED IN COAL MINES DURING THE YEAR, 2010.

OWNER	NO.OF MINES USING EXPLO- SIVES	EXPLOSIVES USED (IN KILOGRAMS)			NO.OF DETON- ATORS USED
		PERMITTED	NON PERMITTED	TOTAL	
1	2	3	4	5	6
BCCL	73	2884382	35371822	38256204	10642307
CCL	59	1082092	32211718	33293810	4235041
ECL	108	4471773	16614599	21086372	7761037
MCL	23	1191919	37729872	38921791	4462765
NCL	10	--	105553084	105553084	121570
NEC	6	211947	529207	741154	62620
SECL	88	8882629	76721105	85603734	18003096
WCL	79	13167406	38796409	51963815	16645970
CIL	446	31892148	343527816	375419964	61934406
JSMDC	1	--	20600	20600	557
DVC	1	--	167188	167188	5723
GMDC	5	--	1799	1799	41
IISCO	3	65076	702933	768009	322197
J&K Min.	2	--	--	--	--
NLC	4	--	6217458	6217458	212663
SCCL	66	6059322	71540389	77599711	15743899
TISCO	9	586046	13959933	14545979	1361312
PIL	1	--	2665256	2665256	1353
GIPCL	2	--	--	--	--
GHCL	1	--	--	--	--
JINDAL	2	--	6095804	6095804	275709
BENGALEMTA	2	--	2852105	2852105	137333
APMDTC	1	--	24019	24019	35622
BLAI	1	--	169189	169189	35932
ICML	1	--	3571950	3571950	137170
MIL	1	477134	--	477134	868848
RSMML	1	--	--	--	--
JNL	1	128523	131912	260435	234225
RASL	2	--	1410197	1410197	52400
SISCL	2	72848	18423	91271	346766
ELCALTD	1	792270	--	792270	13312
ALL INDIA	556	40073367	453076971	493150338	81719468

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
1993	202	12413	66	12091	474	30998	3869	5851	3084	166303	60	5799	4	128	1024	77134	125	3859	8908	314576
1994	196	12295	63	14231	533	33800	3775	5727	3079	162128	69	5063	-	-	1177	84643	72	3581	8964	321468
1995	154	9815	65	16295	596	37758	3841	5819	3246	170822	80	6326	-	-	1160	89774	71	2139	9213	338748
1996	146	9570	53	12941	621	39163	3585	5443	2999	158357	58	5071	-	-	1171	86486	88	3038	8721	320069
1997	130	8220	51	12501	703	43607	3737	5655	3228	170392	62	4738	-	-	1154	85400	137	3472	9202	333985
1998	100	6330	50	12685	758	48165	3947	6013	3205	170449	49	3712	-	-	1289	96038	82	3005	9480	346407
1999	75	4896	48	12932	792	50203	3844	5828	3072	163442	54	4516	-	-	1298	94802	72	3239	9255	339858
2000	69	4366	46	11929	816	51997	3850	5885	3089	170656	49	3828	-	-	1156	88510	109	4938	9184	342109
2001	34	2210	51	11976	807	51799	3541	5368	2828	160220	43	3260	-	-	1163	79921	139	6919	8606	321673
2002	29	1755	39	10845	880	55067	3243	4891	2691	148830	46	3119	-	-	1218	94828	152	7579	8298	326914
2003	25	1716	33	10303	930	59241	3346	5013	2706	150085	44	2399	2	320	1306	101716	143	9115	8535	339908
2004	15	1056	41	11382	964	62683	3624	5494	2680	154005	36	1367	3	300	1192	95602	108	5361	8663	337250
2005	10	700	35	14418	895	61278	3326	5021	2552	145971	20	1000	2	220	1196	90599	114	8310	8150	327517
2006	12	1355	72	14061	977	61523	3304	5118	2382	132474	37	1455	5	370	1392	110500	96	6459	8277	333315
2007	15	1365	49	11534	999	68914	3559	5450	2698	151038	29	1149	5	472	1286	106957	198	15978	8853	362857
2008	26	1590	27	8992	1091	69761	3563	5440	2605	149039	30	2730	8	1056	1462	130895	198	14573	9010	384036
2009	55	3692	44	9517	987	73290	3155	4953	2356	139978	26	1811	-	-	1287	118848	128	12189	8038	364278
2010	57	7028	35	8713	1028	72373	3269	5523	2247	128797	35	2509	15	1682	1340	119973	301	23608	8423	370206

• Excluding underground pumps and ventilators.

STATEMENT NO. 4.2
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2010. : STATEWISE

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	
	1	2	3	4	5	6	7	8	9	10	11	12	13
ANDHRA PRADESH													
Adilabad	--	--	--	8	46	3075	1	10	750	17	302	18395	
Karimnagar	2	20	3443	12	87	11128	2	4	2000	12	209	11146	
Khammam	--	--	--	4	18	1663	--	--	--	5	104	5312	
Warangal	--	--	--	2	14	940	--	--	--	5	84	4926	
TOTAL:ANDHRA PRADESH	2	20	3443	26	165	16806	3	14	2750	39	699	39779	
ARUNACHAL PRADESH													
Chaglong	--	--	--	--	--	--	--	--	--	--	--	--	
ASSAM													
Tinsukia	--	--	--	--	--	--	--	--	--	1	3	320	
CHATTISGARH													
Bilaspur	--	--	--	1	3	150	--	--	--	2	5	298	
Raigarh	--	--	--	2	34	1595	--	--	--	3	38	2670	
Surguja	--	--	--	10	62	3554	2	2	600	7	31	1760	
Korea	2	11	1455	7	53	3064	--	--	--	11	48	2984	
Korba	1	4	220	8	44	3493	--	--	--	9	48	3285	
TOTAL:CHATTISGARH	3	15	1675	28	196	11856	2	2	600	32	170	10997	
JHARKHAND													
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	
Dhanbad	1	4	870	39	164	10546	1	4	575	49	306	18367	
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	
Godda	--	--	--	--	--	--	--	--	--	--	--	--	
Hazaribagh	--	--	--	6	18	965	--	--	--	13	47	3360	
Palamau	--	--	--	--	--	--	--	--	--	--	--	--	
Ranchi	--	--	--	1	3	150	--	--	--	1	2	150	
Sahebganj	--	--	--	--	--	--	--	--	--	--	--	--	
Bokaro	--	--	--	1	1	65	--	--	--	8	23	1085	
Pakur	--	--	--	--	--	--	--	--	--	--	--	--	
Chatra	--	--	--	1	2	100	--	--	--	1	2	130	
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	
TOTAL:JHARKHAND	1	4	870	48	188	11826	1	4	575	72	380	23092	

STATEMENT NO. 4.2 (Contd.)

STATE/DISTRICT	CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
ANDHRA PRADESH																
Adilabad	5	9	1158	17	508	765	1	1	80	--	--	--	1	2	80	
Karimnagar	6	110	17898	15	400	617	--	--	--	1	2	250	5	31	3447	
Khammam	4	62	11455	5	86	130	--	--	--	--	--	--	1	1	20	
Warangal	1	4	260	5	127	191	--	--	--	--	--	--	--	--	--	
TOTAL:ANDHRA PRADESH	16	185	30771	42	1121	1703	1	1	80	1	2	250	7	34	3547	
ARUNACHAL PRADESH																
Chaglong	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ASSAM																
Tinsukia	1	1	30	1	11	16	--	--	--	1	3	215	--	--	--	
CHATTISGARH																
Bilaspur	1	8	580	1	9	14	--	--	--	--	--	--	1	3	60	
Raigarh	2	23	1945	4	43	65	--	--	--	--	--	--	2	10	2340	
Surguja	7	62	5217	9	83	133	--	--	--	--	--	--	1	4	104	
Korea	10	98	4751	12	149	257	1	2	142	3	5	400	7	69	2732	
Korba	8	80	7440	10	88	201	--	--	--	--	--	--	4	13	2542	
TOTAL:CHATTISGARH	28	271	19933	36	372	670	1	2	142	3	5	400	15	99	7778	
JHARKHAND																
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Dhanbad	13	266	16823	59	441	712	--	--	--	2	14	346	4	12	264	
Giridih	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Godda	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Hazaribagh	--	--	--	10	36	56	--	--	--	--	--	--	--	--	--	
Palamu	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Ranchi	1	6	450	1	6	9	--	--	--	--	--	--	--	--	--	
Sahebganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Bokaro	1	2	480	7	29	179	--	--	--	--	--	--	--	--	--	
Pakur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
Chatra	1	15	670	1	8	12	--	--	--	--	--	--	1	15	1340	
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
TOTAL:JHARKHAND	16	289	18423	78	520	968	--	--	--	2	14	346	5	27	1604	

STATEMENT NO. 4.2 (CONTD.)

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
1	2	3	4	5	6	7	8	9	10	11	12	13
JAMMU & KASHMIR												
Rajauri	--	--	--	--	--	--	--	--	--	1	1	60
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--	1	1	60
MADHYA PRADESH												
Betul	--	--	--	7	50	2599	--	--	--	9	39	2232
Chhindwara	2	7	350	11	45	2535	--	--	--	15	71	3872
Narsigpur	--	--	--	--	--	--	--	--	--	--	--	--
Shahdol	1	1	100	18	106	7192	1	5	250	18	126	7088
Sidhi	--	--	--	--	--	--	--	--	--	--	--	--
Umaria	--	--	--	3	17	1210	--	--	--	7	34	2255
Anuppur	--	--	--	1	8	430	--	--	--	1	15	150
Singrauli	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:MADHYA PRADESH	3	8	450	40	226	13966	1	5	250	50	285	15597
MAHARASHTRA												
Chandrapur	--	--	--	6	30	2125	--	--	--	11	97	5494
Nagpur	--	--	--	7	34	1967	--	--	--	7	52	3290
Yavatmal	--	--	--	2	9	545	--	--	--	2	13	857
TOTAL:MAHARASHTRA	--	--	--	15	73	4637	--	--	--	20	162	9641
ORISSA												
Angul	--	--	--	2	27	2350	--	--	--	1	6	222
Sambalpur	--	--	--	--	--	--	--	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	--	--	--	--	--	--
Jharsuguda	--	--	--	5	31	2110	--	--	--	6	62	4277
TOTAL:ORISSA	--	--	--	7	58	4460	--	--	--	7	68	4499

STATEMENT NO. 4.2 (Contd.)

STATE/DISTRICT	CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS		
	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
JAMMU & KASHMIR															
Rajauri	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MADHYA PRADESH															
Betul	8	74	5720	8	100	159	--	--	--	--	--	--	2	6	522
Chhindwara	9	63	6746	15	131	247	--	--	--	--	--	--	4	23	960
Narsipur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shahdol	18	164	12088	19	204	320	--	--	--	--	--	--	5	34	1423
Sidhi	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Umaria	5	43	2442	6	58	80	--	--	--	--	--	--	--	--	--
Anuppur	--	--	--	1	16	24	--	--	--	--	--	--	1	1	45
Singrauli	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:MADHYA PRADESH	40	344	26996	49	509	830	--	--	--	--	--	--	12	64	2950
MAHARASHTRA															
Chandrapur	7	35	3568	10	93	153	--	--	--	1	3	251	2	12	4080
Nagpur	6	48	3298	8	105	174	--	--	--	1	7	1010	3	24	1210
Yavatmal	--	--	--	2	15	23	--	--	--	--	--	--	1	3	60
TOTAL:MAHARASHTRA	13	83	6866	20	213	350	--	--	--	2	10	1261	6	39	5350
ORISSA															
Angul	2	39	2055	2	34	51	--	--	--	--	--	--	--	--	--
Sambalpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Jharsuguda	3	12	1249	6	48	79	--	--	--	--	--	--	3	15	677
TOTAL:ORISSA	5	51	3304	8	82	130	--	--	--	--	--	--	3	15	677

STATEMENT NO. 4.2 (CONTD.)

STATE/DISTRICT	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			
	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	
	1	2	3	4	5	6	7	8	9	10	11	12	13
UTTAR PRADESH													
Sonebhadra	--	--	--	--	--	--	--	--	--	--	--	--	--
WEST BENGAL													
Bankura	1	2	140	1	4	260	--	--	--	1	7	340	
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	
Burdwan	4	8	450	32	117	8497	4	10	4538	72	466	24202	
Purulia	--	--	--	1	1	65	--	--	--	2	6	270	
TOTAL:WEST BENGAL	5	10	590	34	122	8822	4	10	4538	75	479	24812	
GUJARAT													
Bharuch	--	--	--	--	--	--	--	--	--	--	--	--	
Bhavanagar	--	--	--	--	--	--	--	--	--	--	--	--	
Kutch	--	--	--	--	--	--	--	--	--	--	--	--	
Surat	--	--	--	--	--	--	--	--	--	--	--	--	
TOTAL:GUJARAT	--	--	--	--	--	--	--	--	--	--	--	--	
RAJASTHAN													
Barmer	--	--	--	--	--	--	--	--	--	--	--	--	
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	
Nagaur	--	--	--	--	--	--	--	--	--	--	--	--	
TOTAL:RAJASTHAN	--	--	--	--	--	--	--	--	--	--	--	--	
TAMILNADU													
Cuddalore	--	--	--	--	--	--	--	--	--	--	--	--	
ALL INDIA :	14	57	7028	198	1028	72373	11	35	8713	297	2247	128797	

STATEMENT NO. 4.2 (Contd.)

STATE/DISTRICT	CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS		
	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USIG	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USIG	TOTAL H.P.
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
UTTAR PRADESH															
Sonebhadra	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WEST BENGAL															
Bankura	--	--	--	1	6	9	--	--	--	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Burdwan	14	116	13650	73	422	827	1	3	790	1	1	37	5	21	1552
Purulia	--	--	--	2	13	20	1	9	670	--	--	--	1	2	150
TOTAL:WEST BENGAL	14	116	13650	76	441	856	2	12	1460	1	1	37	6	23	1702
GUJARAT															
Bharuch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:GUJARAT	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RAJASTHAN															
Barmer	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:RAJASTHAN	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TAMILNADU															
Cuddalore	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA :	133	1340	119973	310	3269	5523	4	15	1682	10	35	2509	54	301	23608

STATEMENT NO. 4.3
MACHINERIES USED IN BELOWGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2010 : OWNERWISE

OWNER	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES		
	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
BCCL	1	4	870	36	141	9081	--	--	--	37	164	11850
CCL	--	--	--	9	24	1280	--	--	--	22	71	4540
ECL	5	10	590	35	127	9187	4	10	4538	80	534	25452
MCL	--	--	--	7	58	4460	--	--	--	7	68	4499
NCL	--	--	--	--	--	--	--	--	--	--	--	--
NEC	--	--	--	--	--	--	--	--	--	1	3	320
SECL	4	16	1775	48	293	19093	3	7	850	57	313	18100
WCL	2	7	350	33	168	9771	--	--	--	43	268	15495
CIL	12	37	3585	168	811	52872	7	17	5388	247	1421	80256
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--	--	--	--
IISCO	--	--	--	--	--	--	1	4	575	3	17	905
J&K Min.	--	--	--	--	--	--	--	--	--	1	1	60
NLC	--	--	--	--	--	--	--	--	--	--	--	--
SCCL	2	20	3443	26	165	16806	3	14	2750	39	699	39779
TISCO	--	--	--	2	18	1100	--	--	--	5	73	5157
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--
BENGALEMFTA	--	--	--	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--	--	--	--	--
MIL	--	--	--	1	28	1295	--	--	--	1	32	2390

STATEMENT NO. 4.3 (CONTD.)

OWNER	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.
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
BCCL	6	43	5594	47	275	645	--	--	--	2	14	346	3	5	323
CCL	2	21	1120	18	70	106	--	--	--	--	--	--	1	15	1340
ECL	14	116	13650	82	510	913	2	12	1460	1	1	37	6	23	1482
MCL	5	51	3304	8	82	130	--	--	--	--	--	--	3	15	677
NCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NEC	1	1	30	1	11	16	--	--	--	1	3	215	--	--	--
SECL	49	455	32518	60	614	1040	1	2	142	3	5	400	19	124	6906
WCL	29	218	18972	42	435	738	--	--	--	2	10	1261	12	68	6832
CIL	106	905	75188	258	1997	3588	3	14	1602	9	33	2259	44	250	17560
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
IISCO	2	55	3595	3	43	65	--	--	--	--	--	--	1	7	161
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SCCL	16	185	30771	42	1121	1703	1	1	80	1	2	250	7	34	3547
TISCO	5	168	7634	4	63	95	--	--	--	--	--	--	--	--	--
RSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BENGALEMFTA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MIL	1	16	1650	1	30	45	--	--	--	--	--	--	1	4	2100

STATEMENT NO. 4.3 (CONTD.)

OWNER	COAL CUTTING MACHINES			MECHANICAL LOADERS			MECH. CUTTER/LOADERS			ROPE HAULAGES			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.										
	1	2	3	4	5	6	7	8	9	10	11	12	13
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--
JNL	--	--	--	1	6	300	--	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--	1	4	250	
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	14	57	7028	198	1028	72373	11	35	8713	297	2247	128797	

STATEMENT NO. 4.3 (CONTD.)

OWNER	CONVEYORS			DRILLS			SHUTTLE CARS			LOCOMOTIVES			OTHERS			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.													
	1	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
JNL	1	7	295	1	6	9	--	--	--	--	--	--	1	6	240	
RASL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SISCL	1	2	360	1	9	18	--	--	--	--	--	--	--	--	--	--
ELCALTD	1	2	480	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ALL INDIA	133	1340	119973	310	3269	5523	4	15	1682	10	35	2509	54	301	23608	

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

Machineries	2002		2003		2004		2005		2006		2007		2008		2009		2010	
	No.	H.P.	No.	H.P.	No.	H.P.	No.	H.P.										
1	6	7	8	9	10	11	12	13	14	15	16	17	16	17	16	17	16	17
Shovel	1159	439766	1136	445566	1135	479579	1073	452744	1088	448264	1188	511520	1247	548029	1320	557498	1499	567145
Drill	972	316917	1003	329921	978	332532	922	329023	861	303143	1023	397481	1018	349428	920	326280	980	322643
Dragline	41	117963	39	108696	45	118809	34	91355	28	76853	33	77022	48	113359	40	99700	42	97924
Dozer	1201	456563	1230	466530	1309	506301	1219	448133	1151	418210	1382	495484	1411	501190	1410	523998	1437	487252
Dumper	4721	2365904	4576	2535581	4516	2335655	4553	2487737	4391	2363973	4634	2506481	4994	2685842	5324	2827622	5455	2693218
Scraper	2	665	2	665	1	330	-	-	1	147	4	1107	5	1410	3	960	6	1469
Grader	218	49047	237	55172	282	47926	217	43290	237	50511	276	64320	276	58515	359	63527	388	67079
Loader	120	30697	101	25631	91	22203	76	20245	78	22481	126	36253	156	36673	134	3425	142	28922
Crane	328	43863	341	48441	359	50993	347	42491	249	34086	368	48659	399	52317	426	49472	431	46558
Others	267	62859	252	79539	325	101222	226	120153	290	80591	413	111542	532	132206	418	105412	472	125650
Total	9029	3864244	8917	4095742	9041	3995550	8667	4035171	8374	3798259	9447	4249869	10086	4478969	10354	4557894	10852	4437860

STATEMENT NO. 4.5
MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2010.

STATE/DISTRICT	SHOVELS				DUMPERS				DRILLS				DOZERS				CRANES			
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16				
ANDHRA PRADESH																				
Adilabad	5	13	3305	3	27	9810	5	8	2600	5	12	4020	3	8	1689					
Karimnagar	5	57	33060	5	347	260206	6	78	18444	5	57	22750	3	24	2000					
Khammam	7	58	23567	7	326	199016	7	33	12306	7	53	15602	5	39	4082					
Warangal	2	17	10708	2	129	32800	2	4	1540	2	16	4289	--	--	--					
TOTAL:ANDHRA PRADESH	19	145	70640	17	829	501832	20	123	34890	19	138	46661	11	71	7771					
ARUNACHAL PRADESH																				
Chaglong	1	20	1473	1	66	1354	--	--	--	1	7	374	--	--	--					
ASSAM																				
Tinsukia	3	25	7036	2	18	2750	3	7	1464	3	13	4280	--	--	--					
CHATTISGARH																				
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--					
Raigarh	7	40	10346	7	284	86444	5	13	2595	7	23	6140	2	2	127					
Surguja	6	25	8200	6	107	39110	5	26	10077	4	32	11880	2	4	583					
Korea	1	2	452	1	3	380	1	2	388	1	1	410	--	--	--					
Korba	6	51	32143	6	220	99885	5	71	19004	6	76	28520	5	25	3269					
TOTAL:CHATTISGARH	20	118	51141	20	614	225819	16	112	32064	18	132	46950	9	31	3979					
JHARKHAND																				
Deoghar	2	6	1780	2	27	10260	2	4	1460	2	10	4200	2	2	239					
Dhanbad	36	188	62786	30	442	182017	35	135	40667	34	181	59658	10	20	3829					
Giridih	2	4	1150	2	13	5048	2	3	1270	2	4	1550	2	2	370					
Godda	1	10	20798	1	53	6750	1	6	1920	1	7	2870	--	--	--					
Hazaribagh	20	61	22500	20	344	167173	19	53	18195	20	87	34320	10	23	2982					
Palamu	3	10	3335	3	26	8650	3	7	1524	3	5	1600	2	3	795					
Ranchi	5	16	4401	5	61	21455	5	12	3368	5	29	10690	1	2	380					
Sahebganj	1	1	110	1	4	1520	1	1	260	1	1	400	--	--	--					
Bokaro	13	41	14656	13	187	132802	13	35	11850	13	49	17748	8	19	2751					
Pakur	1	8	7249	1	11	9550	1	6	2310	1	10	4065	1	1	250					
Chatra	2	12	5155	2	36	10340	2	16	7555	2	18	5835	2	9	1748					
Latehar	1	4	1200	1	9	3420	1	2	370	1	3	960	--	--	--					
TOTAL:JHARKHAND	87	361	145120	81	1213	558985	85	280	90749	85	404	143896	38	81	13344					

STATEMENT NO. 4.5(Contd.)

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
ANDHRA PRADESH															
Adilabad	--	--	--	--	--	--	2	2	250	4	4	580	5	10	1210
Karimnagar	--	--	--	3	3	11500	4	21	2409	5	20	4150	1	18	11633
Khammam	--	--	--	--	--	--	3	3	350	6	24	5700	3	17	6150
Warangal	--	--	--	--	--	--	--	--	--	2	6	860	--	--	--
TOTAL:ANDHRA PRADESH	--	--	--	3	3	11500	9	26	3009	17	54	11290	9	45	18993
ARUNACHAL PRADESH															
Chaglong	--	--	--	--	--	--	--	--	--	1	1	173	--	--	--
ASSAM															
Tinsukia	--	--	--	--	--	--	--	--	--	2	2	313	--	--	--
CHATTISGARH															
Bilaspur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Raigarh	--	--	--	--	--	--	4	14	2496	5	12	2149	4	24	3475
Surguja	--	--	--	3	4	8940	3	3	537	4	6	1577	3	7	2350
Korea	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Korba	--	--	--	--	--	--	1	1	83	5	20	4595	3	17	6051
TOTAL:CHATTISGARH	--	--	--	3	4	8940	8	18	3116	14	38	8321	10	48	11876
JHARKHAND															
Deoghar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Dhanbad	--	--	--	2	2	7000	1	1	380	11	83	2575	7	15	2687
Giridih	--	--	--	--	--	--	1	1	310	1	1	200	--	--	--
Godda	--	--	--	--	--	--	--	--	--	1	2	420	--	--	--
Hazaribagh	--	--	--	--	--	--	2	2	500	12	18	2694	1	61	3853
Palamu	--	--	--	--	--	--	1	1	120	2	2	415	--	--	--
Ranchi	--	--	--	--	--	--	1	1	410	2	2	485	2	3	750
Sahebganj	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Bokaro	--	--	--	--	--	--	2	4	640	9	10	2262	1	1	380
Pakur	--	--	--	--	--	--	1	3	2100	1	1	125	--	--	--
Chatra	--	--	--	1	5	2940	1	1	499	1	3	760	1	8	5108
Latehar	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:JHARKHAND	--	--	--	3	7	9940	10	14	4959	40	122	9936	12	88	12778

STATEMENT NO. 4.5 (CONTD.)

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															
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chhindwara	3	5	1600	2	8	2400	1	3	360	2	3	880	--	--	--
Narsipur	1	5	1035	1	29	7292	1	2	304	1	4	500	--	--	--
Shahdol	7	35	9455	6	107	44080	7	32	12015	6	34	11540	3	8	1088
Sidhi	3	36	20015	3	138	101351	4	58	26817	4	84	36255	2	13	2543
Umaria	1	1	300	1	2	600	--	--	--	--	--	--	--	--	--
Anuppur	1	2	820	1	12	4500	1	1	375	1	2	640	--	--	--
Singrauli	1	2	640	1	8	8400	1	2	440	1	2	800	--	--	--
TOTAL:MADHYA PRADESH	17	86	33865	15	304	168623	15	98	40311	15	129	50615	5	21	3631
MAHARASHTRA															
Chandrapur	14	103	36022	13	305	162280	13	64	17515	14	108	31409	7	18	2993
Nagpur	5	39	13467	5	114	52996	4	20	7662	5	42	13723	2	5	812
Yavatmal	10	73	21440	10	295	126004	10	36	10752	10	59	17927	4	7	640
TOTAL:MAHARASHTRA	29	215	70929	28	714	341280	27	120	35929	29	209	63059	13	30	4445
ORISSA															
Angul	7	51	18468	8	298	190693	8	62	20252	8	64	23890	6	29	3794
Sambalpur	1	7	2150	1	20	4472	1	1	450	1	4	2584	--	--	--
Sundergarh	1	9	2969	1	19	12044	1	6	2080	1	7	2795	1	5	460
Jharsuguda	5	41	12962	5	184	76923	5	33	10125	5	40	10689	3	14	1771
TOTAL:ORISSA	14	108	36549	15	521	284132	15	102	32907	15	115	39958	10	48	6025
UTTAR PRADESH															
Sonebhadra	5	55	35251	4	208	194446	5	61	27470	4	60	24545	3	17	2939

STATEMENT NO. 4.5(Contd.)

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															
Betul	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Chhindwara	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Narsigpur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Shahdol	1	3	960	4	6	9889	1	2	415	4	5	1283	1	2	730
Sidhi	--	--	--	2	5	20076	2	4	1770	4	22	6336	2	7	2890
Umaria	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Anuppur	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Singrauli	--	--	--	--	--	--	1	1	850	--	--	--	--	--	--
TOTAL:MADHYA PRADESH	1	3	960	6	11	29965	4	7	3035	8	27	7619	3	9	3620
MAHARASHTRA															
Chandrapur	--	--	--	2	2	6529	3	5	866	12	16	3727	4	14	1896
Nagpur	--	--	--	1	2	3300	1	1	110	2	5	1205	2	17	8975
Yavatmal	1	3	509	--	--	--	1	13	1971	7	12	2662	4	24	21710
TOTAL:MAHARASHTRA	1	3	509	3	4	9829	5	19	2947	21	33	7594	10	55	32581
ORISSA															
Angul	--	--	--	2	2	3618	5	23	7358	6	22	6115	3	41	8167
Sambalpur	--	--	--	--	--	--	1	8	1020	--	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	1	2	262	1	2	560	--	--	--
Jharsuguda	--	--	--	3	4	6352	2	3	240	5	10	1832	3	11	3713
TOTAL:ORISSA	--	--	--	5	6	9970	9	36	8880	12	34	8507	6	52	11880
UTTAR PRADESH															
Sonebhadra	--	--	--	2	6	12580	1	1	380	3	17	3845	--	--	--

STATEMENT NO. 4.5 (CONTD.)

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
WEST BENGAL															
Bankura	1	2	760	1	2	760	--	--	--	1	1	400	--	--	--
Birbhum	1	3	960	1	10	3800	1	2	760	1	4	1600	--	--	--
Burdwan	19	103	45952	20	368	191204	17	58	20949	19	65	21675	4	12	2052
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:WEST BENGAL	21	108	47672	22	380	195764	18	60	21709	21	70	23675	4	12	2052
GUJARAT															
Bharuch	2	37	9140	--	--	--	--	--	--	2	3	526	--	--	--
Bhavanagar	2	21	10032	2	35	15788	--	--	--	2	6	1170	--	--	--
Kutch	2	25	3807	2	22	9380	1	5	1570	2	11	2190	1	1	180
Surat	3	90	27655	3	319	127340	--	--	--	3	26	4705	--	--	--
TOTAL:GUJARAT	9	173	50634	7	376	152508	1	5	1570	9	46	8591	1	1	180
RAJASTHAN															
Barmer	1	22	3422	1	63	16025	--	--	--	1	2	360	--	--	--
Bikaner	2	18	5808	2	90	29240	--	--	--	2	10	2260	--	--	--
Nagaur	1	3	1040	1	13	4160	--	--	--	1	4	1420	--	--	--
TOTAL:RAJASTHAN	4	43	10270	4	166	49425	--	--	--	4	16	4040	--	--	--
TAMILNADU															
Cuddalore	1	42	6565	2	46	16300	1	12	3580	2	98	30608	2	119	2192
ALL INDIA :	230	1499	567145	218	5455	2693218	206	980	322643	225	1437	487252	96	431	46558

STATEMENT NO. 4.5(Contd.)

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	31
WEST BENGAL															
Bankura	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--	1	1	145	--	--	--
Burdwan	--	--	--	1	1	5200	6	9	1580	4	8	1665	5	47	9926
Purulia	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
TOTAL:WEST BENGAL	--	--	--	1	1	5200	6	9	1580	5	9	1810	5	47	9926
GUJARAT															
Bharuch	--	--	--	--	--	--	--	--	--	2	8	1151	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--	--	2	2	325	2	3	725
Kutch	--	--	--	--	--	--	2	2	180	2	7	800	--	--	--
Surat	--	--	--	--	--	--	--	--	--	3	15	2456	2	20	2728
TOTAL:GUJARAT	--	--	--	--	--	--	2	2	180	9	32	4732	4	23	3453
RAJASTHAN															
Barmer	--	--	--	--	--	--	--	--	--	1	3	249	--	--	--
Bikaner	--	--	--	--	--	--	2	2	224	2	8	1172	2	7	1075
Nagaur	--	--	--	--	--	--	--	--	--	1	1	210	--	--	--
TOTAL:RAJASTHAN	--	--	--	--	--	--	2	2	224	4	12	1631	2	7	1075
TAMILNADU															
Cuddalore	--	--	--	--	--	--	2	8	612	2	7	1308	2	98	19468
ALL INDIA :	2	6	1469	26	42	97924	58	142	28922	138	388	67079	63	472	125650

STATEMENT NO. 4.6

MACHINERIES USED IN OPENCAST WORKINGS IN COAL MINES DURING THE YEAR, 2010 : 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	33	172	57108	29	438	180364	31	126	38180	31	172	56010	9	19	3669
CCL	38	125	45253	38	585	315974	37	108	38642	38	177	65713	24	57	8866
ECL	24	94	55346	23	335	135110	24	65	22803	25	86	30928	6	13	1963
MCL	13	101	34399	14	501	279660	14	101	32457	14	111	37374	10	48	6025
NCL	9	93	55906	8	354	304197	10	121	54727	9	146	61600	5	30	5482
NEC	3	25	7036	2	18	2750	3	7	1464	3	13	4280	--	--	--
SECL	23	121	53127	22	475	198155	21	136	43379	19	146	53450	12	39	5067
WCL	31	212	64497	29	692	310260	27	121	35449	30	202	59850	13	30	4445
CIL	174	943	372672	165	3398	1726470	167	785	267101	169	1053	369205	79	236	35517
JSMDC	1	4	1200	1	9	3420	1	2	370	1	3	960	--	--	--
DVC	1	3	980	1	17	6324	1	2	600	1	2	900	--	--	--
GMDC	6	103	29657	4	95	41587	1	5	1570	6	22	4356	1	1	180
IISCO	2	22	6990	2	30	10276	2	11	4188	2	8	2980	1	1	160
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	3	60	12373	4	136	45540	1	12	3580	4	108	32868	2	119	2192
SCCL	19	145	70640	17	829	501832	20	123	34890	19	138	46661	11	71	7771
TISCO	4	7	2300	4	38	14440	4	9	2750	4	9	3460	1	1	160
RSMDC	1	22	3422	1	63	16025	--	--	--	1	2	360	--	--	--
PIL	1	1	280	1	1	300	--	--	--	1	2	500	--	--	--
GIPCL	2	64	19537	2	266	106346	--	--	--	2	21	3805	--	--	--
GHCL	1	6	1440	1	15	4575	--	--	--	1	3	430	--	--	--
JINDAL	2	27	6728	2	234	74724	1	6	240	2	16	3997	--	--	--
BENGALEMTA	2	19	14420	2	64	55021	2	13	4005	2	15	5900	1	2	578
APMDTC	1	20	1473	1	66	1354	--	--	--	1	7	374	--	--	--
BLAI	1	5	1035	1	29	7292	1	2	304	1	4	500	--	--	--
ICML	1	15	6425	1	59	28180	--	--	--	--	--	--	--	--	--
INDAL	1	7	2150	1	20	4472	1	1	450	1	4	2584	--	--	--
MIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	1	3	1040	1	13	4160	--	--	--	1	4	1420	--	--	--
JNL	1	3	345	1	10	380	1	1	235	1	2	700	--	--	--
RASL	2	10	8662	2	42	33820	1	2	840	2	11	4172	--	--	--
SISCL	1	2	606	1	3	1040	1	2	600	1	1	400	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	1	2	760	1	2	760	--	--	--	1	1	400	--	--	--
UML	1	6	2010	1	16	4880	1	4	920	1	1	320	--	--	--
ALL INDIA	230	1499	567145	218	5455	2693218	206	980	322643	225	1437	487252	96	431	46558

STATEMENT NO. 4.6 (Contd.)

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.
	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
BCCL	--	--	--	2	2	7000	2	3	835	11	82	2605	7	15	2687
CCL	--	--	--	1	5	2940	7	9	2359	25	34	6376	4	12	6238
ECL	--	--	--	1	1	5200	4	6	2635	6	11	2210	3	9	2322
MCL	--	--	--	5	6	9970	8	28	7860	12	34	8507	6	52	11880
NCL	--	--	--	4	11	32656	4	6	3000	7	39	10181	2	7	2890
NEC	--	--	--	--	--	--	--	--	--	2	2	313	--	--	--
SECL	1	3	960	7	10	18829	6	12	1779	14	32	7545	8	27	9221
WCL	1	3	509	3	4	9829	5	19	2947	20	31	7159	10	55	32581
CIL	2	6	1469	23	39	86424	36	83	21415	97	265	44896	40	177	67819
JSMDC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	2	2	180	6	20	2896	1	2	600
IISCO	--	--	--	--	--	--	1	3	480	1	2	290	--	--	--
J&K Min.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	4	10	836	4	15	2480	4	105	20543
SCCL	--	--	--	3	3	11500	9	26	3009	17	54	11290	9	45	18993
TISCO	--	--	--	--	--	--	--	--	--	--	--	--	1	61	3853
RSMDC	--	--	--	--	--	--	--	--	--	1	3	249	--	--	--
PIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	2	11	1646	2	20	2728	
GHCL	--	--	--	--	--	--	--	--	1	1	190	1	1	125	
JINDAL	--	--	--	--	--	--	2	6	1522	2	9	1620	2	22	3005
BENGALEMTA	--	--	--	--	--	--	1	1	110	1	1	145	1	11	1935
APMDTC	--	--	--	--	--	--	--	--	1	1	173	--	--	--	
BLAI	--	--	--	--	--	--	--	--	--	--	--	--	--	--	
ICML	--	--	--	--	--	--	--	--	--	--	--	1	27	5669	
INDAL	--	--	--	--	--	--	1	8	1020	--	--	--	--	--	--
MIL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CTL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	1	1	210	--	--	--	--
JNL	--	--	--	--	--	--	--	--	1	1	320	1	1	380	
RASL	--	--	--	--	--	--	1	2	230	2	3	554	--	--	--
SISCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	1	1	120	1	1	120	--	--	--
ALL INDIA	2	6	1469	26	42	97924	58	142	28922	138	388	67079	63	472	125650

STATEMENT NO. 4.7
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2011.

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
1	2	3	4	5	6	7	8	9	10
1. COAL									
ANDHRA PRADESH									
Adilabad	18	28	3957	3	10	5006	10	21	1435
Karimnagar	13	48	5274	--	--	--	9	68	5455
Khammam	6	10	710	1	2	150	5	29	5515
Warangal	6	12	1474	--	--	--	3	6	482
TOTAL : ANDHRA PRADESH	43	98	11415	4	12	5156	27	124	12887
ARUNACHAL PRADESH									
Chaglong	--	--	--	--	--	--	--	--	--
ASSAM									
Tinsukia	1	4	275	2	104	36920	--	--	--
CHATTISGARH									
Bilaspur	2	2	187	--	--	--	2	2	197
Raigarh	4	5	509	1	8	2000	3	6	497
Surguja	10	17	1009	1	1	105	7	23	2644
Korea	10	15	1238	--	--	--	9	39	2362
Korba	8	11	706	1	74	8205	9	165	18777
TOTAL : CHATTISGARH	34	50	3649	3	83	10310	30	235	24477
JHARKHAND									
Deoghar	--	--	--	1	2	66	--	--	--
Dhanbad	40	141	10990	33	244	70287	9	77	4407
Giridih	--	--	--	--	--	--	--	--	--
Godda	--	--	--	--	--	--	--	--	--
Hazaribagh	11	28	2333	1	7	380	5	28	1700
Palamau	--	--	--	--	--	--	--	--	--
Ranchi	--	--	--	--	--	--	--	--	--
Sahebganj	--	--	--	--	--	--	--	--	--
Bokaro	8	15	1564	2	5	168	2	2	250
Pakur	--	--	--	1	28	29400	--	--	--
Chatra	1	2	190	1	1	35	1	4	400
Latehar	--	--	--	--	--	--	--	--	--
TOTAL : JHARKHAND	60	186	15077	39	287	100336	17	111	6757

STATEMENT NO. 4.7 (CONTD.)

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	1	2	3	4	5	6	7	8	9	10
JAMMU & KASHMIR									
Rajauri	1	1	40	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	1	1	40	--	--	--	--	--	--
MADHYA PRADESH									
Betul	6	6	511	1	1	30	7	14	963
Chhindwara	16	30	2613	2	2	132	12	17	3223
Narsigpur	--	--	--	--	--	--	--	--	--
Shahdol	20	40	2446	1	3	75	18	50	6239
Sidhi	--	--	--	--	--	--	2	21	4712
Umaria	5	24	1650	--	--	--	2	8	525
Anuppur	1	1	100	--	--	--	--	--	--
Singrauli	--	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	48	101	7320	4	6	237	41	110	15662
MAHARASHTRA									
Chandrapur	9	12	1413	4	32	1570	11	39	4544
Nagpur	8	34	725	1	35	16820	9	41	3036
Yavatmal	1	2	200	--	--	--	3	8	293
TOTAL : MAHARASHTRA	18	48	2338	5	67	18390	23	88	7873
ORISSA									
Angul	1	1	100	1	50	31320	4	52	4985
Sambalpur	--	--	--	1	31	11320	--	--	--
Sundergarh	--	--	--	1	19	1204	--	--	--
Jharsuguda	5	7	676	3	21	4894	4	5	631
TOTAL : ORISSA	6	8	776	6	121	48738	8	57	5616
UTTAR PRADESH									
Sonebhadra	--	--	--	1	59	23600	2	31	7332
WEST BENGAL									
Bankura	1	1	100	1	2	238	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--
Burdwan	37	51	4835	43	91	8703	23	61	6071
Purulia	--	--	--	--	--	--	--	--	--
TOTAL : WEST BENGAL	38	52	4935	44	93	8941	23	61	6071
ALL INDIA : COAL	249	548	45825	108	832	252628	171	817	86675

STATEMENT NO. 4.7 (Contd.)

STAT/DISTRICT	LOCOMOTIVES			LOADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	1	11	12	13	14	15	16	17	18	19
JAMMU & KASHMIR									
Rajauri	--	--	--	--	--	--	--	--	--
Udhampur	--	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	--	--	--	--	--	--	--	--	--
MADHYA PRADESH									
Betul	--	--	--	--	--	--	--	--	--
Chhindwara	--	--	--	--	--	--	--	--	--
Narsigpur	--	--	--	--	--	--	--	--	--
Shahdol	1	1	240	--	--	--	1	2	70
Sidhi	--	--	--	--	--	--	--	--	--
Umaria	--	--	--	--	--	--	--	--	--
Anuppur	--	--	--	--	--	--	--	--	--
Singrauli	--	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	1	1	240	--	--	--	1	2	70
MAHARASHTRA									
Chandrapur	--	--	--	1	1	250	4	5	1398
Nagpur	--	--	--	--	--	--	1	1	290
Yavatmal	--	--	--	--	--	--	1	3	335
TOTAL : MAHARASHTRA	--	--	--	1	1	250	6	9	2023
ORISSA									
Angul	--	--	--	--	--	--	3	36	4275
Sambalpur	--	--	--	--	--	--	1	1	225
Sundergarh	--	--	--	--	--	--	--	--	--
Jharsuguda	1	1	300	2	3	240	--	--	--
TOTAL : ORISSA	1	1	300	2	3	240	4	37	4500
UTTAR PRADESH									
Sonebhadra	1	3	--	1	17	3380	--	--	--
WEST BENGAL									
Bankura	--	--	--	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--	--
Burdwan	1	1	100	--	--	--	2	4	180
Purulia	--	--	--	--	--	--	--	--	--
TOTAL : WEST BENGAL	1	1	100	--	--	--	2	4	180
ALL INDIA : COAL	9	14	1562	5	27	4614	21	70	14523

STATEMENT NO. 4.7 (CONTD.)

STAT/DISTRICT	HAULAGE			DUMOERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	1	2	3	4	5	6	7	8	9	10
JAMMU & KASHMIR									
2. LIGNITE									
GUJARAT									
Bharuch	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	1	3	375	1	1	180
Kutch	--	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	1	3	375	1	1	180
RAJASTHAN									
Barmer	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--
TAMILNADU									
Cuddalore	--	--	--	--	--	--	2	61	177775
ALL INDIA : LIGNITE	--	--	--	1	3	375	3	62	177955
ALL INDIA: COAL & LIGNITE	249	548	45825	109	835	253003	174	879	264630

STATEMENT NO. 4.7(Contd.)

STAT/DISTRICT	LOCOMOTIVES			LOADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	1	11	12	13	14	15	16	17	18	19
2. LIGNITE									
GUJARAT									
Bharuch	--	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	1	15	172
Surat	--	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	--	--	--	1	15	172
RAJASTHAN									
Barmer	--	--	--	--	--	--	--	--	--
Bikaner	--	--	--	--	--	--	--	--	--
Nagaur	--	--	--	--	--	--	--	--	--
TOTAL : RAJASTHAN	--	--	--	--	--	--	--	--	--
TAMILNADU									
Cuddalore	--	--	--	--	--	--	--	--	--
ALL INDIA : LIGNITE	--	--	--	--	--	--	1	15	172
ALL INDIA: COAL & LIGNITE	9	14	1562	5	27	4614	22	85	14695

STATEMENT NO. 4.8
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2010 -- OWNERWISE.

OWNER	HAULAGE			DUMPERS			CONVEYORS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	1	2	3	4	5	6	7	8	9	10
BCCL	34	115	9095	32	187	47589	7	31	1392
CCL	19	39	3627	2	8	415	7	33	2250
ECL	41	58	5615	47	126	39493	22	60	6029
MCL	6	8	776	5	90	37418	8	57	5616
NCL	--	--	--	1	59	23600	4	52	12044
NEC	1	4	275	2	104	36920	--	--	--
SECL	58	112	7570	4	86	10385	48	288	30811
WCL	40	84	5462	8	70	18552	42	119	12059
CIL	199	420	32420	101	730	214372	138	640	70201
JSMDC	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--	--
IISCO	2	12	290	2	59	21780	3	20	947
J&K Min.	1	1	40	--	--	--	--	--	--
NLC	--	--	--	--	--	--	2	61	177775
SCCL	43	98	11415	4	12	5156	27	124	12887
TISCO	2	14	1385	--	--	--	1	28	2210
RSMDC	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	1	3	375	1	1	180
JINDAL	--	--	--	--	--	--	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	1	31	11320	--	--	--
MIL	1	2	200	--	--	--	1	4	390
CTL	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--
JNL	1	1	75	--	--	--	1	1	40
RASL	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--
ALL INDIA	249	548	45825	109	835	253003	174	879	264630

STATEMENT NO. 4.8
MACHINERIES USED IN ABOVEGROUND WORKINGS IN COAL MINES DURING THE YEAR, 2010 -- OWNERWISE.

OWNER	LOCOMOTIVES			LOADERS			OTHERS		
	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.	NO.OF MINES USING	NUMBER IN USE	TOTAL H.P.
	11	12	13	14	15	16	17	18	19
BCCL	2	2	41	--	--	--	--	--	--
CCL	1	1	480	--	--	--	--	--	--
ECL	1	1	100	--	--	--	3	7	2880
MCL	1	1	300	2	3	240	3	36	4275
NCL	1	3	--	1	17	3380	--	--	--
NEC	--	--	--	--	--	--	1	3	330
SECL	2	2	441	1	6	744	3	6	900
WCL	--	--	--	1	1	250	6	9	2023
CIL	8	10	1362	5	27	4614	16	61	10408
JSMDC	--	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	1	15	172
IISCO	1	4	200	--	--	--	--	--	--
J&K Min.	--	--	--	--	--	--	--	--	--
NLC	--	--	--	--	--	--	--	--	--
SCCL	--	--	--	--	--	--	3	5	890
TISCO	--	--	--	--	--	--	--	--	--
RSMDC	--	--	--	--	--	--	--	--	--
PIL	--	--	--	--	--	--	--	--	--
GIPCL	--	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--	--
BENGALEMATA	--	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	1	1	225
MIL	--	--	--	--	--	--	1	3	3000
CTL	--	--	--	--	--	--	--	--	--
RSMML	--	--	--	--	--	--	--	--	--
JNL	--	--	--	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--	--
SISCL	--	--	--	--	--	--	--	--	--
ELCALTD	--	--	--	--	--	--	--	--	--
WBMD&TCL	--	--	--	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--	--
ALL INDIA	9	14	1562	5	27	4614	22	85	14695

STATEMENT NO. 4.9
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2011.

STATE/DISTRICT	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
1. COAL								
ANDHRA PRADESH								
Adilabad	34	7615	22	425	--	--	--	--
Karimnagar	32	7795	30	1840	1	350	--	--
Khammam	17	3696	--	--	4	1447	--	--
Warangal	13	2150	31	620	12	504	--	--
TOTAL : ANDHRA PRADESH	96	21256	83	2885	17	2301	--	--
ARUNACHAL PRADESH								
Chaglong	--	--	--	--	--	--	--	--
ASSAM								
Tinsukia	2	50	2	40	--	--	--	--
CHATTISGARH								
Bilaspur	2	274	1	30	--	--	--	--
Raigarh	4	974	1	20	--	--	--	--
Surguja	13	2302	--	--	--	--	--	--
Korea	21	3525	4	112	--	--	2	800
Korba	13	2928	--	--	2	536	--	--
TOTAL : CHATTISGARH	53	10003	6	162	2	536	2	800
JHARKHAND								
Deoghar	--	--	--	--	--	--	--	--
Dhanbad	135	21564	27	550	79	28806	21	2180
Giridih	--	--	--	--	--	--	--	--
Godda	--	--	--	--	--	--	--	--
Hazaribagh	30	3023	6	296	1	425	1	315
Palamau	--	--	--	--	--	--	--	--
Ranchi	1	120	--	--	--	--	--	--
Sahebganj	--	--	--	--	--	--	--	--
Bokaro	19	2237	--	--	4	757	--	--
Pakur	--	--	--	--	--	--	--	--
Chatra	2	220	--	--	--	--	--	--
Latehar	--	--	--	--	--	--	--	--
TOTAL : JHARKHAND	187	27164	33	846	84	29988	22	2495
JAMMU & KASHMIR								
Rajauri	2	110	--	--	--	--	--	--
Udhampur	1	30	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	3	140	--	--	--	--	--	--

STATEMENT NO. 4.9 (CONTD.)

STATE/DISTRICT	PUMPS						COAL HANDLING PLANTS		WORKSHOP MACHINERIES ELECTRICAL	
	BELOWGROUND		OPENCAST		ABOVE GROUND		NO.	H.P.	NO.	H.P.
	NO.	H.P.	NO.	H.P.	NO.	H.P.				
1	10	11	12	13	14	15	16	17	18	19
1. COAL										
ANDHRA PRADESH										
Adilabad	229	20249	34	2470	13	710	2	1970	6	26
Karimnagar	275	33122	48	5380	20	600	7	7590	38	395
Khammam	72	9758	66	4545	25	913	5	7024	21	175
Warangal	92	8207	6	620	2	80	--	--	20	30
TOTAL : ANDHRA PRADESH	668	71336	154	13015	60	2303	14	16584	85	626
ARUNACHAL PRADESH										
Chaglong	--	--	2	300	--	--	--	--	3	10
ASSAM										
Tinsukia	7	620	9	2447	--	--	--	--	8	28
CHATTISGARH										
Bilaspur	9	1569	--	--	--	--	1	50	4	28
Raigarh	48	1746	36	5650	--	--	1	1000	3	11
Surguja	119	9062	32	3110	3	70	1	2123	50	5592
Korea	118	7409	--	--	--	--	2	710	100	727
Korba	62	10474	79	19758	4	294	5	29549	110	865
TOTAL : CHATTISGARH	356	30260	147	28518	7	364	10	33432	267	7223
JHARKHAND										
Deoghar	--	--	5	742	--	--	--	--	4	10
Dhanbad	701	106332	98	17328	2080	3607	15	8766	248	2204
Giridih	--	--	11	1516	1	85	--	--	--	--
Godda	--	--	7	2200	--	--	1	2700	10	58
Hazaribagh	81	8379	201	23919	20	1055	6	24941	122	1022
Palamau	--	--	9	651	4	897	--	--	5	11
Ranchi	3	290	27	5537	--	--	2	772	20	148
Sahebganj	--	--	2	125	--	--	--	--	--	--
Bokaro	54	5425	62	12237	6	540	2	2265	35	187
Pakur	--	--	4	1060	--	--	--	--	--	--
Chatra	3	150	17	7722	--	--	--	--	12	44
Latehar	--	--	3	319	--	--	--	--	--	--
TOTAL : JHARKHAND	842	120576	446	73356	2111	6184	26	39444	456	3684
JAMMU & KASHMIR										
Rajauri	9	250	--	--	--	--	--	--	--	--
Udhampur	1	20	--	--	--	--	--	--	--	--
TOTAL : JAMMU & KASHMIR	10	270	--	--	--	--	--	--	--	--

STATEMENT NO. 4.9
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2011.

STATE/DISTRICT	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
MADHYA PRADESH								
Betul	10	2454	--	--	--	--	--	--
Chhindwara	19	2315	--	--	1	65	--	--
Narsigpur	--	--	--	--	--	--	--	--
Shahdol	27	3794	6	260	1	425	--	--
Sidhi	--	--	--	--	9	103	--	--
Umaria	8	1147	--	--	--	--	--	--
Anuppur	1	130	--	--	--	--	--	--
Singrauli	--	--	--	--	--	--	--	--
TOTAL : MADHYA PRADESH	65	9840	6	260	11	593	--	--
MAHARASHTRA								
Chandrapur	25	3346	1	120	2	127	1	225
Nagpur	14	2159	--	--	--	--	--	--
Yavatmal	4	660	4	80	--	--	--	--
TOTAL : MAHARASHTRA	43	6165	5	200	2	127	1	225
ORISSA								
Angul	2	485	6	120	1	160	1	100
Sambalpur	--	--	--	--	--	--	--	--
Sundergarh	--	--	--	--	--	--	--	--
Jharsuguda	8	2075	4	95	1	101	--	--
TOTAL : ORISSA	10	2560	10	215	2	261	1	100
UTTAR PRADESH								
Sonebhadra	--	--	--	--	--	--	--	--
WEST BENGAL								
Bankura	3	1140	--	--	--	--	--	--
Birbhum	--	--	--	--	--	--	--	--
Burdwan	122	17067	20	663	43	8454	106	11307
Purulia	2	250	--	--	--	--	--	--
TOTAL : WEST BENGAL	127	18457	20	663	43	8454	106	11307
ALL INDIA : COAL	586	95635	165	5271	161	42260	132	14927

STATEMENT NO. 4.9 (CONTD.)

STATE/DISTRICT	PUMPS						COAL HANDLING PLANTS		WORKSHOP MACHINERIES ELECTRICAL	
	BELOWGROUND		OPENCAST		ABOVE GROUND		NO.	H.P.	NO.	H.P.
	NO.	H.P.	NO.	H.P.	NO.	H.P.				
1	10	11	12	13	14	15	16	17	18	19
MADHYA PRADESH										
Betul	27	2466	1	200	--	--	2	240	49	271
Chhindwara	103	7983	4	260	1	90	--	--	83	440
Narsigpur	--	--	14	800	--	--	--	--	10	30
Shahdol	193	16950	27	2192	6	490	5	3488	121	1230
Sidhi	--	--	38	9004	--	--	1	5084	46	229
Umaria	42	5186	6	813	11	885	1	100	11	43
Anuppur	9	480	3	165	--	--	--	--	7	51
Singrauli	--	--	3	806	--	--	1	1050	--	--
TOTAL : MADHYA PRADESH	374	33065	96	14240	18	1465	10	9962	327	2294
MAHARASHTRA										
Chandrapur	110	14493	109	16262	3	170	10	26890	163	1249
Nagpur	84	9438	28	5152	3	50	3	2717	71	571
Yavatmal	9	1415	31	5198	1	15	6	4015	62	607
TOTAL : MAHARASHTRA	203	25346	168	26612	7	235	19	33622	296	2427
ORISSA										
Angul	35	3479	62	6093	5	870	3	4641	37	189
Sambalpur	--	--	--	--	--	--	--	--	--	--
Sundergarh	--	--	4	1300	--	--	--	--	--	--
Jharsuguda	32	4909	26	6449	1	70	2	1583	35	203
TOTAL : ORISSA	67	8388	92	13842	6	940	5	6224	72	392
UTTAR PRADESH										
Sonebhadra	--	--	49	18573	1	111	2	8484	43	1202
WEST BENGAL										
Bankura	9	967	--	--	--	--	--	--	2	8
Birbhum	2	113	5	370	--	--	--	--	--	--
Burdwan	598	58966	54	6621	38	1519	12	4157	190	1903
Purulia	11	980	--	--	--	--	1	62	7	43
TOTAL : WEST BENGAL	620	61026	59	6991	38	1519	13	4219	199	1954
ALL INDIA : COAL	3147	350887	1222	197894	2248	13121	99	151971	1756	19840

STATEMENT NO. 4.9
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2011.

STATE/DISTRICT	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
2. LIGNITE								
GUJARAT								
Bharuch	--	--	--	--	--	--	--	--
Bhavanagar	--	--	--	--	--	--	--	--
Kutch	--	--	--	--	--	--	--	--
Surat	--	--	--	--	--	--	--	--
TOTAL : GUJARAT	--	--	--	--	--	--	--	--
RAJASTHAN								
Bikaner	--	--	--	--	--	--	--	--
TAMILNADU								
Cuddalore	--	--	--	--	--	--	--	--
ALL INDIA : LIGNITE	--	--	--	--	--	--	--	--
ALL INDIA: COAL & LIGNITE	586	95635	165	5271	161	42260	132	14927

STATEMENT NO. 4.9 (CONTD.)

STATE/DISTRICT	PUMPS				COAL		WORKSHOP	
	BELOWGROUND		OPENCAST		HANDLING		MACHINERIES	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	10	11	12	13	14	15	16	17
18			19					
2. LIGNITE								
GUJARAT								
Bharuch	--	--	9	890	--	--	--	8
Bhavanagar	--	--	3	115	--	--	1	180
Kutch	--	--	3	90	--	--	--	14
Surat	--	--	17	1090	--	--	1	3060
TOTAL : GUJARAT	--	--	32	2185	--	--	2	3240
RAJASTHAN								
Bikaner	--	--	1	40	3	54	--	--
TAMILNADU								
Cuddalore	--	--	149	71234	--	--	--	5
ALL INDIA : LIGNITE	--	--	182	73459	3	54	2	3240
ALL INDIA: COAL & LIGNITE	3147	350887	1404	271353	2251	13175	101	155211
								1792
								20726

STATEMENT NO. 4.10
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2010 OWNER-WISE.

OWNER	VENTILATOR				WINDING ENGINES			
	MAIN		BELOWGROUND		ELECTRICAL		STEAM	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	2	3	4	5	6	7	8	9
BCCL	112	17032	9	190	71	24939	23	3035
CCL	47	4705	6	296	1	425	1	315
ECL	137	19229	19	643	39	7914	101	9977
MCL	10	2560	10	215	2	261	1	100
NCL	--	--	--	--	9	103	--	--
NEC	2	50	2	40	--	--	--	--
SECL	87	14290	11	402	3	961	2	800
WCL	67	10734	5	200	3	192	1	225
CIL	462	68600	62	1986	128	34795	129	14452
JSMDC	--	--	--	--	--	--	--	--
DVC	--	--	--	--	--	--	--	--
GMDC	--	--	--	--	--	--	--	--
IISCO	7	1590	--	--	8	3830	--	--
J&K Min.	3	140	--	--	--	--	--	--
NLC	--	--	--	--	--	--	--	--
SCCL	96	21256	83	2885	17	2301	--	--
TISCO	9	2465	19	380	8	1334	3	475
GIPCL	--	--	--	--	--	--	--	--
GHCL	--	--	--	--	--	--	--	--
JINDAL	--	--	--	--	--	--	--	--
BENGALEMTA	--	--	--	--	--	--	--	--
APMDTC	--	--	--	--	--	--	--	--
BLAI	--	--	--	--	--	--	--	--
ICML	--	--	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--
MIL	1	650	1	20	--	--	--	--
JNL	1	134	--	--	--	--	--	--
RASL	--	--	--	--	--	--	--	--
SISCL	5	200	--	--	--	--	--	--
ELCALTD	2	600	--	--	--	--	--	--
UML	--	--	--	--	--	--	--	--
ALL INDIA	586	95635	165	5271	161	42260	132	14927

STATEMENT NO. 4.10
VENTILATORS, WINDING ENGINES, PUMPS, C.H.P. & WORKSHOP MACHINERIES USED DURING THE YEAR, 2010 OWNER-WISE.

OWNER	PUMPS						COAL		WORKSHOP	
	BELOWGROUND		OPENCAST		ABOVE GROUND		HANDLING PLANTS		MACHINERIES ELECTRICAL	
	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.	NO.	H.P.
1	10	11	12	13	14	15	16	17	18	19
BCCL	559	71875	85	15983	49	2777	16	8886	222	2021
CCL	126	12436	173	37117	31	2577	8	4675	174	1157
ECL	594	61585	67	8119	2066	2089	14	6919	210	1971
MCL	67	8388	92	13842	6	940	5	6224	72	392
NCL	--	--	90	28383	1	111	4	14618	89	1431
NEC	7	620	9	2447	--	--	--	--	8	28
SECL	557	51524	155	26778	24	1739	15	36020	405	8542
WCL	323	35455	158	25167	8	325	21	33862	426	2863
CIL	2233	241883	829	157836	2185	10558	83	111204	1606	18405
JSMDC	--	--	3	319	--	--	--	--	--	--
DVC	--	--	5	370	--	--	--	--	--	--
GMDC	--	--	19	1185	--	--	--	--	31	839
IISCO	39	7671	6	500	--	--	--	--	17	91
J&K Min.	10	270	--	--	--	--	--	--	--	--
NLC	--	--	150	71274	3	54	--	--	5	47
SCCL	668	71336	154	13015	60	2303	14	16584	85	626
TISCO	142	27845	147	13841	3	260	1	23183	32	398
GIPCL	--	--	12	940	--	--	1	3060	--	--
GHCL	--	--	1	60	--	--	1	180	--	--
JINDAL	--	--	18	4400	--	--	1	1000	--	--
BENGALEMTA	--	--	10	2170	--	--	--	--	--	--
APMDTC	--	--	2	300	--	--	--	--	3	10
BLAI	--	--	14	800	--	--	--	--	10	30
ICML	--	--	7	1674	--	--	--	--	--	--
INDAL	--	--	--	--	--	--	--	--	--	--
MIL	34	1120	--	--	--	--	--	--	1	5
JNL	9	232	--	--	--	--	--	--	--	--
RASL	--	--	19	2015	--	--	--	--	2	275
SISCL	10	340	6	400	--	--	--	--	--	--
ELCALTD	2	190	--	--	--	--	--	--	--	--
UML	--	--	2	254	--	--	--	--	--	--
ALL INDIA	3147	350887	1404	271353	2251	13175	101	155211	1792	20726

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/suspn. gear	0662	Trailing cables
0223	Falls of persons from cages, skip, etc.	0663	Switch gears, gate end boxes, pommel, etc.
0224	Falling of objects from cages, skip, etc.	0664	Energized machines
0225	Hit by cages, skip, etc.	0665	Power cables other than trailing cables
0228	Overwinding of cages/skip (downgoing)	0669	Other electrical accidents
0229	Other accident due to winding operation		Dust, gas & other combustible material
	Transportation machinery (non winding)	0771	Occurrence of gas
0331	Aerial ropeway	0772	Influx of gas
0332	Rope haulage	0774	Explosion/ignition of gas/dust, etc.
0333	Other rail transportation	0775	Outbreak of fire or spontaneous heating
0334	Conveyors	0776	Well blowout (with fire)
0335	Dumpers	0777	Well blowout (without fire)
0336	Wagon movements	0778	Other combustible material
0339	Wheeled trackless (truck, tanker, etc.)	0779	Other accidents due to dust/gas/fire
	Machinery other than transp. machinery		Falls (other than fall of ground)
0441	Drilling machines	0881	Fall of person from height/into depth
0442	Cutting machines	0882	Fall of persons on the same level
0443	Loading machines	0883	Fall of objects incl. rolling objects
0444	Haulage engine	0889	Other accident due to falls
0445	Winding engine		Other causes
0446	Shovel, dragline, frontend loader, etc.	0991	Irruption of water
0447	Crushing & screening plants	0992	Flying pieces (except due to explosives)
0448	Other heavy earth moving machinery	0993	Drowning in water
0449	Other non-transportation machinery	0994	Buried in sands, etc.
		0995	Bursting/leakage of oil pipe lines
		0999	Unclassified

Statement 5.0 (continued)

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

STATEMENT NO. 5.1

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

Year	Fatal Accidents			Serious Accidents		Rates per thousand Persons Employed		Rates per lakh Manshifts worked		Rates per million Tonnes of Coal raised	
	Number of Accidents	Number of Persons		Number of Accidents	Number of Persons Seriously Injured	Death	Serious Injury	Death	Serious Injury	Death	Serious Injury
		Killed	Seriously Injured			Death	Serious Injury				
1	2	3	4	5	6	7	8	9	10	11	12
1988	159	175	20	771	795	0.32	1.51	0.10	0.49	0.88	4.10
1989	156	177	32	899	914	0.32	1.73	0.11	0.56	0.86	4.58
1990	151	166	23	893	960	0.30	1.79	0.10	0.58	0.78	4.62
1991	138	143	33	803	821	0.26	1.54	0.08	0.50	0.60	3.59
1992	165	183	60	810	834	0.33	1.62	0.11	0.53	0.73	3.58
1993	156	176	22	854	881	0.32	1.65	0.10	0.53	0.68	3.46
1994	156	241	40	717	735	0.46	1.48	0.15	0.47	0.90	2.90
1995	137	219	23	757	790	0.43	1.58	0.14	0.51	0.77	2.86
1996	131	146	20	677	703	0.29	1.43	0.09	0.45	0.48	2.38
1997	143	165	22	678	704	0.33	1.44	0.10	0.46	0.52	2.29
1998	128	146	18	523	542	0.30	1.14	0.10	0.37	0.46	1.75
1999	127	138	21	595	629	0.29	1.37	0.09	0.44	0.44	2.06
2000	117	144	28	661	679	0.31	1.54	0.10	0.49	0.43	2.11
2001	105	141	14	667	706	0.32	1.64	0.10	0.53	0.41	2.10
2002	81	97	15	629	650	0.23	1.57	0.07	0.50	0.27	1.83
2003	83	113	12	563	578	0.27	1.42	0.09	0.45	0.30	1.56
2004	87	96	14	962	977	0.24	2.45	0.07	0.77	0.23	2.42
2005	96	117	19	1106	1119	0.29	2.85	0.09	0.91	0.28	2.70
2006	78	137	15	861	876	0.36	2.31	0.11	0.73	0.32	2.07
2007	76	78	11	923	940	0.21	2.51	0.06	0.78	0.16	1.98
2008	80	93	16	686	693	0.25	1.92	0.08	0.59	0.18	1.40
2009	83	93	14	636	646	0.25	1.76	0.08	0.55	0.17	1.18
2010	97	118	23	480	488	0.32	1.38	0.10	0.43	0.20	0.85

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
1987	0.29	0.39	0.44	0.15	0.32	1.66	2.29	0.59	1.08	1.72
1988	0.29	0.36	0.45	0.20	0.32	1.40	1.97	0.58	0.99	1.51
1989	0.29	0.39	0.42	0.17	0.32	1.64	2.21	1.11	1.04	1.73
1990	0.27	0.33	0.42	0.20	0.30	1.63	2.38	1.16	0.96	1.79
1991	0.25	0.26	0.39	0.20	0.26	1.45	1.96	1.00	0.98	1.54
1992	0.30	0.39	0.52	0.16	0.33	1.46	2.14	0.79	1.01	1.62
1993	0.29	0.39	0.37	0.19	0.32	1.56	2.19	0.83	1.01	1.65
1994	0.30	0.59	0.64	0.15	0.46	1.37	2.08	0.86	0.67	1.48
1995	0.27	0.60	0.38	0.13	0.43	1.47	2.07	1.05	0.93	1.58
1996	0.26	0.31	0.42	0.19	0.29	1.34	1.83	1.10	0.86	1.43
1997	0.28	0.41	0.42	0.14	0.33	1.35	1.71	1.25	1.05	1.44
1998	0.26	0.36	0.35	0.16	0.30	1.06	1.41	1.06	0.70	1.14
1999	0.27	0.33	0.43	0.16	0.29	1.25	1.73	1.19	0.81	1.37
2000	0.26	0.30	0.74	0.13	0.31	1.44	1.92	1.67	0.82	1.54
2001	0.24	0.43	0.38	0.10	0.32	1.52	2.10	1.12	1.07	1.64
2002	0.19	0.27	0.32	0.11	0.23	1.49	2.07	1.43	0.80	1.57
2003	0.20	0.33	0.35	0.13	0.27	1.35	1.85	1.30	0.77	1.42
2004	0.21	0.27	0.47	0.05	0.24	2.37	3.69	1.24	1.02	2.45
2005	0.20	0.34	0.42	0.15	0.29	2.27	4.23	1.45	1.37	2.85
2006	0.20	0.52	0.33	0.09	0.36	2.23	3.40	1.30	1.11	2.31
2007	0.20	0.13	0.46	0.14	0.21	2.43	3.91	1.10	1.15	2.51
2008	0.22	0.21	0.45	0.18	0.25	1.86	2.87	0.98	0.92	1.92
2009	0.22	0.25	0.40	0.14	0.25	1.70	2.72	0.67	0.93	1.76
2010	0.26	0.33	0.51	0.15	0.32	1.30	2.03	0.83	0.68	1.38

STATEMENT NO. 5.3

Causewise Trend of Fatal Accidents in Coal Mines

Cause / Year	2005	2006	2007	2008	2009	2010
1. GROUND MOVEMENT						
Fall of Roof	18 (25)	13 (22)	13 (13)	14 (17)	17 (21)	15 (18)
Fall of Side	7 (7)	4 (4)	4 (4)	6 (6)	8 (9)	6 (7)
Other Ground Movement	--	1 (1)	--	1 (5)	1 (2)	1 (1)
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	--	3 (3)	--	1 (1)	--	--
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	12 (12)	9 (9)	4 (4)	4 (4)	5 (5)	3 (4)
Wheeled Trackless Transp.	18 (19)	11 (12)	24 (26)	22 (23)	22 (22)	34 (36)
Other Transp. Machinery	4 (4)	5 (5)	1 (1)	2 (2)	4 (4)	4 (4)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	15 (15)	8 (8)	12 (12)	10 (10)	15 (15)	7 (7)
5. EXPLOSIVES	2 (2)	--	1 (1)	1 (1)	--	2 (16)
6. ELECTRICITY	4 (4)	3 (3)	4 (4)	5 (6)	2 (2)	8 (8)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	--	4 (53)	2 (2)	2 (6)	2 (4)	1 (1)
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	7 (7)	4 (4)	3 (3)	6 (6)	2 (2)	6 (6)
Fall of Objects	6 (6)	8 (8)	4 (4)	4 (4)	2 (2)	4 (4)
Other Falls	1 (1)	--	2 (2)	--	--	--
9. OTHER CAUSES						
Irruption of Water	1 (14)	--	--	--	--	--
Flying Pieces	--	--	1 (1)	--	--	--
Miscellaneous	1 (1)	5 (5)	1 (1)	2 (2)	3 (5)	6 (6)
T O T A L	96 (117)	78 (137)	76 (78)	80 (93)	83 (93)	97 (118)
B E L O W G R O U N D :	50 (70)	44 (102)	25 (25)	32 (39)	39 (46)	41 (60)
O P E N C A S T :	28 (29)	24 (25)	35 (37)	29 (35)	29 (32)	40 (42)
A B O V E G R O U N D :	18 (18)	10 (10)	16 (16)	19 (19)	15 (15)	16 (16)

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

STATEMENT NO. 5.4

Causewise Trend of Serious Accidents in Coal Mines

Cause / Year	2005	2006	2007	2008	2009	2010
1. GROUND MOVEMENT						
Fall of Roof	38 (56)	27 (39)	32 (38)	30 (33)	28 (36)	17 (24)
Fall of Side	45 (45)	28 (30)	38 (40)	39 (40)	29 (32)	36 (37)
Other Ground Movement	1 (1)	1 (1)	--	--	--	0 (1)
2. TRANSPORTATION MACHINERY (WINDING IN SHAFT)	2 (2)	5 (7)	2 (11)	--	3 (4)	--
3. TRANSPORTATION MACHINERY (OTHER THAN WINDING IN SHAFT)						
Rope Haulage	168 (168)	178 (180)	131 (131)	90 (90)	72 (73)	37 (44)
Wheeled Trackless Transp.	34 (38)	41 (52)	32 (36)	20 (22)	24 (28)	22 (27)
Other Transp. Machinery	16 (16)	48 (48)	35 (35)	16 (16)	7 (7)	13 (13)
4. MACHINERY OTHER THAN TRANSPORTATION MACHINERY	46 (46)	54 (54)	79 (81)	40 (42)	36 (37)	24 (24)
5. EXPLOSIVES	5 (6)	1 (1)	4 (4)	1 (1)	3 (5)	5 (11)
6. ELECTRICITY	5 (12)	5 (5)	3 (6)	--	2 (2)	3 (3)
7. GAS, DUST & OTHER COMBUSTIBLE MATERIAL	--	1 (1)	1 (1)	0 (14)	1 (2)	--
8. FALL (OTHER THAN FALLS OF GROUND)						
Fall of Persons	284 (285)	221 (221)	268 (268)	202 (203)	194 (196)	133 (133)
Fall of Objects	264 (265)	153 (154)	185 (186)	146 (146)	108 (109)	84 (86)
Other Falls	2 (2)	1 (1)	3 (4)	3 (3)	7 (7)	4 (4)
9. OTHER CAUSES						
Irruption of Water	--	--	--	--	1 (1)	--
Flying Pieces	2 (2)	2 (2)	1 (1)	1 (1)	--	--
Miscellaneous	194 (194)	95 (95)	109 (109)	98 (98)	121 (121)	102 (104)
T O T A L	1106 (1138)	861 (891)	923 (951)	686 (709)	636 (660)	480 (511)
B E L O W G R O U N D :	843 (867)	646 (665)	717 (735)	516 (536)	490 (506)	348 (370)
O P E N C A S T :	98 (101)	88 (99)	83 (88)	74 (76)	50 (54)	62 (69)
A B O V E G R O U N D :	165 (170)	127 (127)	123 (128)	96 (97)	96 (100)	70 (72)

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	2004	2005	2006	2007	2008	2009	2010
1.	Overwinding of cages, skip or bucket	--	2	--	--	--	5	2
2.	Spontaneous heating of coal in underground	3	14	1	2	5	--	5
3.	Spontaneous heating of coal on surface	1	--	1	3	--	--	--
4.	Spontaneous heating of coal in opencast	--	--	--	--	1	3	--
5.	Outbreak of fire underground from spontaneous heating	2	1	--	--	--	--	1
6.	Outbreak of fire underground from causes other than spontaneous heating	2	1	--	1	--	2	--
7.	Outbreak of fire in quarry from causes other than spontaneous heating	1	2	--	--	--	--	--
8.	Outbreak of fire on surface from causes other than spontaneous heating	1	--	1	--	--	--	1
9.	Premature collapse of workings or failure of pillars	--	2	1	2	--	2	2
10.	Influx of noxious gases	2	3	2	2	--	3	2
11.	Breakege of winding rope	--	1	--	--	1	1	1
12.	Breakdown of winding engine, crank shaft, bearing etc.	1	3	2	--	1	--	--
13.	Ignition or occurence of inflammable gas	--	--	1	1	--	--	--
14.	Breakage, fracture or failure of essential parts of machinery or apparatus whereby safety of persons was endangered	1	6	3	4	3	--	--
15.	Irruption of water	1	2	1	--	3	--	1
16.	Subsidence	1	--	--	1	1	--	--
17.	Explosives	2	--	3	3	2	--	--
18.	Others	6	3	7	5	7	12	10
Total		24	40	23	24	24	28	25

STATEMENT NO. 5.6a
**Number of accidents and placewise casualties/seriously injured persons in
coal mines by state and district during the year 2010**

Sl. No.	Mineral/State/ District	Number of Accidents		No. of Persons Killed					No. of Persons Seriously Injured										
				Below Ground		Opencast		Above Ground		Total		Below Ground		Opencast		Above Ground		Total	
		Fatal	Serious	M	M	F	M	F	M	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	5	109		5	0	0	0	0	5	99	1	0	12	0	112			
	Karimnagar	3	93		2	2	0	1	0	5	69	13	0	19	0	101			
	Khammam	2	40		1	1	0	0	0	2	26	6	0	8	0	40			
	Warangal	1	39		1	0	0	0	0	1	36	0	0	3	0	39			
	TOTAL : ANDHRA PRADESH	11	281		9	3	0	1	0	13	230	20	0	42	0	292			
	ASSAM																		
	Tinsukia	1	0		0	1	0	0	0	1	0	0	0	0	0	0			
	TOTAL : ASSAM	1	0		0	1	0	0	0	1	0	0	0	0	0	0			
	CHHATTISGARH																		
	Bilaspur	1	1		1	0	0	0	0	1	2	0	0	0	0	0	2		
	Surguja	1	9		0	0	0	1	0	1	8	0	0	1	0	9			
	Korea	5	4		19	0	0	0	0	19	9	0	0	0	0	9			
	Korba	5	10		3	0	0	2	0	5	6	4	0	0	0	0	10		
	TOTAL : CHHATTISGARH	12	24		23	0	0	3	0	26	25	4	0	1	0	30			
	JHARKHAND																		
	Deoghar	2	0		0	2	0	0	0	2	0	0	0	0	0	0			
	DHANBAD	14	32		7	7	0	0	0	14	27	4	0	5	0	36			
	Godda	2	2		0	1	0	1	0	2	0	2	0	0	0	2			
	Hazaribagh	4	4		2	2	0	1	0	5	1	2	0	1	0	4			
	Ranchi	0	1		0	0	0	0	0	0	0	1	0	0	0	1			
	Bokaro	4	3		0	4	0	1	0	5	0	1	0	3	0	4			
	TOTAL : JHARKHAND	26	42		9	16	0	3	0	28	28	10	0	9	0	47			

Statement 5.6a continued...

SI. 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			
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16		
		MADHYA PRADESH																
	Betul		3	0	5	0	0	0	0	5	1	0	0	0	0	1		
	Chhindwara		2	13	1	1	0	0	0	2	11	1	0	2	0	14		
	Shahdol		1	12	0	1	0	0	0	1	9	4	0	1	0	14		
	Sidhi		0	1	0	0	0	0	0	0	0	1	0	0	0	1		
	Umaria		2	2	2	0	0	0	0	2	3	0	0	0	0	3		
	Anuppur		4	6	4	0	0	0	0	4	6	1	0	0	0	7		
	Singrauli		6	5	0	6	0	0	0	6	0	5	0	0	0	5		
	TOTAL : MADHYA PRADESH		18	39	12	8	0	0	0	20	30	12	0	3	0	45		
		MAHARASHTRA																
	Chandrapur		2	10	0	2	0	0	0	2	3	6	0	1	0	10		
	Nagpur		6	10	2	3	0	2	0	7	9	3	0	0	0	12		
	Yavatmal		0	7	0	0	0	0	0	0	1	3	0	3	0	7		
	TOTAL : MAHARASHTRA		8	27	2	5	0	2	0	9	13	12	0	4	0	29		
		ORISSA																
	Angul		1	5	0	1	0	0	0	1	2	3	0	0	0	5		
	Jharsuguda		1	1	0	1	0	0	0	1	0	0	0	1	0	1		
	TOTAL : ORISSA		2	6	0	2	0	0	0	2	2	3	0	1	0	6		
		UTTAR PRADESH																
	Sonebhadra		6	4	0	3	0	3	0	6	0	3	0	1	0	4		
	TOTAL : UTTAR PRADESH		6	4	0	3	0	3	0	6	0	3	0	1	0	4		
		WEST BENGAL																
	Burdwan		10	51	5	2	0	3	0	10	41	2	0	8	0	51		
	Purulia		0	1	0	0	0	0	0	0	1	0	0	0	0	1		
	TOTAL : WEST BENGAL		10	52	5	2	0	3	0	10	42	2	0	8	0	52		
		ALL INDIA : COAL			94	475	60	40	0	15	0	115	370	66	0	69	0	505

Statement 5.6a continued...

Sl. No.	Mineral/State/ District		Number of Accidents	No. of Persons Killed						No. of Persons Seriously Injured							
				Below Ground		Opencast		Above Ground		Total	Below Ground		Opencast		Above Ground		Total
				Fatal	Serious	M	M	F	M		M	M	F	M	F		
1	2		3	4	5	6	7	8	9	10	11	12	13	14	15	16	
2.	LIGNITE																
	RAJASTHAN																
	Bikaner		1	2	0	1	0	0	0	1	0	2	0	0	0	2	
	TOTAL : RAJASTHAN		1	2	0	1	0	0	0	1	0	2	0	0	0	2	
	TAMIL NADU																
	Cuddalore		2	3	0	1	0	1	0	2	0	1	0	3	0	4	
	TOTAL : TAMIL NADU		2	3	0	1	0	1	0	2	0	1	0	3	0	4	
	ALL INDIA : LIGNITE		3	5	0	2	0	1	0	3	0	3	0	3	0	6	
	ALL INDIA : ALL COAL		97	480	60	42	0	16	0	118	370	69	0	72	0	511	

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 2010

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				
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1. COAL													
ANDHRA PRADESH													
	Adilabad	0.27	...	...	0.22	5.28	0.45	7.87	4.97	0.07	1.64	0.41	9.23
	Karimnagar	0.10	0.38	0.29	0.18	3.56	2.45	5.59	3.60	0.06	1.15	0.17	3.37
	Khammam	0.23	0.23	...	0.15	6.03	1.37	1.80	3.04	0.05	0.98	0.06	1.30
	Warangal	0.21	...	...	0.17	7.40	...	7.94	6.56	0.06	2.16	0.52	20.27
TOTAL : ANDHRA PRADESH		0.19	0.24	0.10	0.19	4.86	1.58	4.31	4.19	0.06	1.36	0.17	3.90
ASSAM													
	Tinsukia	...	1.16	...	0.47	...	...	...	...	0.15	...	0.94	...
TOTAL : ASSAM		...	1.16	...	0.47	...	...	...	...	0.15	...	0.94	...
CHHATTISGARH													
	Bilaspur	1.82	...	...	1.52	3.64	...	...	3.04	0.43	0.85	4.21	8.43
	Surguja	...	...	0.75	0.14	1.78	...	0.75	1.23	0.04	0.34	0.15	1.35
	Korea	2.98	...	...	2.26	1.41	...	...	1.07	0.65	0.31	4.48	2.12
	Korba	0.80	...	0.49	0.48	1.60	1.55	...	0.96	0.14	0.28	0.06	0.13
TOTAL : CHHATTISGARH		1.30	...	0.36	0.82	1.41	0.74	0.12	0.95	0.24	0.28	0.21	0.25
JHARKHAND													
	Deoghar	...	3.23	...	1.49	...	...	...	...	0.42	...	1.45	...
	DHANBAD	0.22	0.78	...	0.24	0.84	0.45	0.30	0.62	0.08	0.20	0.38	0.98
	Godda	...	1.52	0.98	1.19	...	3.04	...	1.19	0.40	0.40	0.18	0.18
	Hazaribagh	0.40	0.34	0.15	0.29	0.20	0.34	0.15	0.23	0.09	0.07	0.27	0.22
	Ranchi	...	...	...	...	...	1.02	...	0.39	...	0.11	...	0.16
	Bokaro	...	0.88	0.30	0.45	...	0.22	0.91	0.36	0.15	0.12	0.39	0.31
TOTAL : JHARKHAND		0.22	0.68	0.10	0.29	0.68	0.43	0.29	0.49	0.09	0.16	0.24	0.41
MADHYA PRADESH													
	Betul	1.26	...	...	1.05	0.25	...	...	0.21	0.31	0.06	1.59	0.32
	Chhindwara	0.18	2.68	...	0.27	2.03	2.68	1.18	1.87	0.08	0.59	0.56	3.91
	Shahdol	...	0.69	...	0.06	0.82	2.75	0.21	0.81	0.02	0.24	0.08	1.18
	Sidhi	...	...	...	...	...	0.19	...	0.11	...	0.03	...	0.03
	Umaria	0.70	...	...	0.53	1.05	...	...	0.79	0.16	0.24	1.81	2.71
	Anuppur	7.52	...	...	5.19	11.28	11.11	...	9.09	1.42	2.49	5.93	10.37
	Singrauli	...	15.92	...	10.79	...	13.26	...	8.99	3.45	2.88	1.79	1.49
TOTAL : MADHYA PRADESH		0.50	1.04	...	0.46	1.26	1.57	0.24	1.03	0.14	0.31	0.34	0.76

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	...	0.72	...	0.14	0.62	2.16	0.16	0.71	0.04	0.20	0.11	0.54
	Nagpur	0.47	2.99	0.87	0.93	2.13	2.99	...	1.59	0.29	0.49	0.91	1.56
	Yavatmal	...	...	...	...	1.39	1.20	1.89	1.45	...	0.44	...	0.54
TOTAL : MAHARASHTRA		0.21	0.80	0.19	0.34	1.33	1.91	0.39	1.10	0.10	0.32	0.23	0.74
ORISSA													
	Angul	...	0.20	...	0.10	1.29	0.60	...	0.49	0.03	0.15	0.02	0.09
	Jharsuguda	...	0.38	...	0.13	...	...	0.48	0.13	0.04	0.04	0.03	0.03
TOTAL : ORISSA		...	0.24	...	0.11	0.44	0.35	0.17	0.32	0.03	0.09	0.02	0.06
UTTAR PRADESH													
	Sonebhadra	...	0.61	1.02	0.77	...	0.61	0.34	0.51	0.24	0.16	0.21	0.14
TOTAL : UTTAR PRADESH		...	0.61	1.02	0.77	...	0.61	0.34	0.51	0.24	0.16	0.21	0.14
WEST BENGAL													
	Burdwan	0.14	0.49	0.18	0.18	1.16	0.49	0.47	0.90	0.06	0.28	0.47	2.39
	Purulia	...	...	...	...	1.04	...	...	0.67	...	0.22	...	5.20
TOTAL : WEST BENGAL		0.14	0.47	0.17	0.17	1.14	0.47	0.45	0.88	0.05	0.28	0.46	2.39
ALL INDIA : COAL													
2. LIGNITE		0.33	0.54	0.15	0.32	2.03	0.89	0.69	1.42	0.10	0.44	0.20	0.89
RAJASTHAN													
	Bikaner	...	3.88	...	3.76	...	7.75	...	7.52	1.04	2.07	2.25	4.50
TOTAL : RAJASTHAN		...	2.52	...	2.03	...	5.04	...	4.06	0.61	1.21	0.67	1.34
TAMIL NADU													
	Cuddalore	...	0.16	0.21	0.18	...	0.16	0.63	0.36	0.06	0.11	0.09	0.18
TOTAL : TAMIL NADU		...	0.16	0.21	0.18	...	0.16	0.63	0.36	0.06	0.11	0.09	0.18
ALL INDIA : LIGNITE													
ALL INDIA : ALL COAL		...	0.23	0.18	0.21	...	0.34	0.54	0.42	0.06	0.13	0.08	0.16

STATEMENT NO. 5.7a

Number of accidents and placewise casualties/seriously injured persons in coal mines for different companies in 2010

Company	Number of Accidents		Number of Persons Killed						Number of Persons Seriously Injured											
			Below Ground			Opencast		Above Ground		Total		Below Ground			Opencast		Above Ground		Total	
	Fatal	Serious	Male	Male	Female	Male	Female	Male	Female	Male	10	11	12	Male	Male	Female	Male	Female		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15						
BCCL	7	25	1	6	0	0	0	7	21	4	0	4	0	29						
CCL	8	8	2	6	0	2	0	10	1	4	0	4	0	9						
ECL	13	57	5	4	0	4	0	13	44	4	0	9	0	57						
MCL	2	6	0	2	0	0	0	2	2	3	0	1	0	6						
NCL	12	10	0	9	0	3	0	12	0	9	0	1	0	10						
NEC	1	0	0	1	0	0	0	1	0	0	0	0	0	0						
SECL	19	43	29	1	0	3	0	33	43	8	0	2	0	53						
WCL	13	40	8	6	0	2	0	16	25	13	0	6	0	44						
TOTAL : C. I. L.	75	189	45	35	0	14	0	94	136	45	0	27	0	208						
IISCO	3	4	2	1	0	0	0	3	4	0	0	0	0	4						
NLC	3	5	0	2	0	1	0	3	0	3	0	3	0	6						
SCCL	11	281	9	3	0	1	0	13	230	20	0	42	0	292						
TISCO	4	0	4	0	0	0	0	4	0	0	0	0	0	0						
PIL	0	1	0	0	0	0	0	0	0	1	0	0	0	1						
ICML	1	0	0	1	0	0	0	1	0	0	0	0	0	0						
TOTAL : NON-C. I. L.	22	291	15	7	0	2	0	24	234	24	0	45	0	303						
TOTAL : ALL INDIA	97	480	60	42	0	16	0	118	370	69	0	72	0	511						

STATEMENT NO. 5.7b
Casualty/serious injury rates in coal mines for different companies in 2010

Company	Death Rate per Thousand Persons Employed				Serious Injury Rate per Thousand Persons Employed				Rate per Lakh Manshift		Rate per Million Tonnes of Coal	
	B. G.	O. C.	A. G.	Overall	B. G.	O. C.	A. G.	Overall	Death	S/Inj.	Death	S/Inj.
1	2	3	4	5	6	7	8	9	10	11	12	13
BCCL	0.04	0.69	...	0.15	0.89	0.46	0.28	0.62	0.05	0.20	0.21	0.87
CCL	0.24	0.55	0.17	0.33	0.12	0.37	0.34	0.29	0.10	0.09	0.21	0.19
ECL	0.13	0.93	0.19	0.20	1.12	0.93	0.43	0.89	0.06	0.28	0.35	1.55
MCL	...	0.24	...	0.11	0.44	0.36	0.17	0.32	0.03	0.10	0.02	0.06
NCL	...	0.86	0.45	0.70	...	0.86	0.15	0.58	0.21	0.18	0.18	0.15
NEC	...	1.16	...	0.47	...	...	...	...	0.15	...	0.94	...
SECL	0.96	0.17	0.22	0.67	1.43	1.39	0.15	1.07	0.19	0.31	0.30	0.49
WCL	0.42	0.94	0.16	0.42	1.32	2.04	0.47	1.16	0.13	0.35	0.37	1.01
TOTAL : C. I. L.	0.36	0.63	0.16	0.35	1.09	0.81	0.31	0.78	0.11	0.24	0.21	0.47
IISCO	1.50	1.75	...	1.16	3.00	...	...	1.54	0.38	0.50	2.43	3.23
NLC	...	0.31	0.21	0.26	...	0.46	0.62	0.53	0.08	0.16	0.13	0.26
SCCL	0.19	0.24	0.10	0.19	4.86	1.58	4.31	4.19	0.06	1.36	0.17	3.90
TISCO	0.71	...	...	0.51	...	...	...	...	0.17	...	0.39	...
PIL	...	...	...	...	...	5.41	...	4.29	...	1.41	...	1.00
ICML	...	1.13	...	0.82	...	...	...	...	0.27	...	0.32	...
TOTAL : NON-C. I. L.	0.26	0.26	0.10	0.23	4.09	0.89	2.35	2.93	0.07	0.95	0.15	1.86
TOTAL : ALL INDIA	0.33	0.51	0.15	0.32	2.03	0.83	0.68	1.38	0.10	0.43	0.20	0.85

- Placewise employment figures not available.

STATEMENT NO. 5.8

Number of accidents and casualties/seriously injured persons in coal mines by place and detailed cause in 2010

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	15	18	6	17	18	0	0	0	0	0	0	0	0	0	0	15	18	6	17	18
Fall of Sides (Other than Overhangs)	6	7	0	34	35	0	0	0	1	1	0	0	0	0	0	6	7	0	35	36
Fall of Overhangs	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Landslide	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	0	0
TOTAL : GROUND MOVEMENT	21	25	6	52	54	1	1	1	1	1	0	0	0	0	0	22	26	7	53	55
Aerial Ropeway	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Rope Haulage	3	4	7	35	35	0	0	0	1	1	0	0	0	1	1	3	4	7	37	37
Conveyors	3	3	0	10	10	0	0	0	0	0	1	1	0	2	2	4	4	0	12	12
Dumpers	0	0	0	0	0	19	19	3	8	8	5	5	0	4	4	24	24	3	12	12
Wheeled Trackless (Truck, Tanker, etc.)	0	0	0	1	1	9	11	1	5	5	1	1	0	4	5	10	12	1	10	11
TOTAL : TRANSPORTATION MACHINERY (NON-WINDING)	6	7	7	47	47	28	30	4	14	14	7	7	0	11	12	41	44	11	72	73
Drilling Machines	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	1	1
Cutting Machines	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
Loading Machines	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0
Winding Engine	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1
Shovel, Draglines, Frontend Loader, etc.	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0
Other Heavy Earth Moving Machinery	0	0	0	1	1	1	1	0	3	3	0	0	0	2	2	1	1	0	6	6
Other Non-Transportation Machinery	0	0	0	13	13	0	0	0	2	2	0	0	0	1	1	0	0	0	16	16
TOTAL : MACHINERY OTHER THAN TRANSP. MACHINERY	4	4	0	15	15	2	2	0	5	5	1	1	0	4	4	7	7	0	24	24
Solid Blasting Projectiles	0	0	0	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	2	2
Deep Hole Blasting Projectiles	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	1	1	0	1	1
Other Explosive Accidents	1	15	5	1	2	0	0	0	1	1	0	0	0	0	0	1	15	5	2	3
TOTAL : EXPLOSIVES	1	15	5	2	3	1	1	0	3	3	0	0	0	0	0	2	16	5	5	6

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
Overhead Lines	0	0	0	0	0	2	2	0	0	0	5	5	0	0	0	7	7	0	0	0
Switch Gears, Gate End Boxes, Pommel, etc.	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1
Other Electrical Accidents	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	2	2
TOTAL : ELECTRICITY	1	1	0	1	1	2	2	0	1	1	5	5	0	1	1	8	8	0	3	3
Other Accidents due to Dust/Gas/Fire	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
TOTAL : DUST, GAS & OTHER COMBUSTIBLE MATERIAL	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0
Fall of Person from Height/into Depth	2	2	0	85	85	1	1	0	19	19	2	2	0	20	20	5	5	0	124	124
Fall of Persons on the Same Level	1	1	0	7	7	0	0	0	2	2	0	0	0	0	0	1	1	0	9	9
Fall of Objects incl. Rolling Objects	2	2	0	58	59	2	2	0	13	13	0	0	0	13	14	4	4	0	84	86
Other Accidents due to Falls	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	4	4
TOTAL : FALLS (OTHER THAN FALL OF GROUND)	5	5	0	154	155	3	3	0	34	34	2	2	0	33	34	10	10	0	221	223
Drowning in Water	2	2	0	0	0	2	2	0	0	0	0	0	0	0	0	4	4	0	0	0
Unclassified	1	1	0	77	77	0	0	0	4	6	1	1	0	21	21	2	2	0	102	104
TOTAL : OTHER CAUSES	3	3	0	77	77	2	2	0	4	6	1	1	0	21	21	6	6	0	102	104
ALL INDIA : ALL COAL	41	60	18	348	352	40	42	5	62	64	16	16	0	70	72	97	118	23	480	488

STATEMENT NO. 5.9

Number of fatal accidents in coal mines by major cause and responsibility during the year 2010

Responsibility / Major Cause Group	1	2	3	4	5	6	7	8	9	Total
Misadventure	-	-	1	-	-	-	1	2	1	5
Management	2	-	4	-	-	-	-	3	1	10
Management & Sub. Sup. Staff (SSS)	8	-	5	1	-	3	-	3	2	22
Management, SSS & Coworker	2	-	3	-	-	-	-	-	-	5
Management, SSS, Coworker, Deceased & Deceased	1	-	3	1	-	-	-	-	-	5
Management, SSS & Deceased	3	-	-	-	-	-	-	-	-	3
Management & Shotfirer	-	-	-	-	1	-	-	-	-	1
Management & Coworker	-	-	5	1	-	-	-	-	-	6
Management, Coworker & Deceased	-	-	1	-	-	-	-	-	1	2
Management & Deceased	-	-	1	-	-	-	-	-	-	1
Subordinate Supervisory Staff (SSS)	3	-	-	2	-	3	-	1	1	10
SSS, Shotfirer, Coworker, Deceased & Deceased	1	-	-	-	-	-	-	-	-	1
Sub. Sup. Staff & Coworker	1	-	1	-	-	-	-	-	-	2
Sub. Sup. Staff, Coworker & Deceased	-	-	-	1	-	-	-	-	-	1
Coworker	-	-	5	1	-	-	-	-	-	6
Coworker & Deceased	-	-	3	-	-	-	-	-	-	3
Deceased	1	-	9	-	-	2	-	1	-	13
Others	-	-	-	-	1	-	-	-	-	1
Total	22	0	41	7	2	8	1	10	6	97

□

STATEMENT NO. 5.10

Causewise number of fatal accidents in coal mines for different companies in 2010

Cause/Company	BCCL	CCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL
Fall of Roof	--	--	1	--	--	--	9	4	14	1	--	--	--	--	15
Killed-S/Injured :	--	--	1- 0	--	--	--	9- 3	7- 3	17- 6	1- 0	--	--	--	--	18- 6
Fall of Sides	--	1	1	--	--	--	2	--	4	2	--	--	--	--	6
Killed-S/Injured :	--	2- 0	1- 0	--	--	--	2- 0	--	5- 0	2- 0	--	--	--	--	7- 0
Rope Haulage	--	--	--	--	--	--	--	--	--	3	--	--	--	--	3
Killed-S/Injured :	--	--	--	--	--	--	--	--	4- 7	--	--	--	--	--	4- 7
Dumpers	5	3	4	1	7	--	1	1	22	--	1	1	--	--	24
Killed-S/Injured :	5- 3	3- 0	4- 0	1- 0	7- 0	--	1- 0	1- 0	22- 3	--	1- 0	1- 0	--	--	24- 3
Trucks	--	2	--	1	1	1	--	2	7	2	--	1	--	--	10
Killed-S/Injured :	--	3- 1	--	1- 0	1- 0	1- 0	--	2- 0	8- 1	3- 0	--	1- 0	--	--	12- 1
Other Machinery	1	--	2	--	--	--	2	2	7	2	--	1	1	--	11
Killed-S/Injured :	1- 0	--	2- 0	--	--	--	2- 0	2- 0	7- 0	2- 0	--	1- 0	1- 0	--	11- 0
Explosives	--	--	--	--	--	--	1	1	2	--	--	--	--	--	2
Killed-S/Injured :	--	--	--	--	--	--	15- 5	1- 0	16- 5	--	--	--	--	--	16- 5
Fall of Persons	--	1	1	--	1	--	--	1	4	--	2	--	--	--	6
Killed-S/Injured :	--	1- 0	1- 0	--	1- 0	--	--	1- 0	4- 0	--	2- 0	--	--	--	6- 0
Fall of Objects	--	--	1	--	1	--	1	--	3	--	--	--	1	--	4
Killed-S/Injured :	--	--	1- 0	--	1- 0	--	1- 0	--	3- 0	--	--	--	1- 0	--	4- 0
Other Causes	1	1	3	--	2	--	3	2	12	1	--	--	2	1	16
Killed-S/Injured :	1- 0	1- 0	3- 0	--	2- 0	--	3- 0	2- 1	12- 1	1- 0	--	--	2- 0	1- 0	16- 1
Below Ground	1	1	5	--	--	--	15	5	27	8	2	--	4	--	41
Killed-S/Injured :	1- 0	2- 0	5- 0	--	--	--	29- 8	8- 3	45-11	9- 7	2- 0	--	4- 0	--	60-18
Opencast	6	5	4	2	9	1	1	6	34	2	1	2	--	1	40
Killed-S/Injured :	6- 3	6- 1	4- 0	2- 0	9- 0	1- 0	1- 0	6- 1	35- 5	3- 0	1- 0	2- 0	--	1- 0	42- 5
Above Ground	--	2	4	--	3	--	3	2	14	1	--	1	--	--	16
Killed-S/Injured :	--	2- 0	4- 0	--	3- 0	--	3- 0	2- 0	14- 0	1- 0	--	1- 0	--	--	16- 0
TOTAL	7	8	13	2	12	1	19	13	75	11	3	3	4	1	97
Killed-S/Injured :	7- 3	10- 1	13- 0	2- 0	12- 0	1- 0	33- 8	16- 4	94-16	13- 7	3- 0	3- 0	4- 0	1- 0	118-23

STATEMENT NO. 5.11

Causewise number of serious accidents in coal mines for different companies in 2010

Cause/Company	BCCL	GCL	ECL	MCL	NCL	NEC	SECL	WCL	CIL	SCCL	IISCO	NLC	TISCO	OTHERS	TOTAL	
Fall of Roof	--	1	4	1	--	--	2	1	9	8	--	--	--	--	17	
S/Injured	:	--	1	4	1	--	--	2	1	9	9	--	--	--	18	
Fall of Sides	2	--	6	--	--	--	3	7	18	18	--	--	--	--	36	
S/Injured	:	2	--	6	--	--	3	7	18	19	--	--	--	--	37	
Rope Haulage	2	--	3	--	--	--	--	2	7	30	--	--	--	--	37	
S/Injured	:	2	--	3	--	--	--	2	7	30	--	--	--	--	37	
Dumpers	--	3	--	1	3	--	1	1	9	1	--	2	--	--	12	
S/Injured	:	--	3	--	1	3	--	1	1	9	1	--	2	--	12	
Trucks	--	--	--	1	2	--	1	1	5	4	--	1	--	--	10	
S/Injured	:	--	--	1	2	--	1	1	5	4	--	2	--	--	11	
Other Machinery	1	1	6	1	--	--	10	2	21	14	1	1	--	--	37	
S/Injured	:	1	1	6	1	--	10	2	21	14	1	1	--	--	37	
Explosives	--	--	--	--	--	--	1	--	1	3	--	--	--	1	5	
S/Injured	:	--	--	--	--	--	1	--	1	4	--	--	--	1	6	
Fall of Persons	9	3	23	1	2	--	11	9	58	73	1	1	--	--	133	
S/Injured	:	9	3	23	1	2	--	11	9	58	73	1	1	--	--	133
Fall of Objects	6	--	5	1	2	--	7	10	31	51	2	--	--	--	84	
S/Injured	:	7	--	5	1	2	--	7	10	32	52	2	--	--	--	86
Other Causes	5	--	10	--	1	--	7	7	30	79	--	--	--	--	109	
S/Injured	:	5	--	10	--	1	--	9	7	32	79	--	--	--	--	111
Below Ground	21	1	44	2	--	--	35	22	125	219	4	--	--	--	348	
S/Injured	:	21	1	44	2	--	35	22	125	223	4	--	--	--	352	
Opencast	1	3	4	3	9	--	6	12	38	20	--	3	--	1	62	
S/Injured	:	1	3	4	3	9	--	8	12	40	20	--	3	--	1	64
Above Ground	3	4	9	1	1	--	2	6	26	42	--	2	--	--	70	
S/Injured	:	4	4	9	1	1	--	2	6	27	42	--	3	--	--	72
TOTAL	25	8	57	6	10	--	43	40	189	281	4	5	--	1	480	
S/Injured	:	26	8	57	6	10	--	45	40	192	285	4	6	--	1	488

STATEMENT NO. 5.12

Regionwise/zonewise number of accidents and resultant casualties/seriously injured persons in coal mines in 2010

Region / Zone	Fatal Accidents			Serious Accidents	
	2010			2010	
	No. of Accident	Killed	S/Injured	No. of Accident	S/Injured
Dhanbad I	5	5	3	9	10
Dhanbad II	4	4	--	6	6
Dhanbad III	5	5	--	14	14
Koderma	4	5	1	3	3
Central Zone	18	19	4	32	33
Guwahati	1	1	--	--	--
Sitarampur I	4	4	--	19	19
Sitarampur II	5	5	--	17	17
Sitarampur III	5	5	--	21	21
Eastern Zone	15	15	--	57	57
Ajmer	2	2	--	2	2
Jabalpur	--	--	--	3	3
Northern Zone	2	2	--	5	5
Hyderabad I	5	7	7	159	159
Hyderabad II	3	3	--	98	101
South-Central Zone	8	10	7	257	260
Bhubaneswar	2	2	--	6	6
Ranchi	4	5	--	5	5
South-Eastern Zone	6	7	--	11	11
Chennai	2	2	--	3	4
Hyderabad I	1	1	--	13	14
Hyderabad II	2	2	--	11	11
Southern Zone	5	5	--	27	29
Bilaspur	12	26	6	24	24
Jabalpur	18	18	2	27	29
Nagpur I	11	14	4	23	23
Nagpur II	2	2	--	17	17
Western Zone	43	60	12	91	93
ALL INDIA	97	118	23	480	488

STATEMENT NO. 5.13

Summary of Findings of Fatal Accidents during the year, 2010

Code : 0100	Ground Movement
Code : 0111	Fall of Roof (18 Deaths)

1. Date – 02/01/10 Mine – SHANKARPUR
Time – 12. 00 Owner – Eastern Coalfields Ltd.
 Dist. – Burdwan, State – West Bengal
Person(s) Killed :
 1. Ismail Mia, Dresser, Male, 40 Years

While a dresser was engaged for dressing coal roof, in an unsupported span of 7.0m in a development gallery, a coal roof measuring 2.6m(length) X 0.6m(width) X 0.20m(thick), parted off and fell from a height of 2.80m, inflicting serious bodily injuries to the dresser, who succumbed to his injuries almost instantly.

Had the roof of the gallery been made and kept supported before engagement of workers, as required by the provisions of Regulation 108 of the Coal Mines Regulations, 1957 read with Systematic Support Rules framed by the manager for development workings, this accident could have been averted.

2. Date – 24/02/10 Mine – BARTARAI
Time – 13. 30 Owner – South Eastern Coalfields Ltd.
 Dist. – Anuppur, State – Madhya Pradesh
Person(s) Killed :
 1. Poshan Das, Support Mistry, Male, 44 Years

While a driller was pulling a drilling cable at the junction in a development district, the stone roof measuring 23m X 4m X 0.3m–0.7m parted and fell from a height of 2.5m along with a number of roofbolts, entrapping the driller under the fall which proved fatal instantly.

Had the roof of the working place been made and kept secure and effective compliance with the provision of the Systematic Support Rules been ensured as required under Regulation 102(1) and Regulation 108(5) of the Coal Mines Regulations, 1957, respectively, this accident could have been averted.

3. Date – 20/03/10 Mine – BALGI PROJECT
Time – 9. 45 Owner – South Eastern Coalfields Ltd.
 Dist. – Korba, State – Chhattisgarh
Person(s) Killed :
 1. Dhani Ram, Explosive Carrier, Male, 47 Years

While an explosive carrier in stooping position was charging a blast hole at the bottom of a development face, a piece of stone measuring about 0.6m X 0.5m X 0.1m detached from the roof and fell from a height of about 2.4m on his neck and he fell face down and got seriously injured to which he succumbed after about 1 hour 25 minutes in the hospital.

Had

- i) the person carefully examined his working place before commencing charging and also at interval during charging of holes as required under Regulation 38(1) read with Regulation 115(2) of the Coal Mines Regulations, 1957,
- ii) the dressing of roof & side of the working place been carried out carefully before deploying persons for charging holes as required under Regulation 38(1) read with Regulation 190 and code of practice for dresser framed by the Manager,
- iii) the roof of working place been carefully examined before commencing charging and also at interval during charging operation as required under Regulation 115(2) of the Coal Mine Regulations, 1957 and
- iv) it been ensured that the roof & sides of the working place was kept properly dressed as required under Regulation 44(3)(a) read with Regulation 102(1) Coal Mine Regulations, 1957 and sub-ordinates officials and competent persons carry out duties in a proper manner by carefully dressing the roof of the working place and supervising the dressing work as required under Regulation 43(1)(d) of the Coal Mine Regulations, 1957,

this accident could have been averted.

4. Date - 03/04/10

Mine - BIRISINGHPUR

Time - 14. 40

Owner - South Eastern Coalfields Ltd.

Dist. - Umaria, State - Madhya Pradesh

Person(s) Killed :

1. Daya Ram, Roof Stitcher, Male, 56 Years

While a roof stitcher was drinking water from a hose pipe, inserted in the crack in a pillar to collect strata water in dip gallery, suddenly shale roof measuring about 1.6m (long) X 0.25 to 0.30m (wide) X 0.21 to 0.27m (thick) fell from a height of about 3.6m and part of it after hitting side of the pillar rebounded and hit him, inflicting serious bodily injuries that proved fatal after four hours and twenty minutes.

Had the roof of the gallery been made and kept secure as required under the provisions of Regulation 102(1) of the Coal Mines Regulations, 1957, this accident could have been averted.

5. Date - 16/04/10

Mine - RAJGAMAR 1&2 (PAWAN INCLINE)

Time - 11. 30

Owner - South Eastern Coalfields Ltd.

Dist. - Bilaspur, State - Chhattisgarh

Person(s) Killed :

1. Kitab Singh, Cableman, Male, 40 Years

While SDL reached the junction of split and original gallery for loading after blasting in a rib of coal left against the original dip gallery, a mass of stone measuring 5m X 3.5m X 0.3m to 1.5m thick separated from a roof and fell from a height of 2.3m over SDL with its one side resting on cog, SDL canopy & blasted coal on dip side and other side on floor on rise side forming a gap from which SDL operator escaped with serious injury but the cableman present just behind SDL was buried below two stone pieces measuring 0.54m X 0.3m X 0.35m and 0.47m X 0.45m X 0.21m along with debris of fall causing head injury to which he succumbed on the spot.

Had

- i) the working place been carefully examined and made safe by dressing the roof properly and supporting it as per SSR after blasting before allowing persons as required under Reg. 176 of CMR, 1957,

Cir. (Tech.) 9/1985, code of practice for dressers framed by the Manager and SSR enclosed with the permission letter no. 1987 dated 27.05.08 granted under Reg. 100(1) of CMR, 1957

ii) the roof of the junction of split and original gallery and goaf edges been supported as per SSR enclosed with the permission letter no. 1987 dated 27.05.2008 granted under Reg. 100(1) of CMR, 1957,

iii) the rib of coal left against the original gallery been reduced judiciously on retreat as per the condition no. 4.3 of the permission letter no. 1987 dated 27.05.2008 granted under Reg. 100(1) of CMR, 1957,

iv) the planes of weakness been identified carefully and the extraction of pillars been planned judiciously as per the condition no. 4.8 of the permission letter no. 1987 dated 27.05.2008 granted under Reg. 100(1) of CMR, 1957 and

v) the convergence indicators and load cells been installed at pillars under extraction for monitoring strata movement necessary for the safety of the mine and persons employed therein as required under Reg. 190 of CMR, 1957,

this accident could have been averted.

6. Date - 23/04/10

Mine - DAMUA

Time - 11.30

Owner - Western Coalfields Ltd.

Dist. - Chhindwara, State - Madhya Pradesh

Person(s) Killed :

1. Manji, Roofbolter, Male, 53 Years

While a roof bolter was making a platform for drilling of holes and a mechanical fitter helper was pumping out face water, in a development heading, a piece of coal measuring 2.0m in length, 0.6m to 0.9m in width and thickness of 0.30m to 0.40m fell from a height of about 2.8m inflicting serious bodily injury to one person which proved fatal after 7 days and serious bodily injury to another.

Had

i) the working place been supported and kept secured as per systematic support rule and

ii) the roof been tested and kept dressed before working beneath the jointed roof thus not negligently omitted to ensure the safety of work persons as required under Regulation 42(01), 43(1) (e), 44(3) (a), 46, 102(1), 108(5) read with Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

7. Date - 23/04/10

Mine - PALKIMARA

Time - 20.10

Owner - South Eastern Coalfields Ltd.

Dist. - Korea, State - Chhattisgarh

Person(s) Killed :

1. Hari, Loader-cum-Dresser, Male, 59 Years

While a loader was shoveling the blasted coal for loading in the basket as a development face, a chunk of stone, measuring about 0.5m long X 0.4m wide X 0.02m to 0.1m thick parted from the roof from a height of 1.7m and fell upon him, inflicting serious bodily injuries to which he succumbed within one hour.

Had the roof been kept secured by dressing and proper support to prevent its fall as required under Regulations 102(1), 108(bb) and 108(5) of CMR, 1957 read with SSR framed thereunder, this accident could have been averted.

8. Date - 24/04/10
Time - 10.45

Mine - INDARAM KHANI 1A
Owner - Singareni Collieries Company Ltd.
Dist. - Adilabad, State - Andhra Pradesh
Person(s) Killed :

1. Sandela Rajaiah, Timberman, Male, 47 Years

While a dresser was dressing the side of an acute angle corner of a junction in development district of a coal mine, a stone piece measuring about 3.6m X 1.15m X 0.5m parted from the roof and fell on him at a height of about 3.5m inflicting serious bodily injuries which proved fatal after few minutes.

Had the roof of the junction been made and kept secure by providing adequate support by roof bolts placed at prescribed interval as required under the provisions of Regulation 108 of the Coal Mines Regulations, 1957 read with condition No. 2.3 of the permission granted by this Directorate under Regulation 126(2) of the Coal Mines Regulations, 1957 vide letter No. HR2/Perm/2009/2455 dated 22.12.2009, the accident could have been averted.

9. Date - 07/06/10
Time - 5.10

Mine - PATHAKHERA NO 2
Owner - Western Coalfields Ltd.
Dist. - Betul, State - Madhya Pradesh
Person(s) Killed :

1. Premshankar Swamy, Sirdar, Male, 57 Years
2. Paras Ram, Support Mistry, Male, 50 Years

While three support men and a dresser were erecting a cog under the supervision of a Sirdar at a depillaring face, strata movement started in the goaf and all the persons tried to escaped through the nearby rise gallery in the depillaring area where a layer of stone measuring 6.4m(length) X 1.6 to 2.5m(width) and having thickness of 0.2m to 0.6m had parted from roof at a height of 3.1m and fell on the sirdar and one of the supportmen who were buried beneath the fall and crushed to death instantaneously. The other three escaped with minor injury.

Had the roof of the rise gallery in the depillaring area been kept supported by full column grouted roof bolts placed in a matrix of 1.5m X 1.2m as required under Rule 4.0 of the Systematic Support Rules enclosed with permission letter No. NR-1/010433/Perm/C/R/20/09/2321 dated 08.12.2009 and cogs set at 2.4m at centre in the above gallery as required by condition 2.0(iii) of the modified Systematic Support Rules vide letter No. NR-1/010433/Modi-Permission/C/A/3/10/672 dated 12.04.2010 this accident could have been averted.

10. Date - 22/06/10
Time - 15.35

Mine - BARTUNGA HILL
Owner - South Eastern Coalfields Ltd.
Dist. - Korea, State - Chhattisgarh
Person(s) Killed :

1. Karimulla, Timberman, Male, 56 Years

While a timberman was erecting a breaker prop at the goaf edge in a depillaring district under the supervision of a Sirdar, a chunk of stone measuring about 0.75m X 0.7m X 0.30m thick parted from the roof from a height of 2.20m, rolled down towards him and buried him inflicting serious bodily injuries to which he succumbed almost instantly. The other two timber mistryies escaped unhurt.

Had

- i) the timberman been vigilant enough while erecting a breaker prop near goaf edge support as required under Regulation 190 read with Regulation 38(1)(a) of CMR, 1957,

ii) the indicator prop been erected in the goaf prior to erection of goaf edge support for predicting the goaf movement as required under Regulation 108(5) read with Regulation 41(9), 42(1) and 43(1)(a) of CMR, 1957 and SSR enclosed with permission letter No. BSP/324, dated 25.01.10, and

iii) the support erection activities been properly supervised as required under Regulation 113(3)(b) and 44(3)(a) of CMR, 1957.

this accident could have been averted.

11. Date - 27/09/10

Mine - SILEWARA

Owner - Western Coalfields Ltd.

Dist. - Nagpur, State - Maharashtra

Person(s) Killed :

1. Jairam Uttamrao, Dresser, Male, 50 Years
 2. Laladhar Chauthi, Loader, Male, 48 Years

While a crew of 3 drillers and a dresser were engaged for drilling of upward holes in a roof ledge at a disturbed junction of a depillaring district in order to dress it down by blasting, suddenly a mass of coal roof, measuring about 7.5m X 4.0m X 1.5m(thick), parted and fell from a height of about 3.5m over them inflicting instantaneous fatal injuries to one driller and one dresser and serious bodily injuries to another driller.

Had

i) the roof ledge at a junction been kept supported with at least two cogs or with cross-bars suitably lagged or with row of steel roof-bolts alongwith W-strap as required under Clause 7 of Annexure-B, the Systematic Support Rules granted Regulation 108 of the CMR, 1957 along with the Permission Letter No. NR-1/187 dated 09.02.2004 and

ii) the persons been not re-admitted and not engaged for normal operation into the disturbed and dangerous place without making and declaring it safe as required under the provision of Regulation 114(3) of the CMR, 1957.

this accident could have been averted.

12. Date - 30/10/10

Mine - CHHATARPUR MINE NO II

Time - 5.00

Dist. - Betul. State - Madhya Pr

Person(s) Killed :

1 Robin Manda

2. Swaroop, Loader, Male, 55 Years
are loading coal in a development face

while a gang of 7 (seven) Loaders were loading coal in a development face, a mass of shaly stone having dimension of 3m (length) X 1.5 to 1.7 (width) having thickness of 0.1m to 0.25m parted from the roof at a height of 2.3m and fell on 3 Loaders causing serious bodily injuries to all of them. Two Loaders succumbed to the injuries within 4 hours of accident whereas the third Loader escaped with serious injuries

Had the roof been supported with full column grouted roof bolts at an interval of 1.5m between the bolts in the same row and between the rows upto 0.6m from the face as per the Systematic Support Rules framed by the Manager under Regulation 108 of the Coal Mines Regulations, 1957, this accident could have been averted.

13. Date - 30/10/10
Time - 17.20

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

1. C.K. Parate, Under Manager, Male, 37 Years

While an Under Manager accompanied by the Sirdar was trying to tie a hook of a rope to the only one remaining goaf edge cog in a depillaring panel worked with caving or receiving indication of impending roof fall in the goaf, the roof caved in over an area of about 300 sq. m. from a height of about 2.25m overriding the goaf support yet to be withdrawn, entrapped the Under Manager under it that proved fatal instantly. The Sirdar escaped with serious injury.

Had life been not endangered negligently in the mine as required under Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

14. Date - 09/12/10
Time - 4.40

Mine - NCPH OLD MINE
Owner - South Eastern Coalfields Ltd.
Dist. - Korea, State - Chhattisgarh
Person(s) Killed :

1. Phool Singh, Gen. Mazdoor, Male, 30 Years

While a general mazdoor engaged as roof bolting crew was about to return back after keeping drill machine below un-supported roof in a just joined development heading, a fall of roof measuring about 4.9m in length, 2.2-3.32m in width and 0.08-0.15m in thickness occurred in which a piece of stone about 1.0m in length, 0.26-0.6m in width and 0.08-0.10m thick fell from a height of about 2.15m on his back causing serious injuries to which he succumbed on the way to Hospital after about 1 hour 40 minutes.

Had

i) the person tested roof before entering below un-supported roof for drilling holes or bolting as required under safety instructions for roof bolting gang framed by the manager read with Regulation 38(1) of the Coal Mines Regulations, 1957 and

ii) the roof of the working place been tested, properly dressed and secured by temporary support before the persons were deployed for drilling holes for bolting as required under Regulation 102(1) and Systematic Support Rules framed under Regulation 108(2) of the Coal Mines Regulations, 1957 and modified vide letter No. 3611 dated 14.10.2008 read with Regulation 42(1), 43(1)(e) and 44(3)(a) of the Coal Mines Regulations, 1957,

this accident could have been averted.

15. Date - 26/12/10
Time - 7.20

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

1. Ramkishore, Support Mistry, Male, 50 Years

While a Sirdar and a support mistry were standing at a junction in a development district, two boulders of sandstone measuring about 2.5m X 1.5m X 0.65m-0.85m and 1.26m X 0.9m X 0.25m - 0.32m suddenly parted from the roof and fell over them from a height of about 3.5m resulting in almost instant fatal injury to the support mistry where as the Sirdar escaped with serious injury.

Had the roof of the working place been made and kept secure as required under Regulation 102(1) of the Coal Mines Regulations, 1957, this accident could have been averted.

16. Date - 05/04/10
Time - 14.00

Mine - BHURKUNDA MINE-B
Owner - Central Coalfields Ltd.
Dist. - Ramgarh, State - Jharkhand
Person(s) Killed :
1. Ramlal Turi, T. Mistry, Male, 50 Years
2. Kapil Mistry, T. Khalasi, Male, 43 Years

While a timber gang was engaged for recovery of cogging slippers from dislodged cogs at the goaf edge of a depillaring district, a block of coal measuring 5.5m X 2m X 1.5m thick detached from the rise side pillar and fell on two members of the timber gang inflicting fatal injuries to both of them.

Had

- i) the timber gang not engaged at a place where goaf had already advanced crushing goaf edge cogs and adjoining pillars.
- ii) the proper 'Manager's satnding order been framed for withdrawal of timber during depillaring
- iii) the splitting of pillar been in two equal halves to avoid premature crushing of pillar
- iv) the place of accident been adequately supported as per the systematic support rule framed

the accident could have been averted.

17. Date - 01/08/10
Time - 5.45

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

- 1. Chandrashekhar, Blasting Crew Member, Male, 59 Years

While a member fo blasting crew was sitting (taking rest) at working place by the side of a pillar in development panel, a small piece of shale dislodged from the side above hit his back causing abrasion and he fell with his chest down when attempted to escape in hurry causing internal injuries to which he succumbed on the way to hospital after about 1 hour 45 minutes.

Had,

- i) the person not been negligently sitting (taking rest) at working place endangering his own life as required under Regulation 190 read with Regulation 38(1) of the Coal Mines Regulations, 1957 and
 - ii) the sides of the working place been made and kept secured by proper dressing as required under Regulation 102(1) read with Regulation 38(1), 44(3)(a) and 42(1) of the Coal Mines Regulations, 1957,
- this accident could have been averted.

18. Date - 12/08/10 Mine - RAJNAGAR R.O.
Time - 2.30 Owner - South Eastern Coalfields Ltd.
 Dist. - Anuppur, State - Madhya Pradesh
Person(s) Killed :
 1. Ramesh Pao, Support Mistry, Male, 48 Years

While four support mistry were drilling holes for roof bolting in the roof about 0.6m from the side of the gallery, a piece of sand stone measuring about 1.8m X 0.45m X 0.25m-0.40m, parted from the side of the gallery from a height of about 1.30m, hitting and seriously injuring one of them that proved fatal in about three hours.

Had the side of the working place been made and kept secure as required under Regulation 102(1) of the Coal Mines Regulations, 1957, this accident could have been averted.

19. Date - 25/08/10 Mine - SRIRAMPUR NO.3 & 3 A
Time - 11.05 Owner - Singareni Collieries Company Ltd.
 Dist. - Adilabad, State - Andhra Pradesh
Person(s) Killed :
 1. K. Rajesham, Assistant Chainman, Male, 51 Years

While an assistant chainman was walking down a dip gallery having a gradient of 1 in 2.5 in a development district of a coal mine, suddenly a mass of coal measuring about 0.4m X 0.3m X 0.12m parted from the side of a pillar and fell on him at a height of about 3.5m To 3.8m inflicting serious bodily injuries which proved fatal after few minutes on the way to surface.

Had

i) the side of the piller of the dip gallery been made and kept secure after making a proper inspection after blasting at the nearby faces, as required under the provisions of Regulation 44(3) (a), Regulation 170 and 176 of the Coal Mines Regulations, 1957 read with DG's Circular No. 18 of 1963 & Circular (Tech) NO. 9 of 1985,

ii) the dip gallery at the site of accident not been heightened to more than 3.0m in contravention of Regulation 99(2) of the Coal Mines Regulations, 1957 and

iii) adequate Systematic Support Rules for disturbed workings been framed and enforced as required under Regulation 108 of the Coal Mines Regulation, 1957,

the accident could have been averted.

20. Date - 12/09/10 Mine - KHAS KAJORA
Time - 8.30 Owner - Eastern Coalfields Ltd.
 Dist. - Burdwan, State - West Bengal
Person(s) Killed :
 1. Satish Bouri, U.G. Loader, Male, 46 Years

While four loaders were taking rest by the side of a temporary stopping, a lump of coal measuring about 1.8m X 1.7m X 0.37m thick fell from the side of coal pillar from a height of 1.8m inflicting serious bodily injuries to one, who succumbed two hours later.

Had

i) the safety and proper discipline of the persons employed been secured as required by Reg. 43(1) (e) of the CMR, 1957 and/or

ii) the side of the working places in the district were made and kept secured as required by Reg. 44(3)(a) of the CMR, 1957

this accident could have been averted.

21. Date - 09/12/10

Mine - SRIRAMPUR NO. 1

Time - 20.30

Owner - Singareni Collieries Company Ltd.

Dist. - Adilabad, State - Andhra Pradesh

Person(s) Killed :

1. Saram Chandraiah, Coal Filler, Male, 47 Years

While a coal filler was loading coal in the goaf of depillaring district of a mine, suddenly a mass of coal measuring about 1.1m X 0.9m X 0.45m fell from the side of the rib from a height of about 2.5m, inflicting serious bodily injuries to which he died instantly.

Had the goaf edge cogs been provided not more than 30cm to prevent entry of persons into goaf and loading of coal was not done in the goaf, contravening the provisions of condition No. 2 of systematic support rule frame under Regulation 108 of the Coal Mines Regulations, 1957 and approved vide this Directorate letter No. HR2(SZ)/010033/Perm/2010/475 dated 07.03.2010 and 38(3)(b) of the Coal Mines Regulations, 1957, the accident could have been averted.

Code : 0118 Landslide
(1 Death)

22. Date - 28/09/10

Mine - UMRER O/C

Time - 5.40

Owner - Western Coalfields Ltd.

Dist. - Nagpur, State - Maharashtra

Person(s) Killed :

1. S. Gurmail Singh, Dragline Operator, Male, 56 Years

While a dragline machine was being worked for preparation of its exit route in an opencast coal mine, land slide took place at the boundary of the mine along a known fault plane extending upto a river resulting in collapse of cracked embankment and top OB benches, subsequently causing inrush of water into the mine. The dragline which was being operated at about 70m below the embankment and about 300m horizontal disatnce from the embankment was pushed along with the flow of collapsed material and fell into decoaled area about 25m below. The dragline was completely damaged and the operator and electrician engaged in the dragline received serious bodily injuries. The operator succumbed to the injuries after about 2 hours while being transported to the hospital whereas the electrician survived with serious injuries.

Had the mining operations been stopped and all persons been removed from the mine after noticing the cracks on the embankment made against the river and on the haul road below the embankment thus not endangering the life of the workmen in accordance with condition No. 601 of the permission granted under Regulations 98(1), 98(3), 100(1), 127 and 126 of the Coal Mines Regulaitons, 1957 vide letter No. NR/010628/II(f)/1186 dated 26.02.1997 read with Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

23. Date - 03/06/10

Mine - KALYAN KHANI NO.1

Time - 6.00

Owner - Singareni Collieries Company Ltd.

Dist. - Adilabad, State - Andhra Pradesh

Person(s) Killed :

1. Pandi Kumaraswamy, General Mazdoor, Male, 45 Years

While a general mazdoor engaged as fitter helper, after completing his work at the end of the shift, was riding on set of loaded tubs to go to surface in a rope haulage roadway at a gradient of 1 in 5 of an underground coal mine, he collided with side wall at the corner of a junction resulting in serious bodily injuries which proved fatal 20 hours later on the way to hospital.

Had set riding on moving tubs was not done contravening the provisions of Regulation 89(3) of the Coal Mines Regulations, 1957, the accident could have been averted.

24. Date - 28/06/10

Mine - GODAVARI KHANI NO.10

Time - 11.20

Owner - Singareni Collieries Company Ltd.

Dist. - Karimnagar, State - Andhra Pradesh

Person(s) Killed :

1. Reddy Ramesh, General Mazdoor, Male, 37 Years

2. Poyala Mallaiah, General Mazdoor, Male, 59 Years

While 40 persons boarded a man riding haulage cars at 2 Dip/8L to travel up to 2DIP/52L. Suddenly the rope detached from the anchor car in between 2D/27L & 2D/28L and run away to a distance of about 478m and got derailed. Two person received fatal injuries & seven person serious bodily injuries, others escaped unhurt.

Had

i) the rope been anchored properly

ii) the braking system of man-riding cars been maintained properly.

iii) The Train Guard been applied brake of man riding cars in course of run away

as required under Reg. 182, 190 of CMR, 1957 read with condition No. 12, 13, 14.1 and 15.3 of permission under Reg. 88(5) of CMR, 1957,

the accident could have been averted.

25. Date - 23/08/10 Mine - NO. 21 INCLINE
Time - 13.40 Owner - Singareni Collieries Company Ltd.
 Dist. - Khammam, State - Andhra Pradesh
Person(s) Killed :
 1. P. Koteswar Rao, Lineman, Male, 53 Years

While a plate layer gang of four persons were fixing wooden sleepers in the track-line of millennium incline, suddenly a set of descending loaded tubs hit one of the persons who succumbed to injuries on the way to hospital and others escaped un-hurt.

Had the persons in the haulage roadway, likely to be endangered, been warned, before lowering loaded tubs as required under Regulation 53(8) read with Regulation 89(2) (a) of CMR 1957, this accident could have been averted.

Code : 0334 Conveyors
(4 Deaths)

26. Date - 12/06/10 Mine - JHANJRA 3/4 INCLINE
Time - 12.45 Owner - Eastern Coalfields Ltd.
 Dist. - Burdwan, State - West Bengal
Person(s) Killed :

1. Sheikh Nur Alam, Security Guard, Male, 29 Years

While a belt conveyor in an incline with discharge end on surface was running, a private security guard employed at surface near incline mouth was found lying dead with multiple injuries on his body near underground belt loop take up point.

Had the security guard having duty on surface not ventured to go inside the incline mouth that too from the other side of traveling roadway bypassing fence on incline mouth, thus negligently not endangered his own life, by contravening the provision of Regulations 38(3)(a) and 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

27. Date - 08/09/10 Mine - GODAVARI KHANI NO. 1
Time - 18.45 Owner - Singareni Collieries Company Ltd.
 Dist. - Karimnagar, State - Andhra Pradesh
Person(s) Killed :

1. Erla Rayalingu, Singalman, Male, 59 Years

While a signalman employed to transmit signals from the discharge end of coal conveyor belt in CHP, suddenly he fell down and covered with spilled coal which arose due to filling of coal in surge bunker, resulting buried under the spilled coal received fatal injuries.

Had the signal had been transmitted for stoppage of the conveyor belt immediately after surge bunker got full, and been negligently or willfully not omitted to do the same for the safety of person, this accident could have been averted.

28. Date - 01/10/10 Mine - BHELATAND AMALGAMATED
Time - 7.20 Owner - Tata Iron & Steel Co. Ltd.
 Dist. - DHANBAD, State - Jharkhand
Person(s) Killed :

1. Pritam Mandal, Piece Rated SDL Crew, Male, 50 Years

While a SDL crew member was crossing the stage belt conveyor, it suddenly started moving resulting in his fall on to the conveyor, his neck getting caught between the conveyor and the skirt plate causing crush injury to his chest and head and death on the spot.

Had

- i) the belt conveyor been adequately fenced by suitable guards or substantial construction to prevent the inadvertent entry of the persons as required under Regulation 184(2) of the Coal Mines Regulations, 1957 and
- ii) the conveyor been equipped with pre-start alarm, effective pull chord and two way signalling system before putting the conveyor installation in use by the management and thus the safety of the work person not been endangered in contravention of the Regulation 190 of the Coal Mines Regulaltons, 1957,
this accident could have been averted.

29. Date - 29/11/10
Time - 10.30

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

- 1. Dara Padmaiah, General Mazdoor, Male, 36 Years

While a fitter helper was attending repiar work on a moving belt conveyor of a coal handling plant(Gantry) in a opencast mine, suddenly his right limb was caught between the moving conveyor belt and diversion drum and forced him to fall on a drive head structure from a height of about 4m and he succumbed to injuries instantly.

Had the repair work while in a motion of belt conveyor/diversion drum, not been done, contravening the provisions of Regulation 184(3) of the Coal Mines Regulations, 1957, the accident could have been averted.

Code : 0335 Dumpers
(24 Deaths)

30. Date - 02/01/10
Time - 19.40

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

- 1. A. H. Keshwani, Sr. Overman, Male, 58 Years

While dumpers were being guided by an officials on a haul road leading to a coal face in an opencast mine, the official was hit and run over by one of the dumpers in forward direction resulting into serious bodily injury to him to which he succumbed instantaneously.

Had

- i) the dumper been driven carefully and not negligently omitted to ensure safety of an official in contravention of Regulation 190 of the Coal Mines Regulations, 1957 read with condition Nos. 12.6.1(a) of Annexure to the permission granted under Regulation 98(1), 98(3), 100(1), 127 and 126 of the Coal Mines Regulations, 1957 vide letter No. NR/010628/II(f)/1186 dated 26.02.1997,
- ii) the official been not present on the haul road while dumpers were plying thus negligently omitted to ensure his safety in accordance with Regulation 190 of the Coal Mines Regulations, 1957 and

iii) it been ensured that proper directions were given to dumper operators by an official to follow one way traffic at the coal face instead of guiding dumpers by being physically present on the haul road thus not negligently omitted to ensure safety of an official in contravention of Regulation 190 of the Coal Mines Regulations, 1957 read with Regulation 42 of Coal Mines Regulations, 1957 and condition nos. 17.1 of Annexure to the permission granted under Regulation 98(1), 98(3), 100(1), 127 and 126 of the Coal Mines Regulations, 1957 vide letter No. NR/010628/II(f)/1186 dated 26.02.1997

this accident could have been averted.

31. Date - 07/01/10

Mine - CHITRA

Time - 7.30

Owner - Eastern Coalfields Ltd.

Dist. - Deoghar, State - Jharkhand

Person(s) Killed :

1. Ramesh Yadav, Tipper Helper, Male, 30 Years

While a helper of a tipper was removing stop block from left side rear wheels, he was run over and crushed to death by the forward movement of the tipper.

Had the driver of the tipper not drove the tipper in forward direction without giving proper signal, thereby negligently and willfully not omitted to do anything necessary for safety of the person employed therein as required under Reg. 190 of CMR, 1957, this accident could have been averted.

32. Date - 11/01/10

Mine - KHADIA PROJECT

Time - 14.20

Owner - Northern Coalfields Ltd.

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

1. Surendar Pd. Ram, Dumper Operator, Male, 37 Years

While a loaded dumper having a capacity of 85 tonnes was taking a sharp right turn on the haul road, lost control and travelled on the wrong side of the haul road and dashed against berm erected on the right, got tilted causing ejection of four batteries from their mountings, and one of the battery entered and operator's cabin from left side window, hit the operator resulting serious injuries, which proved fatal to him.

Had the operator not drove the dumper negligently and not endangered himself as required under Regulation 190 of the Coal Mines Regulations, 1957 and the dumper was thoroughly inspected for proper working as per the provisions of the Regulation 186, 98(1) & (3) off the Coal Mines Regulation 1957, read with condition (6)(a) of the permission granted vide letter no. 7145 dated 16.06.1982, the accident could have been averted.

33. Date - 24/01/10

Mine - AMLOHRI OCP

Time - .35

Owner - Northern Coalfields Ltd.

Dist. - Singrauli, State - Madhya Pradesh

Person(s) Killed :

1. Prem Bahadur Singh, Dumper Operator, Male, 45 Years

While a loaded dumper having a capacity of 170 tones, was moving on the haul road, after taking a left turn noticed a stationary dumper under breakdown in the middle of haul road, tried to avoid collision, and in the process grazed the right corner of the hopper of the stationary dumper under breakdown, causing fire in the operator's cabin resulting burn injuries to operator, which proved fatal to him after 17 days".

Had, the position of the stationary dumper, in the middle of haul road not misjudged by the person operating the dumper and thus not endangering his own life the operator, contravening the provisions of Regulation 190 of Coal Mine Regulations, 1957 the accident could have been averted.

34. Date - 28/01/10
Time - 7.25

Mine - SELECTED DHORI QRY. NO. 1 (KALYANI PROJ.)

Owner - Central Coalfields Ltd.

Dist. - Bokaro, State - Jharkhand

Person(s) Killed :

1. Umesh Mahato, Truck Khalasi, Male, 22 Years

While a 35T dumper was being reversed on coal transportation road near to coal stock in heavily traffic zone of a colliery, a khalasi of private transport truck running in hurry was somehow trapped and run over by the dumper inflicting instant fatal injury to him.

Had the dumper not been operated negligently for wilfull dumping of coal in stock in heavily traffic zone at own discretion in contravention of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

35. Date - 09/02/10
Time - 12.20

Mine - BLOCK 'B' PROJECT

Owner - Northern Coalfields Ltd.

Dist. - Singrauli, State - Madhya Pradesh

Person(s) Killed :

1. Md. Hakumuddin, L.M.V. Driver, Male, 21 Years

While a loaded 100 t dumper was moving up-gradient on a haul road and negotiating a right turn, it hit and ran over a jeep parked close to the right side/edge of the haul road, inflicting serious bodily injuries to its driver to which he succumbed almost instantaneously, whilst being rescued.

Had

i) the jeep, when not in use, been moved and stood at proper parking place away from the operational area of HEMM, as required by Clause 12(5) of Directorate's Letter No. JR/Coal/Block-B/Perm-32/2007/2876 dated 29.08.2007 granting relaxations from the provision of Regulation 98(1) & (3) of the Coal Mines Regulatlions, 1957 and

ii) the dumper been driven defensively, thus not negligently endangering the life and safety of a persons employed in the mine, as required by clause 13(4) of Directorate's Letter No. JR/Coal/Block-B/Perm-32/2007/2876 dated 29.08.2007, granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with Regulation 190 of the Coal Mines Regulations, 1957,

the accident could have been averted.

36. Date - 13/02/10
Time - 17.00

Mine - KUMARDIHI "B"

Owner - Eastern Coalfields Ltd.

Dist. - Burdwan, State - West Bengal

Person(s) Killed :

1. Durgadas Mukherji, Contractor Worker, Male, 30 Years

While a dumper was being reversed in an overburden bench, of an opencast coal mine, it run over a person, standing near loading point, inflicting serious bodily injuries to which he succumbed almost instantly.

Had the victim been careful whilst on duty, thus negligently not endangering his own life as required by the provision of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

37. Date - 17/02/10

Time - 1.30

Mine - MURAIDIH

Owner - Bharat Coking Coal Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Vijay Mahato, Tipper Driver, Male, 43 Years

While a loaded Tipper was moving uphill along haul road of an opencast colliery, the driver somehow lost control resulting in its rolling back, overshoot the berm and fell to a depth of 12.0m inflicting instant fatal injuries to the driver.

Had the emergency brake been maintained in order, as required under clause 14.11(a) and /or the defective vehicle been not used until the defects has been remedied as required under clause 14.4 in schedule-I of the permission granted vide letter No. 1459 dated 24.07.1995 under Regulation 100(1), 170(1A) (a), 170(1B) (b), 168(5) and relaxation under Regulation 98(1) and 98(3) of the Coal Mines Regulations, 1957, the accident could have been averted.

38. Date - 14/03/10

Time - 6.00

Mine - NIGAHI PROJECT

Owner - Northern Coalfields Ltd.

Dist. - Singrauli, State - Madhya Pradesh

Person(s) Killed :

1. Virendra Singh, Maintenance Supervisor, Male, 43 Years

While a loaded 14m³ carrying capacity Volvo tipper-truck was reversing for tipping overburden from the edge of an overburden dump nearly 110m in height in a mechanized opencast coal mine, it rolled back to fall off the dump-edge and toppled down along the dump slope throwing off its operator from the cabin. The operator received serious bodily injuries to which he succumbed at the hospital about 4 hours later.

Had

i) a proper and adequately sized protective berm been made and kept maintained at the overburden dump's edge, to prevent any reversing tipper/truck from rolling back and falling off the dump-edge, and the dump-yard been inspected before commencement of dumping operations thereat, with a view to ensure that protective berm of requisite size had in fact been made and kept maintained at the dump-edge and

ii) an overman or a sirdar been constantly posted throughout the shift to personally supervise the dumping operations at the dump-yard to ensure the enforcement and compliance of the procedures,

as stipulated by the code of practice framed under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DGMS Circular No. Tech 1 of 1989, vide Manager's letter No. AGM/Nigahi/07/1438 dated 14.03.2007, to prevent injuries to persons engaged in dumping operations,

this accident could have been averted.

39. Date - 02/04/10
Time - . 5

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

1. Suresh Sao, Dumper Operator, Male, 38 Years

While a 35T loaded dumper started to come out from the almost level and 35m wide coal face, a Dumper Operator of another dumper parked nearby was somehow trapped and run over by the right side rear tyre of the loaded dumper inflicting instant fatal injury to him.

Had

- i) the coming down from the dumper after parking near the coal face and wilfully not come in the right side of another dumper being loaded by a shovel in contravention of Regulation 190 of the Coal Mines Regulations, 1957,
 - ii) the operation of dumper been done carefully ensuring that nobody is present in and around the dumper when it was observed that another dumper has been parked nearby and the headlights have been switched off as required under Regulation 190 of the Coal Mines Regulations, 1957.

the accident could have been averted.

40. Date - 16/04/10
Time - 15.10

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

1. Haru Mondal, E. P. Fitter, Male, 59 Years

While a dumper was being reversed after completion of the welding job in workshop, it run over a fitter by its right front wheel and got killed on the spot.

“Misadventure”

41. Date - 30/04/10
Time - 15.30

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

1. Kedar Nath Giri, Driver, Male, 49 Years

While a light vehicle(service van) was crossing an intersection between a "light vehicle road" and "haul road", it was run over by the right front wheel of a 120t empty dumper travelling on the haul road, killing the van driver almost instantaneously.

Had

- a) the Dumper been driven defensively, as required by the order granting relaxation under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957 vide Directorate's letter No. 4426 dated 11.08.1989 and
 - b) the haul road and the light vehicle road not been designed, laid and maintained in such manner that they crossed each other thus not negligently endangering the life and safety of the persons employed in the mine as required under Section 18(4) of the Mines Act, 1952 read with Regulation 190 of the Coal Mines Regulation, 1957 and DGMS(Tech) Circular No. 2 of 2008

this accident could have been averted.

42. Date - 01/06/10
Time - 21.50

Mine - BARSINGSAR LIGNITE MINE
Owner - Neyveli Lignite Corporation Ltd.
Dist. - Bikaner, State - Rajasthan
Person(s) Killed :

1. Dilawar Singh Solanki, Mech. Helper, Male, 25 Years

While a maintenance helper approached an operating hydraulic excavator on an overburden face for maintenance, a waiting dumper suddenly reversed, its hopper hit the helper on his head who fell on the ground and got pressed immediately thereafter under the reversing right wheels of the dumper sustaining serious bodily injuries to which he succumbed soon after.

Had

- i) The Mechanic Helper not negligently approached the operating hydraulic excavator at the loading face from behind the reversing dumper and traveled by the foot path provided threat which was necessary for his safety,
- ii) a Sirdar been appointed in the shift to secure adequate inspection and thorough supervision of all operations in the mine,
- iii) an Overman been appointed in the shift to hold the charge of the district,
- iv) it been seen that all operations carried out in connection with the mine were conducted in accordance with the provisions of the Act and of the Regulations made therunder

as required under Regulations 38(3)(b), 190, 36(1)(A), 113 and 34(1) of the Coal Mines Regulations, 1957 and condition No. 4(c) of the permission granted vide this Directorate's letter No. AJ/DMS/Perm-coal/2006/6472 dated 06.10.2006 under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957 read with Section 18(1) & (4) of the Mines Act, 1952,

this accident could have been averted.

43. Date - 04/06/10
Time - 22.10

Mine - BALRAM OCP
Owner - Mahanadi Coalfields Ltd.
Dist. - Angul, State - Orissa
Person(s) Killed :

1. Narayan Pradhan, Tipper Driver, Male, 23 Years

While a contractor tipper driver was waiting on the ground after alighting from the cabin of his tipper, he was run over by another tipper which was being reversed for parking. The driver succumbed to his injuries soon after.

Had

- i) the tipper been reversed carefully after properly seeing for presence of any person behind it and thus negligently not endangering the life or safety of persons in the mine, as required under the provisions of Regulation 38(1)(a) read with Regulation 190 of the Coal Mines Regulations, 1957,
- ii) proper supervision for loading operation been provided by the management as required under Regulation 113 read with Section 18 of the Mines Act, 1952 and

iii) "Codes of Safe Practices" for prevention of injuries to persons engaged at loading points in the mine been enforced as required under condition No. 20.2 of this Directorate's letter No. 010701/BDH/CO-9/P-98(1)&(3)/2009/1145 dated 16.03.2009 granted under Reg. 98(1) & (3) of the Coal Mines Regulations, 1957,

the accident could have been averted.

44. Date - 20/07/10

Mine - BINA PROJECT

Time - 15.10

Owner - Northern Coalfields Ltd.

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

1. Bij Kr.Yadav, Contractr Tipper Drivr, Male, 27 Years

While a '14m³ carrying capacity' contractor's tipper loaded with coal was going down-gradient on surface haul road having gradient of 1 in 15, it ran down uncontrolled to hit the haul road's left embankment and toppled on its right side. The tipper operator, who had jumped out of the operator's cabin, got entrapped underneath the tipper to die of crush injuries on his head almost instantaneously.

Had the tipper not been allowed to ply in the mine unless it was ensured that it's hand brake (emergency/secondary braking system) was kept maintained in safe working order and a seat belt was provided on the operator's seat, as called for clauses 5, 7(1) & 7(2) and 20 of Directorate's letter No. DMS/WZ/S/77/65/3707 dated 22.08.1977 granting relaxations from the provisions of Regulation 98(1) & (3) of the Coal Mines Regulations, 1957, read with DGMS Circular Nos. 11 of 1973, Tech 3 of 1981 and Tech. 09 of 2008, this accident could have been averted.

45. Date - 21/07/10

Mine - DUDHICHUA PROJECT

Time - 18.20

Owner - Northern Coalfields Ltd.

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

1. Kishori Harijan,Sirdar, Male, 58 Years

While a loaded 120 Tonne carrying capacity dumper, was moving in forward direction and being manoeuvred for placement, for tipping of overburden on the dump-platform, it ran over a Sirdar supervising the operations, who succumbed due to the crush injuries immediately.

Had

i) the dumper been driven carefully and defensively, as called for by clause 22(3)(b) & (c) 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, and

ii) none ventured in close proximity of the moving dumper, thus not negligently endangering his own life and safety, as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

46. Date - 06/09/10

Mine - BHOWRA (NORTH)

Time - 2.00

Owner - Bharat Coking Coal Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Manohar Prasad,Non-Employee, Male, 35 Years

While a person was sleeping in dump yard area of an opencast coal mine in night hours, he was run over by a dumper while reversing to unload overburden, sustaining fatal injuries.

Had

i) adequate general lighting arrangements been provided in the overburden dump area as required under the provision of Regulation 151(1)(a) and 154 of the Coal Mines Regulations, 1957 read with DGMS Circular (Legislation) No. 1/1976 and clause 07.0 of permission under Regulation 98(1) & (3), 100(1), 127, 168(5) and 170(1A)(c) and 170(1B)(b) of the Coal Mines Regulations, 1957, granted vide this Directorate's letter No. 180 dated 29.01.2010.

ii) the opencast workings during every shift been placed under the charge of such number of assistant managers, assisted by sufficient numbers of overmen and mining sirdars, as to have overall control and guidance of operations connected with the mine and to be responsible to see all regulations and orders made hereunder are strictly compiled with as per clause 15.0 of permission under Regulation 98(1) & (3), 100(1), 127, 168(5) and 170(1A)(c) and 170(1B)(b) of the Coal Mines Regulations, 1957, granted vide this Directorate's letter No. 180, dated 29.01.2010 and

iii) manned check gates been provided and entry of unauthorised persons been checked as required by clause 25.4 of permission under Regulation 98(1)&(3), 100(1), 127, 168(5) and 170(1A)(c) and 170(1B)(b) of the Coal Mines Regulations, 1957, granted vide this Directorate's letter No. 180, dated 29.01.2010,

this accident could have been averted.

47. Date - 14/10/10
Time - 5.15

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

1. Pradip Mondal, Dozer Helper (Contr.), Male, 20 Years

While a person was working in an overburden dump(in-pit) of an opencast coal mine, a dumper hit him, inflicting serious bodily injuries to which he succumbed almost instantly.

Had

i) proper management, control, supervision and direction of the mine be exercised as required under Section 17(2), Section 18(5) of the Mines Act, 1952 and Regulation 8A(1) of the Coal Mines Regulations, 1957;

ii) the victim be provided with visibility harness as required by the provision of Section 18(1) of the Mines Act, 1952 read with Regulation 191B of the Coal Mines Regulations, 1957, DG's Statutory Order No. 16(38)79-Genl/4624 dated 12.10.2007 and Recommendation No. 2.2(h) of 10th Conference on Safety in Mines;

iii) the victim not gone to any part of the mine other than that part in which he worked as required under Regulation 38(3)(b) of the Coal Mines Regulations, 1957,

this accident could have been averted.

48. Date - 11/11/10
Time - 21.00

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

1. Om Singh, Supervisor (Contract), Male, 28 Years

While a supervisor of contractor deployed by linked consumer was walking along tipper road to reach his place of work in Coal handling plant of an opencast coal mine, he was hit by the tipper going in the same direction causing serious bodily injury to which he succumbed after about one hour in hospital.

Had

i) the person not been walking along tipper road instead of pedestrian road to reach his place of work without justifiable cause as required under code of safe practice for workers working in coal handling plant framed by the Manager read with Regulation 38(1) (a) & 38(3) (b) of the CMR, 1957,

ii) the tipper been driven carefully in coal handling plant ensuring the safety of the person employed therein as required under Regulation 190 read with Regulation 38(1) (a) of the CMR, 1957 and

iii) the code of safe practices for workers working in coal handling plant framed by the Manager been enforced by proper supervision as required under Regulation 43(8) (a), 43(1) (e) & 42(1) of the CMR, 1957,

this accident could have been averted.

49. Date - 29/11/10

Mine - KARMA O.C.P

Time - 18.15

Owner - Central Coalfields Ltd.

Dist. - Ramgarh, State - Jharkhand

Person(s) Killed :

1. Narsingh Singh, Sr. Overman, Male, 56 Years

While a Senior Overman along with other officials was inspecting a parked dumper under breakdown, at the coal face, the parked dumper rolled over him causing fatal injury.

Had, the operator of dumper been applied parking brake before getting down from the dumper the accident could have been averted.

50. Date - 15/12/10

Mine - GONDUDIH

Time - 5.30

Owner - Bharat Coking Coal Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Dharmendra Paswan, Contr. Dumper. Optr, Male, 26 Years

While a rashly driven coal loaded dumper overturned in the attempt to avoid the motorcycle, on a road leading to railway siding from the mine, its operator somehow fell out and got buried under the heap of coal fallen from the dumper and was recovered dead after one hour, the drive and pillion rider of motorcycle received serious bodily injuries.

Had, the dumper operator not driven the dumper speedily and not lost the control of the dumper in contravention of condition 12.0C(III)(c) of the Annexure-A of permission granted vide letter No. DR-1/010178/01/2/08/1472 dated 26.05.2008 under the provision of Regulation 98(1) & (3), 168(5), 100(1) and 170(*1B) (a) of the Coal Mines Regulations, 1957, this accident could have been averted.

51. Date - 21/12/10

Mine - MUDIDIH

Time - 23.15

Owner - Bharat Coking Coal Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Ramsamuj Chauhan, Dumper Operator, Male, 45 Years

While a dumper operator, driving his dumper from overburden dump yrd to opencast working on a quarry haul road, tried to give way to another dumper coming from opposite direction his dumper overturned and fell 34m below resulting in serious bodily injuries to the operator and khalasi, to which the operator succumbed during treatment in the hospital.

Had, the width, gradient and berm height along the haul road been maintained as prescribed by condition No. 5.2 and 5.4 of permission letter No. DR-1/01/010211/09/1667 dated 15.07.2009 granted under Regulation 98(1) & (3), 100(1) and Regulation 170(1A) & (1B) of the Coal Mines Regulations, 1957, this accident could have been averted.

52. Date - 25/12/10
Time - 12.45

Mine - AMALGAMATED KESHALPUR-WEST MUDIDIH
Owner - Bharat Coking Coal Ltd.
Dist. - DHANBAD, State - Jharkhand
Person(s) Killed :

1. Nilkanth Roy, Dumper Operator, Male, 51 Years

While a dumper operator was reversing a loaded dumper in a dump yard, he entered in a place where embankment was not provided resulting into fall of dumper on the slope throwing him out of the cabin and in this process he was hit intermittently by rolling stone lumps inflicting serious bodily injuries and he died on the spot.

Had the embankment been provided at the edge of the dump yard as prescribed by the condition No. 5.4 of the permission granted vide letter Directorate's No. DR-1/010132/01/Perm/2008/1486 dated 29.05.2008 under Regulations, 98(3), 100(1), 104 & 105 of the Coal Mines Regulations, 1957, this accident could have been averted.

53. Date - 27/12/10
Time - 14.45

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

1. Md. Haleem, Dumper Driver, Male, 24 Years

While a dumper operator was walking by the side of a stationary dumper in an opencast coal mine where transportation of overburden (waste) was being done, the dumper by the side of which he was walking suddenly started and moved ahead without any warning, and ran over him inflicting fatal injuries.

Had the dumper operator given audible signal before starting his dumper thereby alerting the nearby persons thus not negligently endangering the life of fellow dumper operator as required under Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0339

Wheeled Trackless(Truck, Tanker, etc.)
(12 Deaths)

54. Date - 27/01/10
Time - 13.45

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

1. Bhim Lal Mandal, Driver, Male, 40 Years

While an empty truck carrying three members of maintenance crew in cabin was traveling down the haul road of a colliery, the Operator somehow failed to control speed, jumped out of cabin in panic followed by the Helper and the truck moved uncontrolled, hit the berm and stopped on its own, the Operator and Helper received serious bodily injuries to which the Operator succumbed after about two hours, the Helper escaped with fracture in left hand and other two who remained in cabin escaped unhurt.

Had the truck been driven defensively and the Operator not been negligent and not jumped out of the cabin in panic, thereby not negligently omitting to ensure his own safety and safety of work person as required under Regulation 190 of Coal Mines Regulations, 1957, this accident could have been averted.

55. Date - 15/02/10 Mine - GODAVARI KHANI NO.10A
Time - 16.00 Owner - Singareni Collieries Company Ltd.
Dist. - Karimnagar, State - Andhra Pradesh
Person(s) Killed :
1. Kandula Sadanandam, Gen. Mazdoor, Male, 34 Years
2. Enagandula Srinivas, Shot Firer, Male, 33 Years

While an operator of a personal carrier vehicle along with two persons in the cabin and about 25 persons back side, was driving on a haul road, of a gradient of about 1 in 16, suddenly the brake failed and two persons in the cabin jumped out from a running vehicle causing fatal injuries to both of them and operator other persons escaped unhurt.

Had the brake system of vehicle been maintained & operated properly as required under Reg. 182, 186(5) & 190 of CMR, 1957 read with DGMS (Tech.) circular no. 9 of 1999, the accident could have been averted.

56. Date - 22/02/10 Mine - NEYVELI NO 2
Time - 20.40 Owner - Neyveli Lignite Corporation Ltd.
Dist. - Cuddalore, State - Tamil Nadu
Person(s) Killed :

1. S.Suresh, Contract Worker, Male, 26 Years
While a contractor worker was trying to board a lorry in motion on peripheral road of the mine, he fell from the lorry and got killed.

Had the contractor worker not tried to board the lorry in motion, thus negligently omitting to ensure his own safety in contravention to Regulation 181 of the Metalliferous Mine Regulations, 1961, this accident could have been averted.

57. Date - 10/03/10 Mine - BARKUI
Time - 11.20 Owner - Western Coalfields Ltd.
Dist. - Chhindwara, State - Madhya Pradesh
Person(s) Killed :

1. Durga Prasad, Contractor Worker, Male, 33 Years
While a two wheeled compressor trolley attached to a tractor-dozer was going down a haul road, the tractor picked up speed due to application of improper gear and operator could not control the tractor-dozer and he jumped out of tractor and escaped unhurt. The tractor hit a contractor worker who was traveling to surface on the haul road and sustained serious bodily injury which proved fatal after some time.

Had

- i) the tractor-dozer not been used for carrying two wheeled compressor trolley and tractor-dozer not been allowed to enter in a mine for transporting compressor trolley and
 - ii) the tractor driver not driven the tractor-trolley negligently thus omitting to ensure the safety of work persons

as required under the provisions of Regulations 42(1), 43(1)(e), 38(1)(a) and 190 of the Coal Mines Regulations, 1957 read with DGMS(Tech) Circular No. 1 of 1987 and DGMS (Tech) Circular No. 1 of 1994.

this accident could have been averted

58. Date - 13/04/10 Mine - PRAKASHAM KHANI OPENCAST-II
Time - 8.40 Owner - Singareni Collieries Company Ltd.
 Dist. - Khammam, State - Andhra Pradesh
Person(s) Killed :

1. K. Srinivas, Contractor Worker, Male, 35 Years

While a water sprinkler operator with a person in cabin, driving up the haul road of gradient 1 in 16, suddenly engine stopped, the vehicle started rolling back, hit the berm and toppled right sight. In panic the person jumped out of cabin and received serious bodily injuries, which turned fatal after seven days.

Had the brake been applied in time and braking system of vehicle been maintained properly as required under Reg. 182, 190 of CMR, 1957 read with DGMS (Tech.) circular no. 3 of 1981 & Reg. 98 read with Condition no. 7 of permission letter no. 2522 dated 10.07.1986, the accident could have been averted.

59. Date - 21/05/10 Mine - AMLO PROJECT
Time - 1.00 Owner - Central Coalfields Ltd.
 Dist. - Bokaro, State - Jharkhand
Person(s) Killed :

1. Maqbool Alam, Truck Driver, Male, 45 Years
2. Shankar Singh, Genral Mazdoor, Male, 23 Years

While a 10 wheelers Tipping truck belonging to contractor was being reversed on overburden bench having width 12 to 20m at the place of reversal in an opencast coal mine for spotting, the driver lost his control over the truck and it fell down with speed to lower bench inflicting instant fatal injury to the driver and a General Mazdoor sitting in the cabin.

Had

i) the truck not been operated negligently during wilfull reversal at the overburden bench and unauthorised person not been allowed to sit in the cabin as required under Regulation, 190 read with Condition Nos. 17(C) (3f), 17(B) (2a) & (2b) of Annexure to the Permission Letter NO. RR/2435 Ranchi dated 06.06.1986 granted under Reg. 98(1&3) and Reg. 100(1) of the Coal Mines Regulations, 1957,

ii) the berm of adequate height and width been provided continuously along the edge of bench as required under condition No. 5(5) of Annexure to the Permission Letter NO. RR/2435 Ranchi dated 06.06.1986 greanted under Reg. 98(1&3) and Reg. 100(1) of the Coal Mines Regulations, 1957 and

iii) the width of overburden bench been kept 5 times the length of truck plying over the same as required under Condition No. 6 of Permission Letter read with Condition No. 2(a) of Annexure to the said permission granted under Reg. 98(1&3) and Reg. 100(1) of the Coal Mines Regulations, 1957,

this accident could have been averted.

60. Date - 01/06/10 Mine - GHUGHUS OC
Time - 6.45 Owner - Western Coalfields Ltd.
 Dist. - Chandrapur, State - Maharashtra
Person(s) Killed :

1. Md. Istikhar, Tipper Truck Driver, Male, 26 Years

While a tipper truck converted water sprinkler, was watering an almost flat haul road, upon hitting the roadside berm overturned and capsized thus inflicting serious bodily injury to the driver who succumbed to the injuries after eleven days.

Had

i) the water tanker been examined and maintained thoroughly by an engineer to make it mechanically sound and in efficient working order as required under clause 8.2.1 of Annexure-A of permission letter No. NR-II/010620/Permission 98(1) & (3)/2009/1342 dated 17.09.2009 and

ii) the altered tipper truck was not used as a water sprinkler in the mine without due certification of its road worthiness by RTO concerned, which was unsafe to operate in the mine thereby endangering the safety of persons employed therein, in contravention of Reg. 190 of the Coal Mines Regulations, 1957,

this accident could have been averted.

61. Date - 09/06/10

Mine - SAMLESWARI OCP

Time - 10.45

Owner - Mahanadi Coalfields Ltd.

Dist. - Jharsuguda, State - Orissa

Person(s) Killed :

1. Niranjan Sahoo, Sr. Overman, Male, 49 Years

While an Overman was supervising loading of road sale truck at stock yard, he was hit by left front side of a loaded truck and was run over by left front wheel. The Overman received serious bodily injuries which proved fatal immediately.

Had, the road sale truck been allowed in loading point of stock yard in controlled manner and had formation of dust been controlled by water spraying at loading point to maintain visibility, the accident could have been averted.

62. Date - 08/09/10

Mine - TIRAP

Time - 9.45

Owner - North Eastern Coalfields

Dist. - Tinsukia, State - Assam

Person(s) Killed :

1. Parimal Gope, Siding Sirdar/Superv., Male, 48 Years

While a private truck was being reversed at coal siding to place it at coal loading ramp, it hit a siding supervisor who got run over and received serious bodily injuries to which he succumbed on way to hospital after about half an hour.

Had

i) the truck driver given audible warning signal before reversing truck, as required by the condition No. 22.2(e) of permission letter No. S4/As/Coal/6/Perm/99/224, dated 07.03.2000 also read with DG's(Tech.) Cir. No. 7 of 1977 and code of safe practices framed under Regulation 98(1) & (3) and the truck driven more carefully thus not negligently omitted to take care of the life and safety of person employed therein as required under Regulation 190 of the Coal Mines Regulation, 1957 and

ii) the siding supervisor not left his working place and gone to private truck loading ramp without any direction from his superior, for justifiable cause, as required by the provision of Reg. 38(3)(b) of the Coal Mines Regulation, 1957, thus not omitted to take care of himself, as required under Regulation 190 of the Coal Mines Regulations, 1957 and also read with code of safe practices framed under Regulation 98(1) & (3) of the Coal Mines Regulations, 1957,

this accident could have been averted.

63. Date - 15/12/10 Mine - AMLOHRI OCP
Time - 15.05 Owner - Northern Coalfields Ltd.
 Dist. - Singrauli, State - Madhya Pradesh
Person(s) Killed :

1. Arun Kr. Pathak, Trailer Operator, Male, 52 Years

While a '50 tonne carrying capacity' trailer transporting a shovel bucket was being driven down-gradient on a haul road having gradient of 1 in 21 in a mechanized opencast coal mine, its operator lost control over the vehicle and jumped out of the trailer's cabin to be run over by the its rear wheels. He received serious bodily injuries to which he succumbed almost immediately.

Had the trailer been driven defensively and the operator not jumped out of its cabin thus not negligently endangering his own life and safety, as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0400

Machinery Other than Transp. Machinery

Code : 0441

Drilling Machines
(1 Death)

64. Date - 03/09/10 Mine - CHITRA-A
Time - 1.30 Owner - Eastern Coalfields Ltd.
 Dist. - Deoghar, State - Jharkhand
Person(s) Killed :

1. Parmeshwar Murmu, Drill Helper, Male, 43 Years

While a helper of a drill machine had taken shelter under drill because of rain, he was crushed and run over by the left side crawler chain of the marching drill to which he succumbed immediately.

Had the operator not marched the drill in backward direction without ensuring that nobody is in the proximity of the drill as required under Reg. 190 read with conditions stipulated in permission letter under Reg. 98(1) & (3) of CMR, 1957 issued by this Directorate vide letter No. S4/03/26/001/II-B/87/4467 dated 03.11.1987, this accident could have been averted.

Code : 0442

Cutting Machines
(1 Death)

65. Date - 24/09/10 Mine - MOONIDIH PROJECT
Time - 2.30 Owner - Bharat Coking Coal Ltd.
 Dist. - DHANBAD, State - Jharkhand
Person(s) Killed :

1. Rohan Mahato, Contractor Worker, Male, 29 Years

While a road header machine in an underground coal mine was started by an electrician without warning, the compressed air hose pipe connected to drill machine got entangled and coiled on the cutting drum resulting in pulling of the drill machine under the cutting drum along with one of the mazdoors who were engaged in drilling of holes for roof bolting in a face in front of the road header, injuring him in stomach to which he succumbed on way to surface.

Had the road header been provided with audio visual prestart warning device and not started without giving warning and removing persons from the vicinity and thereby not negligently endangered the life of persons employed in the mine, as required by Regulation 190 of the Coal Mines Regulations, 1957 read with condition No. 1.2.1 of Annexure to letter No. DDG(CZ)/G-144/80 dated 25.09.1980, this accident could have been averted.

Code : 0443 Loading Machines
(3 Deaths)

66. Date - 15/04/10 Mine - CHHATARPUR MINE NO. I
Time - 21.30 Owner - Western Coalfields Ltd.
 Dist. - Betul, State - Madhya Pradesh
Person(s) Killed :

1. Akhil Kumar, SDL Helper, Male, 51 Years

While a spare load haul dumper (LHD) Operator was sleeping in a developed gallery in a belowground working, he was ran over by a load haul dumper in forward direction resulting serious bodily injury to him to which he succumbed instantaneously.

Had

- i) the LHD operator been nto sleeping twist on duty thus negligently omitted to ensure his safety in contravention of Regulation 38(6) and Regulation 190 of the Coal Mines Regulations, 1957
- ii) the LHD operator inspected the transport path before driving the LHD into a developed gallery used for the first time thus not negligently omitted to ensure safety of the other operator in contravention of Regulation 190 of the Coal Mines Regulations, 1957, read with clause No. 5 of Code of Practice framed and circulated by the Manager
- iii) head lights of the load haul dumper been maintained in a manner that the area ahead of the operator was visible in dark thus not negligently omitted to ensure the safety of the persons employed in the mine in contravention of Regulation 190 of the Coal Mines Regulations, 1957,

the accident could have been averted.

67. Date - 12/09/10 Mine - KATKONA 3&4
Time - 4.30 Owner - South Eastern Coalfields Ltd.
 Dist. - Korea, State - Chhattisgarh
Person(s) Killed :

1. Dharam Pal, Dresser, Male, 45 Years

While a dresser was sleeping across a gallery in a development district, he was run over by the right side (opposite to Operator side) track chain of a Side Discharge Loader (SDL), inflicting serious bodily injuries to which he succumbed almost instantly.

Had

- i) the victim not slept across a gallery at the working place whilst on duty and thus not endangered his own safety as required under Regulation 38(6) of CMR, 1957,

ii) it been ensured that no person was present in the haul route of SDL before starting SDL for coal loading from the development face and thus the safety of persons not been negligently endangered as required under Regulation 190 read with Regulation 38(1) of CMR, 1957 and code of safe practices framed by Manager and

iii) the activities in the district been properly supervised as required under Regulation 43(1)(c) and 44(1) of CMR, 1957,

this accident could have been averted.

68. Date - 29/10/10
Time - 5.45

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

1. Inder Pal Singh, Driller, Male, 41 Years

While a driller perhaps fell asleep in a junction of galleries in a development district of a colliery, he was hit/run over by the right side (opposite to Operator side) portion of the LHD (Load Haul Dump) machine, inflicting serious bodily injuries to which he succumbed almost immediately.

Had

i) the driller not fallen asleep in the junction of galleries at the working place whilst on duty and thus not endangering his own safety as required under Regulation 38(6) of CMR, 1957,

ii) it been ensured that no person was present in the haul route of LHD before starting LHD for coal loading from the development face and thus not endangered the safety of persons as required under Regulation 38(1) of CMR, 1957 and code of safe practices framed by Manager,

iii) the activities in the district been adequately supervised as required under Regulation 42(2), 43(1)(c) and 44(1) of CMR, 1957,

this accident could have been averted.

Code : 0446

Shovel, Draglines, Frontend Loader, etc.
(1 Death)

69. Date - 20/07/10
Time - 14.30

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

1. Ramchandra Mandeokar, EP Fitter, Male, 53 Years

While a maintenance crew fitting the track shoe assembly of a hydraulic shovel by propelling it, suddenly a piece of metal chipped off from it and flew as a projectile piercing the lower abdomen of a fitter standing in front of track shoe assembly, inflicting serious bodily injuries to which he succumbed 5 days later.

Had it been ensured before propelling the shovel that no person was present at the unsafe place, thus not negligently endangering life of the person employed thereat as required under Regulation 190 read with Regulation 40(2) of Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0448

Other Heavy Earth Moving Machinery
(1 Death)

70. Date - 30/12/10

Mine - NEYVELI NO 2

Time - 10.20

Owner - Neyveli Lignite Corporation Ltd.

Dist. - Cuddalore, State - Tamil Nadu

Person(s) Killed :

1. V. Paramasivam, Contractor Worker, Male, 33 Years

While a contractor worker was working on a discharge belt conveyor of a spreder machine for repairs of wiper belt of discharge hopper, the conveyor was started suddenly as a result of which the lower limb of the worker was pulled inside between the conveyor belt and hopper inflicting serious bodily injuries to which he succumbed almost instantly.

Had the machine been shtu down and positive means taken to prevent its operation while any repair is taken up, as required by condition No. 5.8 of the Appendix CMR-98 to the permission granted vide this Directorate's letter No. D/5982 dated 18.11.96 under Regulation 98(1) of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0500

Explosives

Code : 0552

Deep Hole Blasting Projectiles
(1 Death)

71. Date - 16/10/10

Mine - GONDEGAON O.C

Time - 14.30

Owner - Western Coalfields Ltd.

Dist. - Nagpur, State - Maharashtra

Person(s) Killed :

1. Sidhu Ram Avadh, Blasting Crewman, Male, 58 Years

While 35 shot holes, 150mm in diameter and 7m deep, charged with large diameter explosive in cartridge form, was fired on an overburden bench, a piece of hard shale/clay, projected from the blast and fell on the GI sheet roof of a rest shelter at a distance of about 224m and struck a shot firing assistant/guard after breaking the roof. The guard, who took shelter in the rest shelter, received serious bodily injuries to which he succumbed almost instantaneously.

Had

i) the shots been fired after ensuring that all persons including shot firing Assistant had taken proper shelter as required under Regulation 170 (1A) (b) of the Coal Mines Regulations, 1957.

ii) proper System been formed to ensure that no person remains in the danger zone of 300m and all blasting assistants/guards taken protection in the shelter approved by manager during blasting as required under Regulation 170 (1A) (b) of Coal Mines Regulations, 1957 read with section 18(4) of Mines Act, 1952,

this accident could have been averted.

Code : 0559

**Other Explosive Accidents
(15 Deaths)**

72. Date - 06/05/10
Time - 11.30

Mine - ANJAN HILL
Owner - South Eastern Coalfields Ltd.
Dist. - Korea, State - Chhattisgarh
Person(s) Killed :
1. S. K. Goswami, GM(Operation), Male, 56 Years
2. Radhe Shyam, Roof Bolter, Male, 39 Years
3. Jagdish, Roof Bolter, Male, 51 Years
4. Nirmal, Contractor Worker, Male, 24 Years
5. A. M. Paul, Sr. Overman, Male, 46 Years
6. Tapan Sarkar, Rescue Brigade Member, Male, 51 Years
7. Abhisekh Mishra, Mgmt. Trainee(M), Male, 27 Years
8. S. V. R. Raju, Mining Sirdar, Male, 56 Years
9. Santosh Yadav, Electrician, Male, 33 Years
10. Ravindra Kr. Sah, General Mazdoor, Male, 31 Years
11. Dal Bahadur, Strata Control Person, Male, 33 Years
12. Bans Lal, Timber Helper, Male, 54 Years
13. Swaminath, Sr. Overman, Male, 52 Years
14. Bali Singh, Timberman, Male, 42 Years
15. Gulam Mohammad, Mech. Fitter, Male, 50 Years

Court of Enquiry Constituted vide Gazette Notification No. S.O. 456(E) dated 28.02.2011. The report of Court of Enquiry published in the Gazette of India S.O. 2921(E) dated 29.12.2011.

Code : 0600

Electricity

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

73. Date - 22/04/10
Time - 17.00

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

1. Binoy Kr. Ghosh, Switch Board Attend., Male, 42 Years

While a Switch Board Attendant was replacing an incandescent light fitting fitted on a tubular pole, without using the safety devices, he fell down from a height of about 3.3m due to shearing of the pole and received head injuries to which he succumbed after 8 days later in a hospital.

Had, the deceased used the safety devices, like proper ladder, Helmet and safety belt etc. before performing the job as required under Rule 36(1), Rule 29(1) of Indian Electricity Rules, 1956, the accident could have been averted.

74. Date - 19/05/10
Time - 17.55

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

1. Sant Ram, Contractor Mazdoor, Male, 38 Years

While a worker was working on 33KV dead terminal bushes of SF-6 breaker installed at 33KV sub-station of an Opencast Coal Mine, suddenly came close proximity to adjacent 33KV live bare conductor that caused heavy flash resulting burn injury to him which proved fatal after six days.

Had,

- i) the precautions been taken as required under Rule 36(1) of IER, 1956 for disconnection of power supply from such adjacent 33KV live bare conductor which was less than minimum safety working clearance of 2.8m as required under Rule 64(2)(a) of IER, 1956, to prevent danger from being accidentally or inadvertently coming close proximity to adjacent high voltage line, and
- ii) the electrical supervisor not left the work site in between, instead ensured the work necessarily be carried out under his personal supervision to prevent danger as required under Rule 131(3) of IER, 1956,

this accident could have been averted.

75. Date - 05/06/10
Time - 10.50

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

1. Manjar Marandi, Contract Worker, Male, 35 Years

While a contract worker was repairing a broken overhead line without taking proper shutdown, discharging the overhead line and making the overhead line earthed, inadvertently came in contact with another live overhead line on the same pole, got electrocuted and received electrical shock, burn injuries and succumbed to his injuries a day later in a hospital while being treated.

Had the proper shut down being taken before commencement of such type of job as required under 29(1), 36(1), 36(2) of Indian Electricity Rules, 1956, this accident could have been averted.

76. Date - 21/07/10
Time - 14.50

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

1. Rakesh Singh Khairwar, Contr. Worker, Male, 28 Years

While a contract worker unauthorizedly climbed over the 6.6KV overhead line double pole installation on a hill top location beyond his jurisdiction of work, came in contact with live supply and received severe electric shock and as a result fell down, causing death immediately.

Had he not climbed over the live overhead line structure and came in contact with live line, contrary to the provisions of the Rule 36(2) of the Indian Electricity Rules, 1956, this accident could have been averted.

77. Date - 08/08/10
Time - 11.30

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

1. Swapan Lohar, Contractor Worker, Male, 36 Years

While a contractor worker was laying conductors, climbing on an old, rusted and weak tubular pole for over head line diversion, tubular pole broke and fell along with the worker, causing fatal head injury.

Had a good quality tubular pole been used as required under Indian Standard IS:2713 1980 and Rules 29(1) and 76(2) of the Indian Electricity Rules, 1956, this accident could have been averted.

78. Date - 12/09/10
Time - 7.15

Mine - SARUBERA EAST
Owner - Central Coalfields Ltd.
Dist. - Hazaribagh, State - Jharkhand
Person(s) Killed :

1. Fuleshwar Agaria, Electrician, Male, 45 Years

While in the process of replacing "Horn-Gap Fuse Wires" on a Double Pole structure of a 11KV overhead line, an electrician came in contact with the energized overhead conductors of an 11KV overhead line, suffered electrical shock with burn injuries and fell down to earth succumbing to his injuries.

Had adequate precautions been taken to prevent accidental or inadvertent charging of the 11KV overhead conductors connected to the Double Pole structure before undertaking the job of "horn gap fuse wire replacement work"; as required under provisions of Rule 36(1) of Indian Electricity Rules, 1956, the accident could have been averted.

79. Date - 17/11/10
Time - 15.30

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

1. Kishor Basani, Contract Mazdoor, Male, 28 Years

While a person was climbing the 3 pole structure of dead overhead line on his own for providing jumpers in the conductors of the overhead line at 3 pole structure, he suddenly lost balance and fell down to ground from a height of about 5m sustaining head injury that proved fatal within one and half hour.

Had, adequate precautions been taken to use ladder for climbing the support of overhead line as required under Rule 36(1) of the IER, 1956, this accident could have been averted.

Code : 0663

Switch Gears, Gate End Boxes, Pommel, etc.
(1 Death)

80. Date - 26/01/10
Time - 12.15

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

1. Potharaju Sadaiah, Electrician, Male, 38 Years

While an electrician was working at outgoing of the 3.3 KV VCB, inadvertently 3.3KV power supply was put ON by another electrician who was working on the same switchgear, came in contact with live conductor resulting in a huge flash causing burn injuries and electrocution to him.

Had

i) proper shut down procedure been followed by switching off the 3.3KV power supply and discharged the controlling switchgear at sub-station before allowing the work persons, as required under the provisions of Rule, 36(1) read with Rule 29(1) of the Indian Electricity Rules, 1956; and

ii) the provided inter locking arrangement between isolator and breaker of the switchgear in working order as required under provisions of Rule 29(1) of The Indian Electricity Rules, 1956

this accident could have been averted.

Code : 0700

Dust, Gas & Other Combustible Material

Code : 0779

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

81. Date - 26/02/10

Mine - SARSHATALI

Time - 10.00

Owner - Integrated Coal Mining Ltd.

Dist. - Burdwan, State - West Bengal

Person(s) Killed :

1. Santosh Kumar, Surveyor, Male, 34 Years

While a Surveyor was working on top coal bench beneath which old galleries affected by fire existed, suddenly the parting between the top coal bench and the old galleries by fire, collapsed, creating a pot hole, in which the Surveyor fell down and received severe burn injuries and succumbed to his injuries almost instantly.

"Misadventure"

Code : 0800

Falls (Other than Fall of Ground)

Code : 0881

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

82. Date - 20/02/10

Mine - KAKRI PROJECT

Time - 15.00

Owner - Northern Coalfields Ltd.

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

1. Gore Lal, Mazdoor, Male, 20 Years

While a contractor worker was alighting down from the roof of a dozer workshop using the vertical & horizontal structural columns as stairs to dislodge an entangled CGI sheet, he slipped and fell down from a height of about 9m and sustained serious bodily injuries to which he succumbed while on way to hospital.

Had no person been permitted to work at any place/height from where he is likely to slip or overbalance unless he is secured belt or life line or is otherwise safeguarded, as required by the provisions of Regulations 111(2) of the Coal Mines Regulations, 1957, this accident could have been averted.

83. Date - 20/04/10

Mine - CHASNALLA

Time - .45

Owner - Indian Iron & Steel Company Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Md. Irfan, General Mazdoor, Male, 41 Years

While two mazdoors were pulling and one mazdoor was pushing a tub/minecar towards face after unloading the coal into a chimney/flume dipping at 55 degree from horizontal, the mazdoor pushing the tub slipped and fell into the chimney to a depth of 22m sustaining serious head injuries to which he succumbed instantly.

Had

i) the mazdoors engaged for unloading the coal at the chimney dipping more than 45 degree from the horizontal where he was likely to slip or lose balance been secured with a safety belt or life line or otherwise safe guarded as required under Regulation 111(2) and;

ii) the opening of the chimney been provided with efficient fence, barrier or gate so designed and constructed as to effectively prevent any person entering or falling therein as required under Regulation 112(2) of the Coal Mines Regulations, 1957

this accident could have been averted.

84. Date - 21/08/10

Mine - BHURKUNDA MINE-A

Time - 2.30

Owner - Central Coalfields Ltd.

Dist. - Hazaribagh, State - Jharkhand

Person(s) Killed :

1. Dhaneshwar Mahato, Pump Operator, Male, 51 Years

While a pump operator of an opencast mine left his place of work and subsequently walking adjacent to haul road near quarry edge in dark hours, he inadvertently fell in the quarry bottom by about 50m below from the edge of the quarry and died on the spot.

Had the pump operator not left his place of work while in duty during dark hours and not moved along the quarry edge, the accident could have been averted.

85. Date - 21/09/10

Mine - SAONER MINE NO.1

Time - 4.25

Owner - Western Coalfields Ltd.

Dist. - Nagpur, State - Maharashtra

Person(s) Killed :

1. Sachin Ramu Rajurkar, Contract Workr, Male, 19 Years

While a contractor workman was topping up water in a radiator of a front end loader (pay loader) in a railway siding, he lost balance and fell down between the body and the wheel of the pay loader and received internal injuries to which he succumbed after about 4 and half hours while being transported to the hospital.

Had

- i) the loading operations in the Railway Siding been kept under the charge of a qualified competent person/supervisor who could have overseen the loading operations under his personal supervision and
- ii) a working platform/stage of adequate width with proper fencing been provided for topping up water in the payloader thus not negligently omitted to ensure safety of the helper in contravention of Regulation 190 of Coal Mines Regulations, 1957,

this accident could have been averted.

86. Date - 09/11/10 Mine - CHASNALLA
 Time - 20.00 Owner - Indian Iron & Steel Company Ltd.
 Dist. - DHANBAD, State - Jharkhand
 Person(s) Killed :

- 1. Sujeept Gorai, Conveyor Operator, Male, 31 Years

While a chain conveyor operator trying to clear the jammed conveyor head without using the safety belt, he somehow slipped and fell into the chimney 76m below and died on the spot.

Had the conveyor operator not attempted the job (cleaning the jam) for which he was not authorised and trained without using the safety belts and ropes provided at the place of work and thereby not omitted to ensure his own safety in contravention of provision of Regulation 190 of the Coal Mines Regulations, 1957 this accident could have been averted.

Code : 0882

**Fall of Persons on the Same Level
 (1 Death)**

87. Date - 02/09/10 Mine - KHAS KAJORA
 Time - 7.45 Owner - Eastern Coalfields Ltd.
 Dist. - Burdwan, State - West Bengal
 Person(s) Killed :

- 1. Narayan Bhuiya, U.G. Clipman, Male, 48 Years

While an underground slipman was returning from the district, the clipman slipped and fell down on the haulage track receiving serious bodily injuries to which he succumbed seventeen days later.

"Misadventure"

Code : 0883

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

88. Date - 24/04/10 Mine - DHANPURI OPENCAST MINE
 Time - 17.50 Owner - South Eastern Coalfields Ltd.
 Dist. - Shahdol, State - Madhya Pradesh
 Person(s) Killed :

- 1. Mool Chand, Crusher/Feeder Operator, Male, 56 Years

While a truck was being loaded under an overhead bunker of coal handling plant, the chute of bunker suddenly collapsed burying feeder operator beneath the coal and broken steel causing fatal injuries.

Had the chute of bunker been good construction and maintained in safe working condition thus not negligently endangering life of the person employed thereat as required under Regulation 182 read with Regulation 190 of Coal Mines Regulations, 1957, this accident could have been averted.

89. Date - 26/08/10

Mine - DUDHICHUA PROJECT

Time - 13.30

Owner - Northern Coalfields Ltd.

Dist. - Sonebhadra, State - Uttar Pradesh

Person(s) Killed :

1. Ramesh, Contractor Worker, Male, 26 Years

While a 13m long and 20cm (average) in diameter electric pole weighing 350 kg approximately was being lifted on shoulders by 6 contractor workers for erection with its one end supported on a two-legged wooden cross-piece, the cross-piece slipped to transfer the load onto the workers. Whereas other workers managed to abandon the pole and flee, the entire load of the pole came onto one of them who died due to cardio-respiratory failure almost instantaneously.

Had a proper lifting and supporting devices/apparatus been used for lifting and erection of such heavy poles a safe operating procedure been framed and implemented for the purpose, and operations being carried on by the contractor been adequately monitored and supervised to ensure that requirements related to safety were complied with, thus not negligently omitting to ensure the life and safety of persons employed as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957, read with clauses 2.1 & 2.2 of DGMS (Tech) (SOMA) Circular No. 1 dated 04.01.2008, this accident could have been averted.

90. Date - 04/09/10

Mine - JAMADoba

Time - 16.00

Owner - Tata Iron & Steel Co. Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Upendar Sharma, SDL Operator, Male, 31 Years

While a Side Discharge Loader (canopy dismantled) was loading blasted coal from the face of depillaring panel in belowground mine, in processes of reversing, its rear end struck a vertical post (prop) resulting in fall of horizontal girder, which hit on head of SDL operator inflicting serious bodily injuries to which he succumbed on way to hospital.

Had it been ensured that the SDL was not operated without protective canopy, thereby not negligently omitting to ensure the safety of the operator on contravention of Regulation 190 of the Coal Mines Regulations, 1957, read with clause 7.0 of permission granted under Regulations 100(1), 104(2) and 105(1) of the Coal Mines Regulations, 1957 vide letter No- R-3/010184/Per 100(1), 104(2) & 105(1)-19/2008/2233 dated 24.11.2008, this accident could have been averted.

91. Date - 27/10/10

Mine - PARASEA

Time - 1.15

Owner - Eastern Coalfields Ltd.

Dist. - Burdwan, State - West Bengal

Person(s) Killed :

1. Rameshwar Koiri, Timberman, Male, 43 Years

While a timber helper was sitting on cogging sleepers in belowground station, a wooden prop fell over his head inflicting serious bodily injuries to which he succumbed three days later.

Had such inspections as required by Regulation been made for checking supports & prop loosened been replace or reset as provided for under Regulation 44(2)(a) and Regulation 109(8)(a) of the Coal Mines Regulations, 1957, this accident could have been averted.

Code : 0900

Other Causes

Code : 0993

Drowning in Water

(4 Deaths)

92. Date - 09/02/10

Mine - JAMUNA 1&2 MINE

Time - 13.30

Owner - South Eastern Coalfields Ltd.

Dist. - Anuppur, State - Madhya Pradesh

Person(s) Killed :

1. Nagendra Singh, Contractor, Male, 45 Years

While a contractor entered an unused working by passing through the fence, he fell into a sump and drowned in it. His body was recovered about 12 hours later.

Had

i) proper discipline of the persons employed in a mine been provided as required under Regulation 37(1) of the Coal Mines Regulations, 1957,

ii) life not been endangered negligently by passing through a fence except with the authority of an official as required under Regulations 190 read with Regulation 38(3)(a) of the Coal Mines Regulations, 1957,

iii) no person been allowed to work alone in a remote part of the mine and inexperienced person not been employed in the mine for any work except under the supervision and guidance of an experienced person, as required under Regulations 115(8) and 115(9) respectively of the Coal Mines Regulations, 1957

iv) no person who is not an employee of the mine or is not entitled to enter the mine under the Act or under the Regulations or under order made thereunder or is not so authorised by the manager, was allowed to enter the mine as required under Regulation 57(3) of the Coal Mines Regulations, 1957

this accident could have been averted.

93. Date - 11/07/10

Mine - NIGAHI PROJECT

Time - 10.00

Owner - Northern Coalfields Ltd.

Dist. - Singrauli, State - Madhya Pradesh

Person(s) Killed :

1. Sudeswar Yadav, Contract Worker, Male, 43 Years

While two contractual workers were swimming across a 3.5m - 7.0m deep waterlogged & overflowing sump of an opencast coal mine to retrieve a pontoon which had not been kept securely anchored and had drifted away from its normal position, one of the workers drowned to succumb almost immediately. His body became afloat 51 hours later.

Had persons not been allowed into the deep waters to retrieve the drifted pontoon unless on an additional float, duly anchored on mooring pole on one side and the pontoon on the other end by a strong rope, or, persons been provided with life-jackets and life line, thus not negligently omitting to ensure their safety from drowning, as called for by the provisions of Regulation 190 of the Coal Mines Regulations, 1957, this accident could have been averted.

94. Date - 14/12/10

Mine - RAJMAHAL OCP

Time - 15.45

Owner - Eastern Coalfields Ltd.

Dist. - Godda, State - Jharkhand

Person(s) Killed :

1. Dilip Gupta, Excavator Operator, Male, 24 Years

While a backhoe excavator with six tipper were engaged in drain cutting operation at a place in between the highwall located on dip side and an old sump on rise side, the barrier against the sump consisting of in-situ coal and loose debris at the top failed suddenly near loose debris portion due to heavy seepage of water from a drain flowing through the sump resulting into heavy inflow of sludge towards dip side to which six tippers and one excavator got submerged. While tipper operators could escape unhurt, the excavator operator in an attempt to escape got drowned in sludge and died due to asphyxiation.

Had

i) the working place at the assigned part of mine (Deep mining zone) been carefully examined and necessary action been taken to rectify the defects noticed by preventing seepage of water from a drain flowing through the sump on rise side, by the Asstt. Manager as required under Reg. 42(3) & 115(9) of the CMR, 1957 and

ii) the Overman seen that the competent persons (excavator operator) in his district carried out his respective duties in a proper manner as required under Regulation 43(1) (d) of the CMR, 1957 as well as had he taken prompt attention to the removal of the defects noticed, by preventing seepage of water from a drain flowing through the sump on rise side as required under Regulation 43(6) of the CMR, 1957 and had he not left the working place without completion of assigned duties that he was required to perform, or until relieved by a duly appointed substitute as required under Reg. 43(8) (b) of the CMR, 1957

this accident could have been averted.

95. Date - 31/12/10

Mine - SIJUA

Time - 7.45

Owner - Tata Iron & Steel Co. Ltd.

Dist. - DHANBAD, State - Jharkhand

Person(s) Killed :

1. Ishrar Ahmed, Multi Skilled Crew, Male, 48 Years

While three multi skilled crews were going for drilling in a dip slice face in a depillaring district, the stowing barricades erected in level split gallery on the rise side gave way under pressure of stowed water and sand resulting into sudden inrush of sand-water mixture into dip slice face drowning one of them to death.

Had,

i) the close supervision been ensured and inspections of stowing barricade been done, and pressure behind the same not been allowed to develop until failure, thereby safety of the multi skilled crews not been endangered negligently in contravention of provision of Regulation 190 of the Coal Mines Regultaions, 1957,

ii) the method and sequence of extraction as prescribed by the condition No. 5.0(d) of the permission granted under Regulation 100(1) and Regulation 126 of the Coal Mines Regulations, 1957 vide letter No. DR-1/19/0102226/01/14-08/08/2680 dated 24.09.2008 been followed strictly and proper drainage and speedy recession of water from the goaf been ensured thus not allowing the build of pressure behind the barricade and water saturation of the worked out and stowed area.

this accident could have been averted.

96. Date - 03/06/10 Mine - 6&7 PITS (JAMADoba)
Time - 7.00 Owner - Tata Iron & Steel Co. Ltd.
 Dist. - DHANBAD, State - Jharkhand
Person(s) Killed :

1. Ram Lekhan Paswan, Pump Operator, Male, 55 Years

While a successor pump operator reached at the site to take the charge of the pump at a pump station of an underground coal mine he found the pump operator of previous shift, laying on ground facing downward having head towards dip side (pump) near the delivery range, who was later declared "brought dead" at the colliery hospital.

"Misadventure"

97. Date - 03/07/10 Mine - BHATGAON
Time - 13.30 Owner - South Eastern Coalfields Ltd.
 Dist. - Surguja, State - Chhattisgarh
Person(s) Killed :

1. Shankar, Contractor Worker, Male, 49 Years

While two contractor's worker were engaged for cleaning a coal bunker with the help of long crow bar & water jet inside the bunker, the heap of coal muck inside the bunker gave away and buried both of them. One of them succumbed due to asphyxia soon after. The other was recovered & pulled out with the help of rope.

Had

i) the competent person i.e. the assistant foreman and the supervisors of the contractor's warned the persons engaged before reaching the striking distance of the coal heap and

ii) the rope length tied with safety belt worn by the workers kept tight,

the accident could have been averted.

STATEMENT NO. 5.14

Details of major accidents in coal Mines (involving 4 or more deaths) during the year 1901-2010

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

Statement 5.14 (Continued)

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

Statement 5.14 (Continued)

Sl. No.	Date of Accident	Name of Mine	Number of Persons		Cause of Accident
			Killed	S/Injured	
1	2	3	4	5	6
81	16/01/35	Loyabad	11	0	Irruption of Water
82	29/06/35	Bagdigi	19	7	Explosion/Ignition of Firedamp
83	24/07/35	Kurhurbaree	62	14	Explosion/Ignition of Firedamp
84	30/01/36	Loyabad	35	0	Fire/Suffocation by Gases
85	14/07/36	Adjai Second	4	1	Explosion/Ignition of Firedamp
86	13/12/36	Damdot	4	0	Surface Railway/Tramways
87	18/12/36	Poidih	209	0	Explosion/Ignition of Firedamp
88	06/09/38	Dhemo Main	9	0	Fall of Roof
89	05/01/40	Kalithan Gurgaon	4	0	Fall of Roof
90	27/02/40	Manksimula	6	0	Fall of Roof
91	16/04/40	Raneepur	4	1	Explosion/Ignition of Firedamp
92	21/10/40	Bhualbararee	6	5	Fall of Sides
93	04/12/40	Ekra Khas	8	0	Fall of Roof
94	15/12/40	Jitpur	4	0	Fall of Roof
95	28/12/40	Kustore	4	0	Suffocation by Gases
96	24/04/41	Dishergarh West	6	0	Fall of Roof
97	05/05/41	South Bulliari Kendwadih	9	0	Fall of Roof
98	04/08/41	Sodepur 9 & 10 Pits	4	0	Fall of Roof
99	03/12/41	Dhemo Main	4	1	Fall of Sides
100	16/01/42	Kurhurbaree	5	5	Fall of Roof
101	12/02/42	Ghogri-Berkui	4	0	Fall of Roof
102	27/03/42	Seetalpur	4	0	Falling down Shafts
103	06/07/42	Makerwal	14	0	Irruption of Water
104	17/07/42	Pinalgoria	4	0	Irruption of Water
105	27/11/42	Jotejanaki Khas	6	0	Fall of Roof
106	22/02/43	Sodepur 9, 10 & 11 Pits	13	3	Fall of Roof
107	14/04/43	Banksimulla 11 & 12 Pits	5	0	Explosions
108	26/07/43	Ghorawari	7	0	Explosions
109	08/10/43	Jhamuria 7 & 8 Pits	12	1	Sundries Underground
110	04/02/44	Hurriladiah	4	1	Fall of Roof
111	10/04/44	Khodo Valley	8	0	Fall of Sides
112	14/06/44	North Brook	4	0	Descending Shaft
113	25/08/44	Bright Jharia	4	0	Fall of Roof
114	07/09/44	Dhemo Main	6	0	Fall of Roof
115	13/03/45	Dhemo Main	4	1	Fall of Sides
116	13/06/45	Banksimula 9 & 10 Pits	8	0	Fall of Sides
117	19/03/46	Begunia	13	0	Explosion/Ignition of Firedamp
118	09/06/46	Malkera-Choitodih	4	0	Overwinding of Shaft
119	04/11/46	Gazlitand	5	0	Fall of Roof
120	20/03/47	Methani	4	1	Fall of Roof

Statement 5.14 (Continued)

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

Statement 5.14 (Continued)

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

Statement 5.14 (Continued)

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

Statement 5.14 (Continued)

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

STATEMENT NO. 5.15

Particulars of Court of enquiries instituted under the Mines Act to enquire into the accidents in coal mines during the year 1901-2010

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

Statement 5.15 (continued)

Sl. No.	Date of Accident	Name of Mine & Cause	No. of Persons Killed	Constitution of Court of Enquiry	Assessors
1	2	3	4	5	6
S/Shri					S/Shri
15	14/10/30	Dishergarh West (Explosion)	6	Chief Inspector of Mines	1. Dr. D. Penman, Mining Engr. 2. J. Thomas, Mining Engineer
16	29/06/35	Bagdigi (Explosion)	19	Chief Inspector of Mines	1. Addl. Dy. Commissioner 2. J. B. Wardlaw, Mining Engr.
17	24/07/35	Kurhurbaree (Explosion)	62	Chief Inspector of Mines	1. Dy. Commissioner 2. J. Mackie, Mining Engineer
18	30/01/36	Loyabad (Suffocation by Gases)	35	Commissioner, Chotanagar	1. Inspector of Mines 2. J. Mackie, Mining Engineer 3. B. K. Bose, Mining Engineer
19	18/12/36	Poidih (Explosion)	209	Commissioner, Burdwan Div.	1. Inspector of Mines 2. L. A. Jacobs, Mining Engineer 3. B. K. Bose, Mining Engineer
20	19/03/46	Begunia (Explosion)	13	Commissioner, Burdwan Div.	1. Dy. Chief Insp. of Mines 2. J. K. Dholakai, Mining Engr. 3. A. G. Mackay, Mining Engineer
21	15/05/53	Pure Chirimiri (Fall of Roof)	8	Dy. Commissioner	1. Chief Inspector of Mines 2. R. L. Malviya (Labour) 3. M. S. Dhandha (Management)
22	08/01/54	Swang (Fall of Roof)	7	Dy. Commissioner	1. D. R. Bagrey, Mining Engr. 2. Bindeswari Dubey, M. L. A. 3. Dy. Chief Insp. of Mines
23	10/12/54	Newton Chikli (Inundation)	63	Justice B. R. Sen	1. M. L. Shome, Mining Engineer 2. W. S. Barlingay, M. P.
24	05/02/55	Amlabad (Explosion)	52	Justice B. P. Jamuar	1. M. L. Shome, Mining Engineer 2. N. Das, M. P.
25	26/09/56	Burradhemoo (Inundation)	28	Commissioner, Burdwan	1. Chief Inspector of Mines 2. S. C. Samanta, M. P.
26	19/02/58	Chinakuri 1 & 2 Pits (Explosion)	176	Justice S. N. Guha Roy	1. S. C. Samanta, M. P. 2. Dr. J. W. Whitakar
27	20/02/58	Central Bhowrah (Inundation)	23	T. P. Singh, I. A. S., C. A.	1. B. H. Engineer 2. Jai Pal Singh, M. P.

Statement 5.15 (Continued)

Sl. No.	Date of Accident	Name of Mine & Cause	No. of Persons Killed	Constitution of Court of Enquiry	Assessors
1	2	3	4	5	6
S/Shri					S/Shri
28	28/05/65	Dhori (Explosion)	268	Justice S. K. Das	1. B. H. Engineer 2. Das Gupta, G. S. I.
29	18/03/73	Noonodih Jitpur (Explosion)	48	R. C. Dutt, I. C. S.	1. Kanti Mehta 2. Lalit Burman 3. Prof. G. B. Mishra 4. M. B. Tawadey
30	08/08/75	Kessurgarh (Fall of Roof)	11	R. C. Dutt, I. C. S.	1. Prof. K. V. Subrahmanyam 2. S. L. Chakravarty 3. R. N. Sharma, M. P. 4. Lalit Burman
31	18/11/75	Silewara (Inundation)	10	P. M. Nayak, I. C. S.	1. V. L. Karwande 2. Prof. G. S. Marwaha 3. S. W. Dhabe 4. S. K. Sanyal
32	27/12/75	Chasnalla (Inundation)	375	Justice U. N. Sinha	1. C. Karunakaran 2. G. S. Marwaha 3. Damodar Pandey, M. P.
33	05/04/76	Chasnalla (Inundation)	5	Justice U. N. Sinha	1. C. Karunakaran 2. G. S. Marwaha 3. Damodar Pandey, M. P.
34	16/09/76	Central Saunda (Inundation)	10	N. P. Dube, I. A. S.	1. Prof. S. S. Saluja 2. S. Das Gupta
35	04/10/76	Sudamdih Shaft (Explosion)	43	H. C. Sarin, I. C. S.	1. S. Bagchi 2. Damodar Pandey, M. P.
36	22/01/79	Baragolai (Explosion)	16	T. S. Sankaran	1. S. Dasgupta 2. H. B. Ghose
37	24/06/81	Jagannath (Miscellaneous)	10	K. Ramamurthy	1. Damodar Pandey 2. H. B. Ghose
38	16/07/82	Topa (Fall of Roof)	16	Justice L. K. Pandey	1. S. Dasgupta 2. H. B. Ghose
39	14/09/83	Huriladih (Inundation)	19	Justice C. T. Dighe	1. K. M. Trivedi 2. G. S. Marwaha

Statement 5.15 (Continued)

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

SECTION – VI

MISCELLANEOUS

STATEMENT NO.6.1

EXPORT AND IMPORT OF COAL,COKE AND LIGNITE

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

COUNTRY	EXPORT															
	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AFGANISTAN	-	-	-	-	-	-	-	-	300	572	-	-	-	-	-	-
ANGOLA	-	-	-	-	-	-	-	-	-	-	-	-	-	8	78	
ARGENTINA	-	-	-	-	-	-	-	-	-	-	46000	928752	-	-	-	-
AUSTRALIA	-	-	-	-	-	-	-	-	-	2	91	78325	538005	1	1	
BAHARAIN IS	-	-	-	-	4669	42648	-	-	-	521950	390117	6305	84946	19721	204751	
BANGLADESH	1550055	2499804	174851	1948898	1679060	2114712	1326040	2621819	1318678	2153755	1293716	2837785	1452821	3567235	1399352	2905555
BENIN	-	-	-	-	-	-	-	-	-	-	-	-	26	493	-	-
BHUTAN	22523	49841	55310	59208	17502	53628	23050	93845	55189	192808	207395	583142	77098	413241	201995	577975
BRAZIL	-	-	130000	763803	38500	385167	37000	250317	45038	735534	192000	4177969	38500	633869	322500	6041575
BURKINA FASO	-	-	-	-	-	-	-	-	-	-	-	-	-	37	72	
CANADA	-	-	24	323	815	1607	-	-	-	55	81	1	13	4	10	
CHILE	-	-	-	-	-	-	-	-	19	748	-	-	-	-	-	-
CHINA P. REP.	-	-	-	-	672	569	-	-	4986	5320	-	-	1	6	2301449	7024284
COLOMBIA	-	-	-	-	-	-	-	-	14	636	-	-	-	-	-	-
COTE D IVOIRE	-	-	-	-	-	-	-	-	18000	829	4	12	-	-	-	-
DENMARK	-	-	-	-	-	-	-	-	-	1	1	-	-	-	-	-
DOIBOUTI	-	-	-	-	-	-	-	-	120197	15581	-	-	-	-	20	531
DOMONIC REP.	-	-	-	-	-	-	-	-	7	319	-	-	-	-	-	-
EGYPT A R P	-	-	-	-	-	-	70	719	262	263	-	-	-	-	197	3990
EL SALVADOR	-	-	-	-	-	-	-	-	14	680	-	-	-	-	16	344
ETHOPIA	-	-	-	-	-	-	700	926	1000	2825	-	-	-	-	-	-
FINLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	38	44	
FRANCE	-	-	-	-	120	636	-	-	-	420500	1013804	3	7	33	157	
GER.FED.REP.	-	-	403	965	-	-	-	-	6	12	-	-	2	6	600	389
GHANA	-	-	-	-	-	-	218	391	-	-	-	-	-	-	-	-
GEORGIA	-	-	-	-	-	-	-	-	-	-	-	-	150	781	-	-
HONG KONG	-	-	-	-	-	-	-	-	-	-	-	-	30	381	-	-
HUNGERY	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-
INDONESIA	-	-	189	735	-	-	45	75	158	3078	-	-	10800	61243	20	738
ITALY	-	-	-	-	-	-	-	-	30	30	-	-	39980	728982		
IRAN	-	-	-	-	-	-	-	-	-	-	-	-	5140	6832	121	1923
JAPAN	-	-	-	-	100000	316173	-	-	-	22000	197133	1	1	231557	1865117	
JORDAN	-	-	-	-	-	-	-	-	-	9	83	31	295	-	-	-
KENYA	225	376	-	-	400	819	279	1134	1009	3482	141	1237	23	216	96	1886
KOREA REP.	-	-	20	30	-	-	-	-	12	36	9400	183551	3430	25914	6401	129949
KUWAIT	580	958	154	801	35	122	-	-	43	609	120	275	-	-	-	-
MALAYSIA	-	-	6	12	-	-	-	-	14	495	890	1734	-	-	-	-

STATEMENT NO.6.1 (CONT.)

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

COUNTRY	EXPORT																	
	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011			
	Qty.	Value	Qty.	Value	Qty.	Value												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17		
MALDOVA	-	-	-	-	-	-	70	133	-	-	-	-	-	-	-	-		
MAYANMAR	12	73	60	895	-	-	-	-	-	-	-	-	60	385	66	1122		
MAURITIUS	-	-	200	447	-	-	-	-	1196	2203	1520	2117	3348	5002	-	-		
MOZAMBIQUE	-	-	-	-	-	-	-	-	10	10	-	-	-	-	-	-		
NAMIBIA										1960	1927	-	-	-	-	-		
NEPAL	226776	415397	196122	29960	298811	530830	466115	502337	289739	547061	278539	533750	792849	741574	680475	1295311		
NETHERLAND	-	-	17	17	-	-	20	757	-	-	-	-	-	1	4	19880	357291	
NIGERIA	-	-	-	-	-	-	-	-	-	-	-	-	108	532	-	-		
N.MARIANA IS.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	100	213		
OMAN	397	902	394	538	-	-	-	-	480	1112	3095	5785	2219	5324	7	44		
PAKISTAN IR	-	-	72	1021	3318	6831	31	77	28805	153547	9696	74086	17530	278754	5036	109503		
PHILIPPINES	54	193	54	202	-	-	-	-	-	-	-	-	1820	11821	-	-		
QUATAR	20	51	-	-	-	-	-	-	1121	1701	-	-	204	260	-	-		
RUSSIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	15		
SAUDI ARAB	435	815	51	444	515	5091	-	-	2489	7701	954	15560	339	4943	547	8619		
SENEGAL	-	-	-	-	-	-	4	21	-	-	-	-	-	-	-	-		
SINGAPORE	-	-	14	214	-	-	-	-	63	603	200	425	-	-	-	-		
SOUTH AFRICA	1123	10197	100000	108061	14	149	609	6092	-	-	182	3506	1833	34809	-	-		
SPAIN	-	-	-	-	-	-	-	-	-	-	-	-	250	1890	-	-		
SRI LANKA	27	193	135	341	120	416	256	784	4070	8197	6599	16622	1459	16210	1253	27860		
SUDAN	-	-	-	-	-	-	5	134	-	-	260	1262	-	-	-	-		
SWITZARLAND	-	-	-	-	-	-	-	-	-	-	-	-	1	1	4	8		
SYRIA	-	-	-	-	-	-	-	-	-	-	-	-	130	2188	-	-		
TAIWAN	-	-	-	-	-	-	-	-	-	-	-	-	10	14	-	-		
TANZANIA REP.	-	-	-	-	-	-	1486	5897	1302	3147	-	-	-	-	-	-		
THAILAND	-	-	-	-	-	-	-	-	-	-	-	-	960	6098	-	-		
TOGO	-	-	-	-	-	-	-	-	-	-	5	15	-	-	-	-		
TURKEY	-	-	-	-	-	-	-	-	140	1537	-	-	-	-	-	79545	1466611	
UGANDA	-	-	36065	36065	-	-	-	-	-	-	-	-	100	168	-	-		
U.A.E.	687	1122	21	104	1072	1473	247	1543	52	115	5719	7121	1828	28474	1240	25206		
U.K.	6019	41679	15	281	-	-	-	-	907	1365	-	-	10	26	242	343		
U.S.A.	-	-	200	698	134	630	813	2290	1096	2215	500	2533	5007	20277	36052	693186		
VIETNAM SOC.REP.	-	-	-	-	-	-	-	-	952	4071	-	-	7330	44986	-	-		
ZAMBIA	-	-	-	-	-	-	-	-	-	-	-	-	2	5	-	-		
ZIMBABWE	-	-	-	-	-	-	-	-	49	5	-	-	-	-	-	-		
UNSPECIFIED	-	-	-	-	-	-	-	-	-	-	-	-	140	2357	-	-		
TOTAL	1808935	3021604	694381	2954068	2145763	3461508	1857066	3489300	1897637	3852215	3023424	10980489	2550219	7268583	5308650	22744718		

STATEMENT NO.6.1 (CONT.)

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

COUNTRY	IMPORT															
	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
AFGANISTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	86	386
ARGENTINA	-	-	24010	178198	-	-	-	-	-	-	-	-	-	-	-	-
AUSTRALIA	13380091	37243955	12391706	48857577	1444082	79181693	15982936	91001317	20863485	113662393	19734915	15080452	23141828	188108022	18379915	190342984
AUSTRIA	-	-	-	-	-	-	-	-	-	-	-	-	528	3475	-	-
BANLADESH	71494	85011	-	-	-	-	-	-	-	50	162	64	212	-	800	2244
BELGIUM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20592	204561
BHUTAN	111	73	-	-	-	-	-	-	-	-	120	275	-	-	-	-
BOSNIA HARZGOVIN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	58166	1313972
CANADA	-	-	48293	343260	-	-	42633	241996	19	609	53	1640	36	1053	21	337
CHILE	-	-	123900	375039	-	-	-	-	-	-	-	-	-	-	-	-
CHINA P. REP.	2577205	10150050	1861207	36384593	5475725	31677774	8295973	49832869	4299380	48612317	2043741	43522429	130279	2028602	1120075	21836740
COLIMBIA	-	-	38811	304615	-	-	22391	101253	140	1676	603	7623	176962	2594249	156387	1688497
CZECH REP.	-	-	-	-	-	-	-	-	-	-	-	-	1	10	-	-
EGYPT A. REP.	-	-	22158	504441	-	-	26844	275874	32998	329942	-	-	86317	1514360	-	-
GERMAN F. REP.	90	1072	61	2095	162	2717	37	1203	59	1822	76	2857	40	1410	21	752
HONGKONG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	116	2027
INDONESIA	5677558	8095958	9127516	20679749	16057983	36481089	18740878	42913199	19516881	52844545	28767683	126439907	32164179	115473599	38973398	147797062
IRAN	-	-	-	-	-	-	-	-	23376	254889	556	5157	-	-	14286	107492
ISRAEL	-	-	-	-	-	-	-	-	-	-	-	-	43603	306145	-	-
ITALY	-	-	-	-	-	-	480	1311	-	-	-	-	10998	165116	10072	208505
JAPAN	395936	3016698	161400	2711118	99245	681343	370172	2569296	214899	2324820	70343	10076636	281043	4004989	121168	2016917
JORDAN	-	-	-	-	-	-	-	-	-	-	22552	45902	-	-	-	-
KENYA	-	-	-	-	-	-	-	-	-	-	-	-	-	49997	675849	
KOREA REP.	25484	44523	-	-	-	-	-	-	-	-	-	-	-	-	29742	744048
KYRGHZSTAN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	204	2148
LATVIA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	49999	523774
MALYESIA	-	-	141	2348	16	294	22	169	24649	150249	-	-	-	-	11279	147287
MAURITIUS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	61	430

STATEMENT NO.6.1 (CONT.)

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

COUNTRY	IMPORT															
	2003-2004		2004-2005		2005-2006		2006-2007		2007-2008		2008-2009		2009-2010		2010-2011	
	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value	Qty.	Value
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
MEXICO	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21536	239291
MONGOLIA	-	-	-	-	-	-	-	-	-	-	-	-	16	545	-	-
MOROCCO	-	-	-	-	-	-	-	-	12011	154050	-	-	-	-	-	-
MOZAMBIQUE	-	-	-	-	44108	130839	-	-	-	-	-	-	82917	314731	100	685
NEPAL	-	-	-	-	-	-	24	181	14	9	-	-	-	-	-	-
NETHERLAND	-	-	19860	130804	-	-	71	1734	-	-	4	77	46369	518344	7003	19545
NEWZELAND	93487	304108	243434	1133368	606411	4065906	692210	4395593	770544	4494271	839628	8862858	1059317	9976882	836645	8020180
OMAN	-	-	-	-	-	-	-	-	-	-	-	-	29828	164894	-	-
PAKISTAN IR	-	-	-	-	-	-	-	-	8300	36308	115	606	-	-	48	239
PHILIPPINES	-	-	-	-	-	-	-	-	322917	900287	194017	715140	670972	2235122	266672	668177
POLAND	-	-	45000	388963	-	-	-	-	-	-	-	-	384121	5131822	43730	1061861
RUSSIA	272775	2274186	460905	5846118	78811	641603	50200	199181	102179	484268	499263	7743904	2144075	9899116	428599	6191028
SAUDI ARAB	-	-	-	-	3	86	-	-	-	-	-	-	-	-	-	-
SINGAPORE	-	-	5015	11722	-	-	466	1324	80151	610491	-	-	-	-	-	-
SPAIN	-	-	-	-	-	--	-	-	-	-	-	-	95	1976	591	14809
SOUTH AFRICA	642280	1082183	532095	1971505	32439131	9813138	2387874	8175974	6972778	28690262	7093242	44981007	14492318	61269478	2903112	61231979
SRI LANKA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	376	6338
ST LUCIA	-	-	-	-	-	-	-	-	35860	152279	-	-	-	-	-	-
SWEDEN	-	-	-	-	-	-	-	-	-	-	-	-	246192	2671350	-	-
SWITZERLAND	306595	1824751	19589	156472	-	-	15290	141268	-	-	-	-	-	-	-	-
TAIWAN	-	-	100956	332321	-	-	545	5390	-	-	100	1634	-	-	-	-
TAJIKISTAN	-	-	-	-	-	-	-	-	-	-	-	-	53	505	-	-
THAILAND	1664	3120	50	7010	39	507	20	267	20	296	45278	417908	-	-	-	-
U.A.E.	-	-	1562	5011	-	-	-	-	-	-	10326	152262	200	1151	10000	37240
U.K.	3365	22992	1087	14651	983	15336	638	12046	596	10085	600	11730	1330	23579	104407	1093244
UKRAINE	23110	312238	66807	916251	-	-	-	-	-	-	-	-	125538	1131658	51349	599543
U.S.A.	18610	112940	775879	6376995	1022433	7628020	878151	5439054	558632	3669080	1215151	16325013	1494925	14558029	2051559	23623109
VIETNAM SOC.REP.	6298	23650	182692	1162979	120408	86086	301018	1766463	202131	1230855	257863	3419100	206483	2002241	289925	3635509
UNSPECIFIED	-	-	-	--	-	-	-	-	-	-	6000	21343	-	-	387408	2078709
TOTAL	23496155	64597511	26254138	128797208	57389546	170406438	47808881	207077152	54042079	258615976	60802305	277835685	77020577	424102468	66399461	476137515

STATEMENT NO. 6.2

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

STATE	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
1	2	3	4	5	6	7	8	9	10	11	12	13
ANDHRA PRADESH	477.89	510.86	608.94	656.83	704.78	705.48	833.69	855.38	1057.57	1067.60	1203.17	1509.21
ASSAM	383.32	358.96	528.97	698.91	740.74	777.78	725.8	892.19	1221.76	1399.27	1188.42	1655.51
CHATTISGARH	0	517.43	636.84	679.89	738.18	789.85	794.19	1072.82	1371.68	1415.40	1499.79	1711.93
GUJARAT	708.24	848.33	1089.66	1223.54	1370.36	1534.8	1433.14	1547.97	1898.43	2001.14	3166.05	4152.44
JHARKHAND	560.06	566.51	699.46	740.02	842.62	893.18	558.93	988.74	1131.92	1202.42	1463.05	1593.06
JAMMU & KASHMIR	721.73	776.01	886.67	970.53	1057.87	1058.93	1188.79	1149.2	1129.88	1171.55	1238.85	1389.57
MADHYA PRADESH	519.6	534.94	691.15	696.11	701.98	706.19	746.21	1050.4	1178.79	1390.98	1800.85	1848.81
MAHARASHTRA	553.88	621.17	759.59	815.83	872.94	929.68	905.71	1119.39	1502.50	1756.67	2074.98	2104.01
ORISSA	542.77	537.24	721.22	786.87	857.69	934.88	865.63	838.99	1050.95	1175.23	1779.34	1746.36
TAMILNADU	434	536.32	727.94	732.76	737.88	743.04	743.04	796.22	651.38	618.78	2034.96	3101.59
UTTAR PRADESH	447.55	434.97	535.13	545.5	555.86	566.97	622.55	792.49	858.69	847.62	1399.91	1433.75
WEST BENGAL	494.18	534.24	606.97	649.98	695.48	744.16	770.2	881.82	1149.45	1161.26	1390.86	1498.50
ALL INDIA (COAL)	521.38	636.52	666.42	706.6	746.87	787.95	853.5	964.15	1379.86	1471.44	1776.73	1947.75

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, 2010
 (in Rupees)

STATES	Category of Workers											
	BELOW GROUND WORKINGS					OPEN CAST WORKINGS				ABOVE GROUND WORKINGS		OVERALL
	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	7204	5541	5875	5914	5804	5181	7110	4581	16307	5188	5908	
ARUNACHAL PRADE	--	--	--	--	7852	--	--	7456	11244	--	7879	
ASSAM	8478	5493	5279	5025	10201	--	7118	--	7428	7330	6358	
CHATTISGARH	6950	5238	5582	5913	7566	1592	6141	4311	7142	6946	6087	
GUJARAT	--	--	--	--	7494	7844	8666	4608	7434	5325	5402	
JAMMU & KASHMIR	3637	1410	--	1927	--	--	--	--	2672	2013	1738	
JHARKHAND	6348	5671	4838	3370	10098	6014	6028	6396	5791	4055	4725	
MADHYA PRADESH	7894	6862	5390	6045	7639	6359	7535	6879	7516	6627	6368	
MAHARASHTRA	7882	7658	6162	6570	8277	7172	6097	8856	6594	6541	6750	
ORISSA	8079	5794	6321	5052	6268	6864	--	5381	7343	5858	5867	
RAJASTHAN	--	--	--	--	5870	--	--	5805	7332	6230	6073	
TAMILNADU	--	--	--	--	12117	9000	--	10790	13633	13872	12780	
UTTAR PRADESH	--	--	--	--	6442	--	5208	6303	6139	5452	5905	
WEST BENGAL	6572	5332	4727	4923	3645	3000	3266	1554	5573	4343	4680	
ALL INDIA	7132	5725	5464	4857	8432	5631	6395	5991	8030	5726	5808	

October 2014

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