

INDIAN MINES ACT, 1923

ANNUAL REPORT

OF THE

CHIEF INSPECTOR OF MINES IN INDIA

FOR THE YEAR ENDING

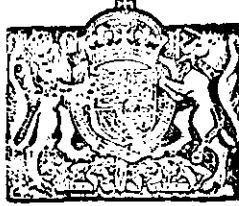
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STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output, Tons.	Average number of							Females.	Total Males and Females.
			Underground.								
			Males.								
			Overmen and Sirdars.	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.			
Assam	Lakhimpur, Makum coalfield	164,176	69	168	224	219	418	1,112	..	1,112	
	Naga Hills, Nazira "	27,624	17	40	31	33	100	220	...	320	
	Sibsagar coalfield	336	1	6	3	2	..	11	...	11	
	Total	192,136	87	233	248	243	527	1,343	...	1,343	
Baluchistan	Quetta-Pishin, For Range coalfield.	4,705	11	31	40	1	..	70	...	70	
	Sitj, Khost coalfield	4,376	7	35	54	4	3	108	...	103	
	Total	9,141	18	66	100	5	3	162	...	182	
Bengal	Bankura	9,748	5	49	22	0	15	97	10	107	
	Birbhum	754	2	4	3	..	..	9	1	10
	Hurdwan	5,681,687	833	13,502	5,024	3,638	4,786	26,576	4,540	31,416	
	Total	5,691,189	840	13,645	5,049	3,644	4,803	26,681	4,551	31,633	
Bihar and Orissa.	Manbhum— Raniganj coalfield (part of)	402,707	68	1,445	375	271	588	3,747	471	3,218	
	Jharla "	7,061,226	936	10,504	7,605	3,686	5,425	34,418	5,687	40,105	
	Hazaribagh— Jharla coalfield (part of)	53,724	0	130	67	17	10	261	41	293	
	Bokaro "	1,304,564	44	1,064	470	140	428	3,155	206	2,301	
	Gridh "	685,934	138	3,800	894	293	818	5,607	631	6,588	
	Karanpura "	342,085	15	500	32	42	56	744	145	850	
	Ranchi— Karanpura coalfield (part of)	1,101	1	5	..	..	..	6	..	6
	Sambalpur— Hingir Rampur coalfield	32,080	2	44	53	0	7	114	11	125	
	Carried over	10,814,440	1,203	28,060	9,764	4,430	7,330	40,402	7,183	54,541	

DIX I.

AND MINERALS.

No. I.

year 1933 at mines under the Indian Mines Act.

persons employed daily in and about the mines.

Overmen and Sirdars.	Open workings.							Total Underground and open workings.	Surface.						Grand Total.	
	Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.		
	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.				
A.L.																
...	...	...	...	...	...	...	...	1,113	22	91	206	370	85	464	1,578
...	...	...	...	...	...	...	...	290	14	31	66	181	1	132	352
...	...	...	...	...	...	...	...	11	...	...	33	38	1	39	50
...	...	...	...	...	...	...	...	1,843	30	122	300	548	87	635	1,078
...	...	...	...	...	...	...	...	79	1	8	...	0	...	0	35
...	...	...	...	...	...	...	...	103	...	2	...	3	...	2	105
...	...	...	...	...	...	...	...	182	1	7	...	8	...	8	190
2	10	7	1	5	25	2	27	134	7	13	12	32	8	40	174	
...	...	...	...	...	...	...	...	10	1	1	3	5	1	6	16
8	115	11	36	201	370	208	578	32,083	1,184	2,019	4,016	8,719	2,480	11,408	43,491	
10	135	18	30	206	395	270	665	32,197	1,103	2,633	4,931	8,750	2,678	11,428	43,621	
5	31	3	0	11	50	32	82	3,300	90	241	458	778	418	1,196	4,505	
23	234	62	31	277	637	356	993	41,000	1,463	8,332	9,413	14,207	4,364	18,571	60,061	
...	...	...	...	...	...	...	...	293	18	33	99	150	78	228	520
64	3,351	568	43	504	3,630	614	4,244	6,808	170	488	1,508	2,166	566	2,672	6,477	
3	166	11	6	14	191	176	367	6,954	78	140	706	924	207	1,131	6,085	
1	210	146	60	201	730	188	918	1,753	62	133	256	451	147	598	2,351	
1	13	...	...	1	15	10	25	31	1	1	17	19	4	33	64
...	...	...	...	...	...	...	...	125	...	17	14	31	16	47	172
117	3,000	760	164	1,164	5,248	1,527	6,775	100,360	1,800	4,365	12,451	18,726	5,740	24,466	84,826	

STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of							
			Underground.						Total Males and Females.	Total Males and Females.
			Males.							
		Ovemen and Birkars.	Coal-cutters.	Loaders.	Other skilled labour.	Other unskilled labour.	Total Males.	Females.		
	Brought forward	Tons. 10,814,440	1,203	23,660	0,764	4,430	7,338	46,402	7,203	CO 64,641
Bihar and Orissa— contd.	Sonthal Pargana—									
	Jainty coalfield	43,530	19	175	103	43	41	331	41	423
	Haniganj coalfield (part of).	81,717	16	355	...	38	57	406	60	556
	Total	10,932,693	1,238	24,100	9,867	4,511	7,434	47,340	7,203	64,641
Central Pro- vinces.	Chanda	256,344	36	1,073	590	71	380	2,149	162	2,330
	Chhindwara, Pench Valley coalfield.	979,170	63	2,857	989	431	620	5,046	664	5,710
	Total	1,334,623	111	3,930	1,559	552	1,013	7,194	846	8,040
Punjab	Jhelum, Salt Range coalfield	41,062	39	165	110	120	130	600	...	609
	Mianwall "	45,681	14	68	69	15	63	320	...	220
	Shahpur "	7,450	4	40	...	5	40	59	...	59
	Total	94,090	57	303	188	140	330	927	...	927
	Grand Total (Coal) for 1933.	19,100,681	2,161	42,300	17,041	8,300	14,018	83,876	12,080	96,665
	Grand Total of preceding year.	18,710,687	2,397	42,634	15,790	8,004	13,023	83,713	14,583	98,296
	Difference	-558,006	-246	-263	+1,245	-664	+96	+163	-1,894	-1,731

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

persons employed daily in and about the mines.

Open workings.								Total underground and Open workings.	Surface.					Grand Total.	
Males.					Females.	Total Males and Females.	Males.				Total Males and Females.				
Overman and Sirdars.	Contractors.	Leaders.	Other skilled labour.	Other unskilled labour.			Total Males.		Clerical and supervising staff.	Skilled labour.		Unskilled labour.	Total Males.		Females.
A.L.— <i>contd.</i>															
117	3,009	780	184	1,188	5,248	1,537	6,775	80,359	1,890	4,384	13,451	18,728	5,740	24,468	84,828
1	...	...	...	5	0	...	5	438	52	00	59	187	80	217	645
...	...	...	...	...	...	...	...	558	22	41	80	140	57	200	741
118	3,009	780	184	1,198	5,264	1,537	6,781	61,323	1,950	4,439	13,620	19,009	5,827	24,836	88,211
4	...	...	...	40	44	...	44	2,374	00	109	423	529	110	707	2,081
...	...	...	...	3	4	...	8	5,718	147	545	1,965	1,749	615	2,364	8,080
4	...	...	...	3	44	...	1	6,093	207	054	1,453	2,364	725	3,089	11,161
2	0	6	...	...	17	...	17	636	33	61	206	289	...	329	936
...	...	...	...	...	...	...	...	220	14	6	146	195	11	177	406
...	...	...	...	...	...	...	...	69	7	0	60	66	...	66	165
2	0	6	...	...	17	...	17	644	58	70	233	301	71	372	1,616
134	3,145	804	303	1,443	5,717	1,780	7,515	104,080	3,439	7,294	19,840	31,270	8,348	40,017	144,707
139	3,025	780	246	1,080	5,781	2,316	8,048	100,344	3,068	6,635	10,960	33,107	9,049	42,146	142,490
-6	-119	+19	-53	-23	-15	-519	-553	-2,264	-254	-651	-112	-016	-600	-1,518	-3,763

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

		Open workings.							Surface.						
		Males.			Total Males.	Females.	Total Males and Females.	Total Underground and Open workings.	Males.				Females.	Total Males and Females.	Grand Total
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Clerical and supervising staff.					Skilled labour.	Unskilled labour.	Total Males.				
ORE															
47	1,165	27	207	1,446	761	2,207	2,207	106	104	546	756	228	984	3,191	
...	...	...	...	...	...	...	...	7	2	44	53	...	53	53
2	...	3	87	92	14	106	106	2	1	110	113	33	146	252	
2	...	3	87	92	14	106	106	9	3	154	160	33	199	305	
49	1,165	30	294	1,536	775	2,313	2,313	115	107	700	922	261	1,183	3,496	
44	1,551	56	135	1,786	938	2,724	2,724	74	103	590	776	204	980	3,704	
+8	-386	-26	+150	-248	-163	-411	-411	+41	+4	+101	+146	+57	+203	-208	
ORE															
5	95	9	18	127	92	219	219	4	10	23	37	34	71	290	
...	...	...	...	...	...	...	...	4	3	41	48	16	64	64

STATISTICS OF MINES

Table

Number of workers and output of minerals during

Province.	District and Mineral field.	Total Output.	Average number of persons employed							
			Underground.							
			Males.					Total Males.	Females.	Total Males and Females.
			Foremen and Matos.	Miners.	Other skilled labour.	Other unskilled labour.				
MANGANESE										
Central Provinces		Tons.								
	Balsghat . . .	20,501	2	...	...	4	6	...	6
	Bhandara . . .	60	...	...	...	...	...	...	...
	Chhindwara . . .	8,228	...	...	...	...	...	...	...
	Total . . .	28,789	2	...	...	4	6	...	6
Madras . . .	Kurnool . . .	300	...	...	...	...	...	...	...
	Vizagapatam . . .	16,998	...	...	...	...	...	...	...
	Total . . .	16,998	...	...	...	...	...	...	...
	Grand Total (Manganese Ore) for 1933.	53,240	2	...	...	4	6	...	6
	Grand Total for preceding year.	88,119	11	224	3	02	300	...	300	
	Difference . . .	-34,879	-9	-224	-3	-58	-204	...	-204	

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*the year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.					Grand Total.		
Males.					Females.	Total Males and Females.		Males.				Females.		Total Males and Females.	
Foremen and Mates.	Minors.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.				
ORE— <i>contd.</i>															
23	291	2	3	319	310	629	635	8	22	83	113	87	200	835	
...	...	...	2	2	2	4	4	...	...	8	8	2	10	14
5	112	...	..	117	114	231	231	4	6	30	40	16	56	287
28	403	2	5	438	426	864	870	12	28	121	161	105	266	1,136	
1	4	...	2	7	...	7	7	...	..	...	...	...	...	7
9	477	2	...	48	256	744	744	7	16	6	29	4	33	777	
10	481	2	2	495	256	851	851	7	16	6	29	4	33	784	
43	979	13	25	1,060	774	1,834	1,840	27	57	191	275	159	434	2,274	
82	1,300	111	180	1,673	1,226	2,899	3,199	55	52	277	384	313	697	3,896	
-39	-321	-98	-155	-613	-452	-1,065	-1,359	-28	-5	-86	-109	-154	-263	-1,622	

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1933 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.					Total Males and Females.	Total Underground and Open workings.	Surface.					Grand Total.		
Males.				Females.			Males.				Females.		Total Males and Females.	
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.				Total Males.	Clerical and supervising staff.	Skilled labour.	Unskilled labour.				Total Males.
ORE.														
1	43	44	...	44	2,920	59	184	246	489	...	489	3,4
...	2	...	...	10	10	...	10	...
1	43	44	...	44	2,922	59	184	256	499	...	499	3,4
1	18	10	...	19	2,740	78	199	168	445	...	445	3,11
...	+25	+25	...	+25	+182	-19	-15	+28	+54	...	+54	+25
AD.														
in those for Lead Ore.														
...
...

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.					Total Males and Females.	Females.	Total Males and Females.	Total Underground and Open workings.	Surface.				Total Males and Females.	Grand Total.
Males.									Males.					
For men and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.					Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.			Females.	Total Males and Females.
LEAD.														
in those for Lead Ore.														
...
...
...
VEE.														
in those for Gold.													...	...
in those for Lead Ore.													...	...
...
...
...
LD.														
...	6	6	1	7	22	2	5	15	22	14	36	58
...	7	...	1	2	3	...	3	10
...	6	6	1	7	29	2	6	17	25	14	39	68
...	26	...	14	82	96	...	96	122
...	6	6	1	7	55	2	20	99	121	14	135	190
...	15	6	2	23	5	28	30	...	1	3	4	...	4	31
...	-15	-6	+4	+17	-4	-21	+25	+2	+19	+96	+117	+14	+131	+156

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
		Tons.							TIN
Burma	Amherst . . .	10	..	..	..	..	..	..	..
	Mergui . . .	979	6	167	4	74	251	..	251
	Tavoy . . .	2,216	13	974	71	223	1,284	..	1,284
	Thaton . . .	4	..	46	..	..	46	..	46
	Grand Total (Tin Ore) for 1933.	3,209	19	1,187	78	297	1,581	..	1,581
	Grand Total for preceding year.	2,957	8	1,132	71	89	1,370	..	1,270
Difference . . .	+252	+11	+55	+7	+208	+311	..	+311	
		Tons.							WOLFRAM
Burma	Morgui . . .	74	}						Figures included
	Tavoy . . .	762							
	Grand Total (Wolfram Ore) for 1933.	836	..	..	..	..	..	..	..
	Grand Total for preceding year.	818	..	..	..	..	..	..	..
	Difference . . .	+12	..	..	..	..	..	..	..

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed								
			Underground.								
			Males.					Females.	Total Males and Females.		
			Foremen and Mates.	Minors.	Other skilled labour.	Other unskilled labour.	Total Males.				
Baluchistan	Zhob . . .	Tons. 2,702	...	...	...	...	...	...	...	CHROMITE	
	Bihar and Orissa	Singhbhum . . .	7,068	...	...	...	...	...	...		...
		Grand Total (Chromite Ore) for 1933.	9,770	...	...	...	...	...	...		...
		Grand Total for preceding year.	7,866	...	...	...	...	...	...		...
	Difference . . .	+1,904	...	...	...	...	...	...	...	...
Bihar and Orissa.	Singhbhum . . .	Tons. 201,722	2	22	344	940	1,308	...	1,308	COPPER	
		Total of preceding year.	175,375	4	37	357	885	1,283	...		1,283
		Difference . . .	+26,347	-2	-15	-13	+55	+25	...		+25

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.	
For men and Males.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			
ORE.														
2	39	...	...	31	...	31	31	3	...	20	23	...	23	54
46	459	65	42	612	582	1,194	1,194	15	25	8	43	52	95	1,289
48	458	65	42	643	582	1,225	1,225	18	25	23	66	52	118	1,343
47	466	115	55	703	570	1,273	1,273	16	28	19	65	40	105	1,378
+1	+2	-50	-13	-60	+12	-46	-48	...	-3	+4	+1	+12	+13	-35
ORE.														
...	...	...	...	...	...	...	1,308	22	209	266	517	225	742	2,050
3	...	1	56	60	23	83	1,366	22	140	160	348	172	520	1,886
-3	...	-1	-56	-60	-23	-83	-58	...	+69	+100	+169	+53	+222	+164

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
Burma . . .	Northern Shan States.	Tons. 12,550	COPPER Figures included						
	Total of preceding year.	9,729	...	...	...	...	...	...
	Difference . . .	+2,821	...	...	...	...	...	...
Burma . . .	Northern Shan States.	Tons. 3,350	NICKEL Figures included						
	Total of preceding year.	3,560	...	...	...	...	...	...
	Difference . . .	-230	...	...	...	...	...	...
Burma . . .	Northern Shan States.	Tons. 61,432	ZINC CON Figures included						
	Total of preceding year.	44,481	...	...	...	...	...	...
	Difference . . .	+16,948	...	...	...	...	...	...

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
		Cwt.							MI
Bihar and Orissa.	Gaya	8,402	45	1,065	646	337	2,093	...	2,093
	Hazaribagh	24,266	344	3,941	587	1,169	6,041	...	6,041
	Monghyr	6	...	..	...	...	...	...	...
	Total	32,674	389	5,006	1,233	1,506	8,134	...	8,134
Madras	Nellore	7,932	42	364	125	173	704	...	704
	Nilgiris	73	1	11	1	8	21	...	21
	Total	8,005	43	375	126	181	725	...	725
	Ajmer-Merwara	326	5	34	...	...	39	...	39
	Grand Total (Mica) for 1933.	41,005	437	5,415	1,359	1,687	8,898	...	8,898
	Grand Total for preceding year.	32,644	279	3,994	690	1,269	6,232	...	6,232
	Difference	+ 8,361	+ 138	+ 1,421	+ 669	+ 418	+ 2,666	...	+ 2,666

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1933 at mines under the Indian Mines Act—contd.

daily in and about the mines.

For men and Males.	Open workings.						Total Underground and Open workings.	Surface.						Grand Total.	
	Males.				Females.	Total Males and Females.		Males.				Females.	Total Males and Females.		
	Minors.	Other skilled labour.	Other unskilled labour.	Total Males.				Glaciery and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.				
CA.															
13	245	172	150	560	14	603	2,696	72	84	53	200	14	223	2,919	
51	243	75	180	540	92	641	6,682	211	221	320	752	239	991	7,673	
1	6	9	..	18	..	18	18	1	..	..	1	18	19	37
65	496	250	330	1,156	106	1,262	9,396	224	305	373	902	271	1,233	10,620	
15	91	55	51	212	248	460	1,164	41	134	58	263	347	610	1,774	
...	...	...	...	...	...	...	21	1	3	3	7	...	7	28
15	91	75	51	212	248	460	1,185	42	137	91	270	347	617	1,802	
6	26	6	...	33	25	63	102	...	20	2	22	4	26	1,23	
86	618	317	300	1,406	379	1,785	10,653	326	402	460	1,254	622	1,876	12,559	
110	2,202	232	362	3,526	317	3,843	10,075	252	432	510	1,000	731	1,931	12,006	
-24	-1,560	+65	-572	-2,120	+62	-2,058	+603	+74	+30	-50	+54	-109	-55	+553	

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.	
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			
L.T.														
1	12	...	...	13	3	16	631	1	69	255	325	...	325	956
...	...	...	...	...	...	...	149	...	...	...	..	...	...	149
...	...	...	...	...	...	...	133	...	9	73	82	..	82	215
SITE.														
1	11	...	...	13	3	16	913	1	78	328	407	...	407	1,320
1	7	...	...	8	...	8	770	1	69	370	440	..	440	1,210
...	+5	...	...	+5	+3	+8	+143	..	+9	-12	-33	...	-33	+110
18	105	34	298	455	249	704	704	12	17	82	111	15	126	830
9	155	..	374	538	306	844	844	12	108	16	196	22	168	1,002
+9	-30	+34	-76	-83	-57	-140	-140	..	-91	+66	-23	-7	-32	-172

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

TITE.	Open workings.						Total Underground and Open workings.	Surface.					Grand Total.		
	Males.					Females.		Total Males and Females.	Males.					Females.	Total Males and Females.
	Foremen and Matos	Miners.	Other skilled labour	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.			
1	26	...	...	27	...	27	27	1	...	5	6	..	6	33
4	0	4	11	28	35	63	63	5	...	24	29	18	47	110	
5	35	4	11	55	35	90	90	6	...	29	35	18	53	143	
1	12	...	15	28	40	68	96	..	2	5	7	14	21	117	
...	...	10	1	11	1	12	12	1	...	...	1	...	1	13
1	40	8	20	69	4	73	147	2	8	53	62	1	63	210	
7	67	22	47	163	80	243	345	9	10	86	105	33	138	483	
8	68	4	32	197	83	290	222	3	...	25	28	36	64	266	
-1	+24	+18	+15	+56	-3	+53	+123	+6	+10	+61	+77	-3	+74	+197	
27	6	56	46	190	52	242	242	...	...	...	...	...	...	242
1	...	20	...	21	3	24	24	...	...	..	...	...	...	24
28	61	76	46	211	55	266	266	..	...	...	...	...	...	266

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1933 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.	
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			
TE—contd.														
12	38	46	30	126	...	126	126	1	3	6	12	...	12	138
41	75	91	68	275	...	275	275	...	...	...	...	...	...	275
53	113	137	93	401	...	401	401	1	3	8	12	...	12	413
81	174	213	144	612	35	667	667	1	3	8	12	...	12	679
58	189	172	111	530	46	576	576	1	...	3	4	...	4	580
+23	-15	+41	+33	+82	+9	+91	+91	...	+3	+5	+8	...	+8	+99
STONE.														
1	61	2	6	70	20	90	90	1	2	10	13	8	21	111
68	270	58	57	1,023	143	1,166	1,166	73	76	125	274	34	308	1,474
2	...	...	18	20	16	36	36	...	...	...	...	...	...	36
71	331	90	621	1,113	179	1,292	1,292	74	78	135	287	42	329	1,621
6	80	2	160	248	40	288	288	3	5	20	28	...	28	316
3	14	20	40	77	80	107	107	2	1	5	8	...	8	115
6	...	4	154	164	...	164	164	...	...	...	...	...	...	164
9	14	24	194	241	30	271	271	2	1	5	8	...	8	279
1	5	1	9	16	10	26	26	2	3	7	14	6	20	48
86	452	115	1,386	2,039	2,387	4,426	4,426	38	56	213	301	216	520	4,946
...	26	...	...	26	16	42	42	2	...	12	14	5	19	61
3	...	...	38	41	28	69	...	...	6	13	10	...	19	63
90	483	110	1,433	2,122	2,411	4,563	4,563	39	67	245	351	227	576	5,141

STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
LIME									
Punjab	Attock	Tons. 50,445	...	...	...	...	...	...
	Jhelum	15,798	...	...	...	...	...	...
	Rawalpindi	58,055	...	...	...	...	...	...
	Shahpur	2,961	...	...	...	...	...	...
	Total	157,879	...	...	...	...	...	...
Grand Total (Limestone) for 1933		1,120,110	...	...	...	...	...	...
Grand Total for preceding year		725,378	...	...	...	...	...	...
Difference		+394,732	...	...	...	...	...	...
STONE (CHIEFLY IGNEOUS)									
Bengal	Birbham	Tons. 212,265	...	...	...	...	...	...
Bihar and Orissa.	Gaya	60,120	...	...	...	...	...	...
	Monghyr	11,112	...	...	...	...	...	...
	Palamanu	2,977	...	...	...	...	...	...
	Shahabad	31,364	...	...	...	...	...	...
	South Parganas	297,962	...	...	...	...	...	...
	Singhbhum	61,456	...	...	...	...	...	...
Total		464,691	...	...	...	...	...	...
Bombay	Bombay	112,561	...	...	...	...	...	...
	Bombay Suburban	18,255	...	...	...	...	...	...
	Hyderabad	8,711	...	...	...	...	...	...
	Korra	21,032	...	...	...	...	...	...
	Karachi	1,229	...	...	...	...	...	...
	Sakaar	48,878	...	...	...	...	...	...
	Surat	78,529	...	...	...	...	...	...
Tham	19,211	...	...	...	...	...	...
Total		306,436	...	...	...	...	...	...

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*year 1938 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.		
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.			
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.					
STONE—<i>contd.</i>																
5	...	...	158	160	...	160	160	3	4	42	49	...	49	209
1	...	...	18	14	...	14	14	1	...	40	41	...	41	55
5	5	24	85	119	...	119	119	5	3	264	272	...	272	391		
1	...	...	50	...	...	51	51	1	...	...	1	...	52	52
12	5	24	308	344	...	344	344	10	7	346	363	...	363	707		
188	913	256	2,711	4,068	2,690	6,758	6,758	128	158	761	1,037	269	1,306	8,064		
211	997	288	2,021	3,517	2,096	5,613	5,613	147	142	740	1,029	235	1,264	6,877		
-23	-84	-32	+600	+351	+594	+1,145	+1,145	-19	+16	+11	+6	+34	+42	+1,187		
ROCK																
1	316	30	22	369	11	380	380	24	165	262	451	66	517	697		
26	...	...	331	357	223	580	550	...	...	...	...	...	...	580
1	30	...	27	58	41	99	99	...	...	...	...	...	...	95
2	...	...	37	90	...	99	99	1	...	...	1	...	1	40
14	13	380	87	494	74	568	568	...	...	...	...	...	...	568
14	216	309	477	1,107	143	1,260	1,260	69	173	440	682	177	859	2,109		
12	...	...	351	363	264	627	627	3	...	85	98	24	62	689
69	261	776	1,310	2,416	745	3,163	3,163	73	173	476	721	201	922	4,065		
...	74	37	79	190	...	190	190	11	...	...	11	34	45	235
1	4	...	21	26	5	31	31	2	16	25	43	...	43	74		
...	...	...	53	53	...	53	53	...	...	...	...	...	...	53
2	4	4	10	10	...	10	10	5	4	90	99	10	109	119		
...	26	...	28	54	7	61	61	...	...	...	...	...	...	68
9	59	46	...	114	20	164	164	2	4	52	58	1	59	223		
7	20	57	142	235	193	425	428	6	...	...	6	...	6	434
5	...	...	107	112	52	164	164	6	...	...	6	...	6	176
24	196	144	430	794	307	1,101	1,101	32	24	174	230	45	275	1,376		

STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Blat.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
			STONE (CHIEFLY IGNEOUS)						
Burma	Kyaukse	2,500	...	...	...	...	...	...
	Lower Chhindwin	17,405	...	...	...	...	...	...
	Tavoy	4,785	...	...	...	...	...	...
	Thaton	170,475	...	...	...	...	...	...
	Toungoo	9,800	...	...	...	...	...	...
	Total	210,965	...	...	...	...	...	...
Central Provinces.	Akola	12,395	...	...	...	...	...	...
	Saugor	1,300	...	...	...	...	...	...
	Total	13,695	...	...	...	...	...	...
Madras	Chingleput	91,519	...	...	...	...	...	...
	East Godavari	2,850	...	...	...	...	...	...
	Guntur	27,322	...	...	...	...	...	...
	Kistna	1,690	...	...	...	...	...	...
	Madura	600	...	...	...	...	...	...
	South Arcot	583	...	...	...	...	...	...
	Total	124,564	...	...	...	...	...	...
Punjab	Jhelum	96,397	...	...	...	...	...	...
	Kangra	94,158	...	...	...	...	...	...
	Mianwali	45,622	...	...	...	...	...	...
	Sheikhpura	44,853	...	...	...	...	...	...
	Total	281,060	...	...	...	...	...	...
United Provinces.	Allahabad	2,407	...	...	...	...	...	...
	Banda	5,489	...	...	...	...	...	...
	Jhansi	34,646	...	...	...	...	...	...
	Saharanpur	10,848	...	...	...	...	...	...
	Total	52,890	...	...	...	...	...	...
	Grand Total (Stone) for 1933.	1,686,766	...	...	...	...	...	...
	Grand Total for preceding year.	1,289,652	...	...	...	...	...	...
	Difference	+377,114	...	...	...	...	...	...

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1933 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Upon workings.							Total Underground and Upon workings.	Surface.					Grand Total.	
Males.						Females.		Males.				Females.		
Foremen and Matees.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.	Total Males and Females.			Clerical and supervis- ing staff.	Skilled labour.	Unskilled labour.	Total Males.			Total Males and Females.
...	...	...	20	20	20	40	40	...	...	...	...	...	...	40
...	...	...	225	225	...	225	225	...	...	...	...	...	...	245
...	...	5	61	66	96	162	162	...	...	...	...	...	...	162
13	943	81	181	1,218	13	1,231	1,231	4	14	12	30	...	30	1,261
...	...	...	78	76	7	83	83	...	...	...	...	...	...	83
13	943	66	563	1,605	156	1,741	1,741	24	14	12	50	...	50	1,791
3	...	...	69	62	43	105	105	1	...	...	1	...	1	106
...	...	...	36	36	...	36	36	...	...	...	...	...	...	36
3	...	...	95	98	43	141	141	1	...	...	1	...	1	142
...	...	386	89	475	469	894	884	23	1	96	120	50	170	1,054
...	...	10	43	53	22	75	75	...	...	...	...	...	...	75
...	26	5	347	378	130	508	508	5	...	50	55	40	95	608
...	...	...	9	9	...	9	9	2	...	10	12	...	12	21
...	...	...	5	5	10	15	15	...	...	...	...	...	...	15
...	2	...	10	12	4	16	16	...	...	...	...	...	...	16
...	28	401	503	932	575	1,507	1,507	30	1	156	187	90	277	1,784
8	158	1	199	366	41	410	410	3	5	14	22	...	22	432
...	...	...	...	...	...	...	...	...	...	822	822	72	894	894
5	...	...	100	105	40	145	145	...	...	...	...	...	...	145
2	23	50	113	188	...	188	188	...	15	...	15	...	15	203
15	181	51	412	659	84	743	743	3	20	836	859	72	931	1,674
3	23	30	43	100	18	118	118	3	...	...	3	15	18	136
4	...	...	59	63	10	73	73	4	...	32	36	...	36	109
22	252	15	94	353	78	461	461	16	58	146	220	107	327	788
2	...	...	129	131	59	190	190	2	1	29	32	4	36	226
81	275	45	326	677	165	842	842	25	59	207	291	126	417	1,259
166	2,200	1,536	3,661	7,552	2,066	9,618	9,618	212	456	2,123	2,790	600	3,399	13,006
176	2,278	1,094	3,515	7,065	1,757	8,822	8,822	238	251	1,268	1,757	670	2,427	11,249
-78	-72	+441	+146	+487	+309	+796	+796	-26	+205	+854	+1,033	-70	+963	+1,759

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						Total Males and Females.
			Underground.						
			Males.					Females.	
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
Bihar and Orissa.	Shahabad . . .	Tons 24,557	...	...	...	...	...	SAND ...
Burma . . .	Toungoo . . .	21,215	...	...	...	...	...	...
United Provinces.	Allahabad . . .	13,444	...	...	...	...	...	...
	Banda . . .	2,523	...	...	...	...	...	...
	Total . . .	15,987	...	...	...	...	...	...
	Grand Total (Sandstone) for 1933.	61,739	...	...	...	...	...	...
	Grand Total for preceding year.	29,714	...	...	...	...	...	...
	Difference . . .	+32,025	...	...	...	...	...	...
Burma . . .	Thatou . . .	Tons. 37,263	LATE						
	Toungoo . . .	268	...	...	...	...	...	Figures included ...
	Total . . .	37,531	...	...	...	...	...	...
Central Provinces.	Jubbulpore . . .	8,222	...	...	...	...	...	...
	Grand Total (Late-rite) for 1933.	40,793	...	...	...	...	...	...
	Grand Total for preceding year.	27,205	...	...	...	...	...	...
	Difference . . .	+18,588	...	...	...	...	...	...

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.								Total Underground and Open workings.	Surface.						Grand Total.
Males.				Total Males and Females.	Females.	Males.				Total Males and Females.					
Foreman and Mates.	Miners.	Other skilled labour.	Other unskilled labour.			Clerical and supervis- ing staff.	Skilled labour.		Unskilled labour.		Total Males.	Females.			
STONE.															
3	10	...	84	106	...	106	106	...	...	15	15	9	24	130
3	5	10	31	49	...	49	49	...	1	4	5	...	5	54	
5	1	9	63	77	38	110	110	1	4	...	5	...	5	115	
1	1	2	11	15	9	24	24	1	2	...	3	...	3	27	
6	2	11	73	92	42	134	134	2	6	...	8	...	8	142	
12	26	21	188	247	42	289	289	2	7	19	28	9	37	326	
5	44	60	106	215	39	257	257	5	2	4	9	...	9	266	
+4	-18	-39	+82	+29	+3	+32	+32	-1	+5	+15	+19	+9	+28	+60	
RITE. in those for Stone.															
...	10	...	...	10	...	10	10	...	...	...	...	...	...	10
...	10	...	...	10	...	10	10	...	...	...	...	...	...	10
3	...	7	48	58	72	130	130	1	4	...	5	4	9	139	
3	10	7	48	68	72	140	140	1	4	...	5	4	9	149	
3	11	5	32	51	29	80	80	3	2	8	13	...	18	93	
...	-1	+2	+16	+17	+43	+60	+60	-2	+2	-8	-8	+4	-1	+56	

APPEN
STATISTICS OF MINES

Table
Number of workers and output of minerals during the

Provinces.	District and mineral field.	Total Output.	Average number of persons employed											
			Underground.											
			Males.					Females.	Total Males and Females.					
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.							
			GRA											
Bihar and Orissa.	Singhbhum . . .	Tons. 3,590	} Figures included											
Madras . . .	Guntur . . .	40												
United Provinces	Jhansi . . .	674												
	Grand Total (Gravel) for 1933.	4,304						
	Grand Total for preceding year.	25,252						
	Difference . . .	-20,948	...	...	...	...	...	...
			MU											
Bihar and Orissa.	Singhbhum . . .	Tons. 1,934	} Figures included											
Bombay . . .	Bombay Suburban	3,027												
Central Provinces.	Saugar . . .	60												
Madras . . .	Guntur . . .	800												
United Provinces.	Allahabad . . .	108												
	Jhansi . . .	2,687												
	Total . . .	2,795												
	Grand Total (Murum) for 1933.	8,616	...	...	...	...	...	...
	Grand Total for preceding year.	16,384	...	...	...	...	...	...
	Difference . . .	-8,768	...	...	...	...	...	...

STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and mineral field.	Total Output.	Average number of persons employed					
			Underground.					
			Males.					Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.	
						Females.		
Bengal	Burdwan	Tons. 16,700	...	...	...	...	...	SA
Central Provinces.	Jubbulpore	181	...	...	...	...	...	...
	Saugor	20	...	...	...	...	...	...
	Total	201	...	...	...	...	...	...
	Grand Total (Sand) for 1933.	16,901	...	...	...	...	...	...
	Grand Total for preceding year	...	...	...	...	...	...	...
	Difference	+16,901	...	...	...	...	...	...
Bengal	Burdwan	Tons. 1,165	...	...	...	...	...	FIRE
Bihar and Orissa.	Manbhum	13,752	...	...	...	...	...	...
	Palamu	3,559	...	...	...	...	...	...
	Sambalpur	4,400	...	...	...	...	...	...
	Total	21,711	...	...	...	...	...	...

Figures include

DIX I—*contd.*AND MINERALS—*contd.*No. 1—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.								Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.	Males.				Females.	Total Males and Females.			
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.			Clerical and supervising staff.		Skilled labour.	Unskilled labour.			Total Males.		
ND	2	47	..	...	49	25	74	74	2	...	31	33	...	33	107
...	..	...	...	3	3	...	3	3	1	...	..	1	...	1	4
in those for stone															
...	...	...	...	3	3	...	3	3	1	...	...	1	...	1	4
...	2	47	...	3	52	25	77	77	3	...	31	34	...	34	111
...
...	+2	+47	...	+3	+52	+25	+77	+77	+3	...	+31	+34	...	+34	+111
CLAY	1	10	6	10	29	7	36	36	...	...	10	10	8	18	64
...	162	78	...	66	326	35	361	361	2	13	38	53	6	59	420
...	1	27	...	...	28	17	45	45	1	...	9	10	9	10	64
...	1	15	...	1	17	6	22	22	1	...	10	11	6	17	39
...	164	130	...	87	371	57	428	428	4	18	57	74	21	95	523

STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and Mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
Central Provinces.	Jubbulpore . . .	Tons. 23,636	...	..	...	..	...	...	FIRE
	Grand Total (Fire Clay) for 1933.	46,712	...	..	..	..	...	...	...
	Grand Total for preceding year.	32,683	..	...	...	...	...	...	...
	Difference . . .	+14,019	...	...	...	...	...	...	...
Bihar and Orissa.		Tons.							CHINA
	Bhagalpur . . .	19	...	2	2	...	4	...	4
	Singhbhum . . .	10,530	...	...	...	...	...	...	...
	Total . . .	10,549	...	2	2	...	4	...	4
Burma . . .	Thaton . . .	891	...	...	...	...	...	...	...
Delhi . . .	Dolhi . . .	5,342	6	31	4	...	41	..	41
Rajputana . . .	Ajmer-Morwara . . .	940	..	...	..	...	...	..	...
	Grand Total (China Clay) for 1933.	17,122	6	33	6	...	45	...	45
	Grand Total for preceding year.	10,000	...	...	...	...	...	...	...
	Difference . . .	+7,102	+6	+33	+6	...	+45	...	+45

DIX I—contd.

AND MINERALS—contd.

No. 1—contd.

year 1933 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.	
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and super- vising staff.	Skilled labour.	Unskilled labour.	Total Males.			
CLAY—contd.														
3	...	...	174	177	198	378	375	2	...	20	23	...	22	397
168	130	8	271	577	262	839	839	6	18	87	108	29	135	974
8	85	45	180	318	187	505	505	6	4	197	207	95	302	807
+160	+45	-87	+91	+59	+75	+334	+334	...	+9	-110	-101	-80	-167	+167
CLAY.														
...	1	...	1	2	7	9	13	...	...	...	...	...	...	13
21	131	3	209	364	426	792	792	24	33	179	236	209	445	1,237
21	132	3	210	368	435	801	805	24	33	173	236	209	445	1,250
...	...	...	4	4	...	4	4	1	...	0	7	...	7	11
2	8	...	11	21	...	21	62	1	1	13	15	2	17	79
1	...	...	4	5	...	5	5	...	...	...	...	...	...	5
24	140	3	229	396	435	831	876	26	34	198	258	211	469	1,345
17	251	2	44	314	489	803	803	20	30	137	187	233	420	1,223
+7	-111	+1	+185	+82	-54	+28	+73	+6	+4	+61	+71	-22	+40	+122

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
		Tons						CL	
Assam . . .	Lakhimpur . . .	4,139	...	...	...	...	..	...
Bengal . . .	Burdwan	5,126	...	...	..	...	...	...
Central Provinces.	Jubbulpore . . .	5,624	...	...	...	...	...	...
Punjab . . .	Attock	25,347	Figures included in those						
	Grand Total (Clay) for 1933.	40,236	...	...	...	...	...	...
	Grand Total for preceding year.	29,865	...	...	...	...	...	...
	Difference	+ 10,351	...	...	...	...	...	...
Madras . . .	Anantapur . . .	Tons. 110	...	...	...	...	...	BARY
	Cuddapah	1,886	...	...	...	...	...	...
	Kurnool . . .	724	2	9	...	...	...	11
	Grand Total (Barytes) for 1933.	2,720	2	9	...	...	...	11
	Grand Total for preceding year.	2,093	...	...	...	...	...	...
	Difference	+ 627	+ 2	+ 9	...	...	...	+ 11

DIX I—*contd.*AND MINERALS—*contd.*No. I—*contd.*year 1933 at mines under the Indian Mines Act—*contd.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.						Grand Total.
Males.					Females.	Total Males and Females.		Males.				Females.	Total Males and Females.	
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and super- vising staff.	Skilled labour.	Unskilled labour.	Total Males.			
AY.														
1	...	...	25	20	10	36	36	...	...	...	...	...	...	36
...	...	18	...	13	17	30	30	...	7	...	7	...	7	37
1	...	2	6	9	11	20	20	...	...	...	...	...	...	20
for Limestone.														
2	...	15	31	46	35	86	86	...	7	...	7	...	7	93
2	37	...	20	59	24	83	83	2	14	...	16	9	25	108
...	-37	+15	+11	-11	+14	+3	+8	-2	-7	...	-9	-9	-18	-15
TES.														
...	...	...	23	23	...	23	23	4	...	...	4	...	4	27
...	85	7	13	55	40	95	95	2	...	39	41	56	97	192
1	...	12	21	34	...	34	45	...	...	4	4	38	39	84
1	85	19	57	112	40	152	163	6	...	43	49	91	140	303
...	61	14	38	113	63	176	176	14	16	8	38	64	109	276
+1	-26	+5	+19	-1	-23	-24	-13	-6	-16	+35	+11	+27	+36	+25

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and mineral field.	Total Output.	Average number of persons employed						
			Underground.						
			Males.					Females.	Total Males and Females.
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
Madras . . .	Trichinopoly . . .	Tons. 37	...	...	...	...	...	...	APA ...
	Total for preceding year.	121	...	...	...	...	...	...	...
	Difference . . .	-84	...	...	...	...	...	...	...
Central Provinces.	Chanda . . .	Tons. 125	1	4	...	...	5	...	OCH 5
United Provinces.	Banda . . .	134	...	5	...	...	5	...	5
	Grand Total (Ochre) for 1933.	259	1	9	...	...	10	...	10
	Grand Total for preceding year.	371	1	8	...	...	9	...	9
	Difference . . .	-12	...	+1	...	...	+1	...	+1
Central Provinces.	Jubbulpore . . .	Tons. 35	FULLER'S						
	Total of preceding year.	19	...	...	..	...	..	...	...
	Difference . . .	+16	...	...	..	...	...	...	...

Figures included in those for

DIX I—contd.

AND MINERALS—contd.

No. I—contd.

year 1933 at mines under the Indian Mines Act—contd.

daily in and about the mines.

Foremen and Mates.	Open workings.					Females.	Total Males and Females.	Total Underground and Open workings.	Surface.					Grand total.
	Males.								Males.					
	Mingers.	Other skilled labour.	Other unskilled labour.	Total Males.	Females.				Clerical and support- vising staff.	Skilled labour.	Unskilled labour.	Total Males.	Females.	
TITE.														
...	...	...	3	3	18	21	21	..	...	...	...	...	...	21
...	...	...	4	4	22	26	26	...	...	...	...	...	...	26
...	...	...	-1	-1	-4	-5	-5	...	...	...	...	...	...	-5
RE.														
...	3	...	...	3	...	3	8	...	3	...	3	3	6	14
...	...	...	...	...	...	...	5	2	...	...	2	3	5	10
...	3	...	...	3	...	3	13	2	3	...	5	6	11	24
1	...	...	1	2	3	5	14	1	4	...	5	6	11	25
-1	+3	...	-1	+1	-3	-2	-1	+1	-1	...	...	...	...	-1
EARTH.														
Limestone.														
...
...

APPEN
STATISTICS OF MINES

Table

Number of workers and output of minerals during the

Province.	District and mineral field.	Total Output.	Average number of persons employed						Total Males and Females.
			Underground.						
			Males.					Females.	
			Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.		
Kajputana	Ajmer-Marwara	Tons. 677	1	5	...	...	6	..	FELS 6
	Total of preceding year.	473	...	...	...	...	...	...	...
	Difference	+204	+1	+5	...	...	+6	..	+6
Burma	Katha	Carats (Rubies) 1,103	...	...	...	...	...	...	GE ...
	Total of preceding year.	...	...	...	...	...	...	...	...
	Difference	+ 1,103	...	...	...	...	...	...	...
	Grand Total (Metaliferous Mines) for 1933.	...	577	8,038	2,098	4,967	15,680	110	15,790
	Grand Total for preceding year.	...	397	6,651	1,400	4,035	12,463	123	12,611
	Difference	...	+180	+1,387	+698	+932	+3,197	-18	+3,171
	Grand Total (All Minerals) for 1933.	...	...	...	...	...	99,556	12,799	112,355
Grand Total for preceding year.	...	...	...	...	...	96,196	14,711	110,907	
Difference	...	...	...	...	...	+3,360	-1,912	+1,448	

DIX I—*concl.*AND MINERALS—*concl.*No. I—*concl.*year 1933 at mines under the Indian Mines Act—*concl.*

daily in and about the mines.

Open workings.							Total Underground and Open workings.	Surface.					Grand Total	
Males.					Females.	Total Males and Females.		Males.				Females.		Total Males and Females.
Foremen and Mates.	Miners.	Other skilled labour.	Other unskilled labour.	Total Males.				Clerical and supervising staff.	Skilled labour.	Unskilled labour.	Total Males.			
PAR.														
2	16	...	...	18	3	21	27	...	...	...	...	...	...	27
1	6	...	...	7	1	8	8	...	...	...	...	...	...	8
+1	+10	...	...	+11	+2	+13	+19	...	...	...	...	...	...	+19
MS.														
...	20	...	...	20	...	20	20	...	...	...	...	...	...	20
...
...	+20	...	...	+20	...	+20	+20	...	...	...	...	...	...	+20
066	9,509	4,060	10,614	25,149	8,923	34,072	49,862	1,150	2,059	6,128	9,337	2,601	11,938	61,800
638	11,344	3,112	9,230	24,524	8,445	32,969	45,550	1,054	1,774	4,674	7,702	2,587	10,589	56,168
+128	-1,855	+918	+1,384	+625	+478	-1,108	+4,282	+96	+285	+1,264	+1,635	-266	+1,319	+5,632
...	...	...	...	30,866	10,721	41,587	153,942	...	...	...	40,616	11,949	52,565	200,507
...	...	...	...	30,256	10,761	41,017	151,924	...	...	...	39,899	12,535	52,734	204,658
...	...	...	...	+610	-40	+570	+2,018	...	...	...	+717	-386	-169	+1,849

Table

Statement of total mining population in Coal Mines in British India

Name of Province.	Name of Coalfield or District.	Total number attending work.								Total Males and Females.
		Males.				Females.				
		Under-ground.	O. W.	Surface.	Total.	Under-ground.	O. W.	Surface.	Total.	
Assam	Makum . . .	Tons. 1,039	...	284	1,373	...	...	65	65	1,438
	Nazira . . .	246	...	167	413	...	...	1	1	414
	Total . . .	1,335	...	451	1,786	...	...	66	66	1,852
Baluchistan	SorRange . . .	21	...	...	21	...	...	...	...	21
	Khost . . .	88	4	3	95	...	...	...	...	95
	Total . . .	109	4	3	116	...	...	...	...	116
Bengal . . .	Raniganj . . .	34,606	113	9,059	43,777	5,733	42	3,226	9,001	52,788
Bihar and Orissa.	Raniganj . . .	4,111	66	962	5,159	668	34	580	1,302	6,461
	Jharia . . .	44,345	657	15,109	60,111	7,358	393	5,364	13,115	73,226
	Bokaro . . .	2,828	5,345	1,575	9,748	216	1,075	249	1,510	11,268
	Giridih . . .	5,406	150	963	6,519	453	136	230	828	7,347
	Karanpura . . .	885	721	549	2,155	146	222	161	531	2,686
	Hingir-Rampur	181	...	39	170	...	...	53	23	193
Jainty . . .	404	...	180	584	34	...	19	53	637	
	Total . . .	58,110	6,939	19,307	84,446	8,697	1,860	6,635	17,392	101,838
Central Provinces.	Ballerpur . . .	2,551	60	585	3,176	193	...	91	289	3,465
	Pench Valley . . .	6,003	13	2,095	8,111	785	21	696	1,502	9,613
	Total . . .	8,554	73	2,660	11,287	983	21	787	1,791	13,078
Punjab	Salt Range . . .	1,300	60	710	2,070	...	...	...	...	2,070
	Grand Total . . .	104,013	7,169	32,280	143,482	16,613	1,923	10,714	23,250	171,732

DIX I.

No. L-A.

on a day in the selected week in February 1934.

Total number prevented from attending.									
Males.				Females.				Total Males and Females.	Grand Total.
Under-ground.	O. W.	Surface.	Total.	Under-ground.	O. W.	Surface.	Total.		
426	...	63	489	...	...	34	34	523	1,561
81	...	38	119	...	...	...	...	119	533
507	...	101	608	...	...	34	34	642	2,404
...	...	...	...	...	...	...	...	...	21
34	...	...	34	...	...	...	...	34	120
34	...	...	34	...	...	...	...	34	150
3,810	26	700	4,536	1,265	22	361	1,628	6,164	68,942
233	9	27	269	41	2	35	78	347	6,808
1,407	35	609	2,111	294	8	343	645	2,756	75,962
194	218	138	550	8	112	16	136	686	11,074
1,415	13	203	1,631	203	19	67	289	1,925	9,272
39	45	25	109	14	18	7	39	143	2,834
...	...	...	...	...	...	...	...	...	193
4	...	1	5	2	...	...	2	7	644
3,232	320	1,068	4,620	562	159	468	1,189	5,809	107,707
251	13	11	275	39	...	1	40	315	3,780
662	...	72	734	91	...	23	118	847	10,470
913	13	83	1,009	130	...	28	153	1,162	14,240
149	...	8	157	...	...	...	...	157	2,227
8,705	369	1,960	11,024	1,947	181	876	3,004	14,028	185,760

DIX I—contd.

No. 2.

each important mining field during the year 1933.

Overmen and Sirdars. — Foremen and Mates.	Open workings.					Surface.			
	Miners.	Loaders.	Skilled Labour.	Un-skilled Labour.	Females.	Clerical and Supervising Staff.	Skilled Labour.	Un-skilled Labour.	Females.
47	43	45	46	47	44	53	52	51	51
48	43	41	39	44	46	53	51	50	49
42	31	36	42	31	32	46	41	43	40
...	...	...	...	...	...	51	47	46	47
42	42	42	...	...	...	43	44	41	54
...	...	...	...	...	...	36	42	36	...
...	...	...	48	48	46	52	52	52	50
40	40	...	42	42	37	47	47	48	50
43	44	...	44	44	44	47	44	45	45
48	48	...	48	39	44	49	49	46	45
49	48	...	49	49	49	48	48	48	47
48	48	...	44	49	48	46	48	48	48
47	...	...	...	47	...	54	54	51	...
51	47	...	51	48	43	47	41	47	35
54	54	...	...	...	24	54	46	46	...
44	39	...	44	41	40	46	44	46	44
47	42	...	51	47	...	48	48	48	...
48	45	...	46	47	45	48	42	45	43

Table

Analysis of figures relating to

Province.	Coalfield.	Coal.					
		Opening stock.	Raisings.	Total.	Despatches.	Colliery consumption.	Coal delivered for coking.
		Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
Assam . . .	Makum . . .	...	164,176	164,176	151,259	10,019	2,898
	Nazira . . .	802	27,624	28,516	26,870	1,461	...
	Sibsagar . . .	...	236	236	150	...	...
Baluchistan . . .	Baluchistan . . .	1,091	9,141	10,232	8,603	...	...
Bengal (and part of Bihar and Orissa).	Raniganj . . .	457,546	6,265,703	6,753,249	5,999,663	401,666	55,788
Bihar and Orissa.	Jharia . . .	1,056,205	8,014,949	9,071,154	6,743,325	446,816	1,194,825
	Dokaro . . .	10,825	1,304,864	1,315,689	1,210,168	52,903	15,775
	Karampura . . .	3,875	343,876	347,251	326,914	8,177	...
	Giridih . . .	63,530	635,924	699,454	579,172	20,667	...
	Jaintiy . . .	910	43,530	44,440	33,613	2,485	...
	Hingir-Rampur . . .	38	22,036	22,069	18,088	2,925	...
Central Provinces.	Ponch Valley . . .	16,099	978,179	993,278	918,693	62,762	...
	Chanda . . .	3,030	256,344	259,374	238,036	19,405	...
Punjab . . .	Salt Range . . .	3,712	94,099	97,811	91,552	3,199	...
	Total 1933 . . .	1,646,218	18,160,631	19,806,929	16,355,185	1,038,617	1,260,286

DIX I—contd.

No. 3.

the output of Coal and Coke, 1933.

Coal despatched to coke factories.	Closing stocks.	Coke.									
		Opening stocks.		Coke made.		Despatches.		Colliery consumption.		Closing stocks.	
		Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.	Hard.	Soft.
Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.
...	...	...	...	555	...	531	...	25	...	...	...
...	176	...	...	...	...	...	...	...	...	...	...
...	86	...	...	...	...	...	...	...	...	...	...
...	1,620	...	...	...	...	...	...	...	...	...	...
...	296,110	...	1,810	2,722	36,572	2,196	86,428	...	485	526	969
1,340,189	667,116	13,859	9,366	60,527	784,429	61,331	783,264	360	743	13,195	9,768
...	27,783	806	221	5,466	3,164	5,925	3,361	16	...	393	24
...	12,160	...	...	...	...	...	...	...	...	...	...
26,710	99,614	...	...	...	...	...	...	...	...	...	...
...	1,342	...	...	...	...	...	...	...	...	...	...
...	1,056	...	...	...	...	...	...	...	...	...	...
...	11,824	...	...	...	...	...	...	...	...	...	...
...	1,933	...	...	...	...	...	...	...	...	...	...
...	3,060	...	...	...	...	...	...	...	...	...	...
1,366,899	1,143,891	14,227	10,917	69,271	824,165	69,083	823,078	401	1,228	13,114	10,761

APPENDIX I—contd.

Table No. 4.

Numbers of mines opened, closed and inspected, during the year 1933.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
			COAL.					
Assam .	Lakhimpur—Makum Coalfield	5	5	...	...	...	5	21
	Naga Hills—Nazira ..	1	1	...	...	...	1	6
	Sibsagar	1	...	1	1	1	...	...
Baluchistan .	Baluchistan Coalfield . . .	15	...	15	3	9	17	17
Bengal (and part of Bihar and Orissa).	Raniganj Coalfield	185	150	35	7	17	195	810
Bihar and Orissa.	Jharia Coalfield	219	165	54	24	20	228	1,269
	Bokaro	5	5	...	...	...	5	20
	Karanpura Coalfield	5	3	2	1	...	3	13
	Giridih Coalfield	6	3	3	...	1	6	28
	Jainty	8	1	7	1	2	7	9
	Hingir-Rampur Coalfield . .	1	1	...	...	...	1	1
Central Provinces.	Pench Valley Coalfield . . .	25	14	11	5	5	22	83
	Chanda Coalfield	7	7	...	1	...	6	11

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
COAL—<i>contd.</i>								
Punjab . . .	Salt Range Coalfield . . .	16	...	18	5	5	18	15
	Grand Total (Coal) for 1933 . .	501	355	146	48	60	509	2,253
	Grand Total of preceding year.	515	361	154	50	58	591	2,129
	Difference . . .	-14	-6	-8	-2	+2	-22	+124
IRON ORE.								
Bihar and Orissa	Singhbhum	2	...	2	...	...	2	3
Burma . . . . .	... . . . .	3	...	3	...	...	1	1
	Grand Total (Iron Ore) for 1933	5	...	5	...	...	3	4
	Grand Total of preceding year.	5	...	5	3	...	4	7
	Difference . . .	...	...	...	-3	...	-1	-3
MANGANESE ORE.								
Bihar and Orissa	Singhbhum	4	...	4	3	...	3	3
Bombay	Panch Mahals	2	1	1	...	...	...	...

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
MANGANESE ORE—<i>contd.</i>								
Central Provinces.	...	6	...	6	2	2	4	5
Mdras	...	5	1	4	2	...	5	5
	Grand Total (Manganese Ore) for 1933.	17	2	15	7	2	12	13
	Grand Total of preceding year.	23	2	21	8	12	21	31
	Difference	-6	...	-6	-1	-10	-9	-18
LEAD ORE.								
Burma	...	2	2	...	...	...	2	12
	Total of preceding year	2	2	...	...	...	1	3
	Difference	...	...	...	...	...	+1	+9
GOLD.								
Bihar and Orissa	...	3	...	3	2	...	1	1
Burma	...	1	...	1	...	...	2	2
	Grand Total (Gold) for 1933	4	...	4	2	...	3	3
	Grand Total of preceding year.	3	...	3	3	...	1	2
	Difference	+1	...	+1	-1	..	+2	+1

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
TIN AND WOLFRAM ORE.								
Burma	...	199	7	192	78	16	63	67
	Total of preceding year	138	3	135	57	21	43	52
	Difference	+61	+4	+57	+21	-5	+20	+35
CHROMITE ORE.								
Baluchistan	Zhob	4	...	4	4	...	4	4
Bihar and Orissa	Singhbhum	9	...	9	2	...	4	4
	Grand Total (Chromite Ore) for 1933.	13	...	13	6	...	8	8
	Grand Total of preceding year	9	...	9	3	1	5	5
	Difference	+4	...	+4	+3	-1	+3	+3
COPPER ORE.								
Bihar and Orissa	Singhbhum	2	2	...	1	...	2	4
	Total of preceding year	4	1	3	2	2	2	7
	Difference	-2	+1	-3	-1	-2	...	-3
GEMS.								
Burma	Katha	1	...	1	1	...	...	...
	Total of preceding year	...	...	...	...	...	...	...
	Difference	+1	...	+1	+1	...	...	...

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
MAGNESITE.								
Madras . . .	Salem	3	..	3	..	..	2	2
	Total of preceding year	4	..	4	2	..	1	1
	Difference	-1	..	-1	-2	..	+1	+1
STEATITE.								
Bihar and Orissa.	... . . . .	4	..	4	2	..	2	2
Central Provinces.	Jubbulpore	3	..	3	1	1	..	..
Madras . . .	Nellore	2	..	2	..	..	2	2
United Provinces.	Hamirpur	9	..	9	7	8	17	26
	Grand Total (Steatite) for 1933	18	..	18	10	4	21	30
	Grand Total of preceding year	13	..	13	7	5	4	4
	Difference	+5	..	+5	+3	-1	+17	+26

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
SLATE.								
Bihar and Orissa.	...	11	...	11	5	1	5	5
Punjab	...	13	...	13	1	1	13	23
	Grand Total (Slate) for 1933	24	...	24	6	2	18	28
	Grand Total of preceding year	20	...	20	4	2	2	2
	Difference	+4	...	+4	+2	...	+16	+26
LIMESTONE.								
Bihar and Orissa.	...	10	...	10	1	1	8	9
Bombay	Snkkur	1	...	1	...	1	1	1
Burma	...	7	...	7	2	2	4	4
Central Provinces.	...	20	2	18	2	7	16	17
Punjab	...	5	1	4	1	2	7	12
	Grand Total (Limestone) for 1933	43	3	40	6	13	36	43
	Grand Total of preceding year	44	3	41	17	6	31	38
	Difference	-1	...	-1	-11	+7	+5	+5

APPENDIX I—contd.

Table No. 4—contd.

Numbers of mines opened, closed and inspected, during the year 1933—contd.

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
SANDSTONE.								
Bihar and Orissa.	Shahabad	3	...	3	1	...	4	4
Burma . . .	Toungoo	1	...	1	...	...	...	...
United Provinces.	... . . . .	4	...	4	2	...	4	4
	Grand Total (Sandstone) for 1933.	8	...	8	3	...	6	6
	Grand Total of preceding year.	7	...	7	1	...	5	5
	Difference	+1	...	+1	+2	...	+3	+3
FIRE CLAY.								
Bengal . . .	Burdwan	2	...	2	...	...	1	1
Bihar and Orissa.	... . . . .	7	...	7	4	...	4	5
Central Provinces.	Jubbulpore	2	1	1	...	...	2	2
	Grand Total (Fire Clay) for 1933	11	1	10	4	...	7	8
	Grand Total of preceding year.	8	...	8	2	2	9	12
	Difference	+3	+1	+2	+2	-2	-2	-4

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCS.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
Bihar and Orissa.	...	7	...	CHINA CLAY.				5
Burma . . .	Thaton	1	...	1	1	..	...	..
Delhi . . .	Delhi	8	...	8	5	6	7	13
Rajputana . .	Ajmer-Merwara	1	...	1	...	...	1	2
	Grand Total (China Clay) for 1933.	17	...	17	9	8	13	20
	Grand Total of preceding year	6	...	6	1	1	3	3
	Difference . .	+11	...	+11	+8	+7	+10	+17
				CLAY.				
Assam . . .	Lakhimpur	1	...	1	1	...	...	...
Bengal . . .	Burdwan	1	1	...	...	...	...	...
Central Provinces.	Jubbulpore	1	...	1	...	...	...	...
	Grand Total (Clay) for 1933 .	3	1	2	1	...	...	...
	Grand Total of preceding year .	3	1	2	1	1	2	3
	Difference . .	...	...	...	...	-1	-2	-3

APPENDIX I—*contd.*Table No. 4—*contd.*Numbers of mines opened, closed and inspected, during the year 1933—*contd.*

PROVINCE.	District and mineral field	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
OCHRE.								
Central Provinces.	Chanda	1	...	1	...	...	1	1
United Provinces.	Banda	1	...	1	...	...	1	1
	Grand Total (Ochre) for 1933	2	...	2	...	...	2	2
	Grand Total of preceding year.	3	...	3	...	1	2	2
	Difference	-1	...	-1	...	-1	...	...
BARYTES.								
Madras . . . . .	... . . . .	8	...	8	3	...	5	5
	Total of preceding year	7	...	7	3	...	4	4
	Difference	+1	...	+1	...	...	+1	+1
APATITE.								
Madras	Trichinopoly	1	...	1	...	1	...	...
	Total of preceding year	1	...	1	...	...	...	...
	Difference . . . . .	...	...	...	...	+1	...	...

APPENDIX I—*contd.*Table No. 4—*concl'd.*Numbers of mines opened, closed and inspected, during the year 1933—*concl'd.*

PROVINCE.	District and mineral field.	Number of mines under the scope of the Act.	NUMBER OF MINES.				INSPECTIONS.	
			Worked under mechanical power.	Not worked by mechanical power.	Opened during the year.	Closed during the year.	Number of mines inspected.	Number of inspections.
BERYL.								
Rajputana	Ajmer-Merwara	2	..	2	1	..	2	3
	Total of preceding year	2	..	2	1	..	..	..
	Difference . . . . .	..	..	..	..	..	+2	+3
FELSPAR.								
Rajputana	Ajmer-Merwara	4	..	4	2	..	2	3
	Total of preceding year	1	..	1	..	..	..	..
	Difference	+3	..	+3	+2	..	+2	+3
SAND.								
Bengal	Burdwan	1	..	1	1	..	..	..
Central Provinces.	Jubbulpore	1	..	1	1	..	..	..
	Grand Total (Sand) for 1933	2	..	2	2	..	..	..
	Difference	+2	..	+2	+2	..	..	..
	Grand Total (Metalliferous Mines) for 1933.	923	39	364	376	183	422	521
	Grand Total of preceding year	766	45	721	293	190	282	357
	Difference	+157	-6	+163	+78	-7	+140	+164
	Grand Total (All Minerals) for 1933.	1,424	394	1,030	424	249	931	2,774
	Grand Total of preceding year	1,281	406	875	348	248	813	2,456
	Difference	+143	-12	+155	+76	-5	+116	+268

APPENDIX I—*contd.*

Table No. 5.

The following table shows the fluctuations in the output of the principal minerals raised from mines classed under the Indian Mines Act. The other minerals raised are slate, magnesite, steatite, clay, fuller's earth, ochre, barytes, apatite, stone, kyanite, gypsum, felspar and beryl.

Year.	Coal.	Manga- nese ore.	Mica.	Lime- stone.	Salt.	Gold.	Copper ore.	Wolfram ore.	Iron ore.	Chro- mite ore.	Tin ore.	Lead ore.	Silver.
	Tons.	Tons.	Cwts.	Tons.	Tons.	Troy ozs.	Tons.	Tons.	Tons.	Tons.	Tons.	Tons.	Troy- ozs.
1924	20,256,034	668,331	40,529	513,333	150,918	3,646	38	730	430,805	27,850	1,027	310,286	5,267,900
1925	19,969,041	710,347	45,363	614,232	125,366	28	...	772½	529,376	21,236	2,307	231,854	4,831,569
1926	20,093,024	657,099	41,461	627,232	123,501	1,053	9,508	751	600,363	16,455	2,508	302,905	5,103,705
1927	21,108,976	678,521	42,091	1,132,235	145,311	2,305	5,010	530	1,008,231	17,080	2,650	450,777	6,004,590
1928	21,515,796	716,026	44,029	1,404,578	145,543	7	18,065	622	1,376,764	17,167	2,777	443,054	7,401,728
1929	22,308,174	750,008	49,437	1,313,647	148,490	30	76,831	1,061	1,436,385	21,054	3,384	464,561	7,250,517
1930	22,083,861	623,078	52,510	1,143,913	147,276	30	123,740	1,500	1,132,603	30,458	3,001	530,119	7,054,206
1931	20,514,597	347,373	46,177	802,226	134,010	..	153,030	909	590,176	14,038	2,532	307,079	5,800,400
1932	18,719,587	68,110	32,643	725,378	150,266	50	175,375	648	673,434	7,860	2,967	372,566	5,908,956
1933	18,160,681	53,240	41,005	1,130,110	145,838	267	201,722	630	653,230	0,770	3,300	454,791	6,054,069

Table No. 6.

The following table shows the amount of coal raised, the average number of persons working daily and the death-rates during the years 1924 to 1933 in respect of coal mines under the Indian Mines Act :—

Year.	Amount of coal raised.	Average number of persons work- ing daily below and above ground.	Number of deaths below and above ground.	Death-rates.	
				Per 1,000,000 tons raised.	Per 1,000 per- sons working daily below and above ground.
1924	Tons. 20,256,034	197,088	230	11.35	1.23
1925	19,969,041	173,140	186	9.31	1.07
1926	20,093,024	170,628	171	8.51	1.00
1927	21,108,976	165,213	181	8.57	1.10
1928	21,515,796	164,139	218	10.13	1.33
1929	22,308,174	165,658	194	8.70	1.17
1930	22,683,861	169,001	211	8.30	1.25
1931	20,514,597	158,267	185	9.02	1.17
1932	18,719,587	148,489	151	8.07	1.02
1933	18,160,681	144,707	124	6.83	0.86

APPENDIX I—contd.

Table No. 7.

Aggregate horse power and purpose for use of electric motors installed both on surface and underground at coal mines under the Indian Mines Act.

Coalfield.	Horse power on surface.					Horse power below ground.					Total horse power of motors installed.	
	Winding.	Ventilation.	Haulage.	Coal washing or screening.	Miscellaneous.	Total.	Haulage.	Pumping.	Portable machinery.	Miscellaneous.		Total.
Assam . . . . .	...	117	185	7	51	360	60	...	...	...	60	420
Bokaro	723	300	250	137	1,042	2,452	390	1,146	...	135	1,681	4,133
Central Provinces . . . . .	...	65	92	...	74	231	65	550	101	2	718	949
Girdih	165	370	...	235	442	1,212	799	3,048	121	2	3,970	5,182
Jharia	2,832	945	1,522	983	1,465	7,726	7,467	18,437	2,326	1,424	29,654	37,380
Karampura . . . . .	...	75	750	95	302	1,227	...	370	...	...	370	1,592
Punjab . . . . .	...	...	25	...	...	25	...	12	...	...	12	37
Rauzanj	2,035	1,165	530	718	456	4,899	5,675	11,233	2,789	141	19,838	24,737
Total	5,754	3,037	3,354	2,150	3,832	18,127	14,456	34,796	5,337	1,714	56,303	74,430

Table No. 8.

Number of Mines under the Indian Mines Act, where electric power is used, and the aggregate horse power of electric motors installed.

Province.	Minerals worked.						Total horse power of motors installed.
	Coal.		Silver-Lead.		Sundry Minerals.		
	Number of mines.	Horse power.	Number of mines.	Horse power.	Number of mines.	Horse power.	
Assam	3	420	...	...	...	...	420
Bengal	48	22,960	...	...	1	50	23,010
Bihar and Orissa	61	50,064	...	...	3	2,136	52,200
Bombay . . . . .	...	...	...	...	1	169	169
Burma . . . . .	...	...	2	3,817	4	1,232	5,049
Central Provinces	7	949	...	...	3	552	1,501
Madras . . . . .	...	...	...	...	2	209	209
Punjab	1	37	...	...	2	1,004	1,041
Total	120	74,430	2	3,817	16	5,352	83,599

APPENDIX I—*contd.*

Table No. 9.

Number and type of coal-cutting machines at work in Coal Mines under the Indian Mines Act.

Name of machine.	British.	American.	Chain.	Bar.	Percussive.	Power.		Total number of machines.
						Electricity.		
						A. C.	D. C.	
Goodman . . . . .	..	55	55	..	..	38	17	55
Hardy	6	..	..	..	6	6	..	6
Mavor and Coulson	41	..	20	21	..	40	1	41
Sullivan . . . . .	..	3	3	..	..	3	..	3
Total	47	58	78	21	6	87	18	105
Jharia coalfield				33	machines	} Total number of square feet undercut 69,80,646.		
Raniganj coalfield				70	"			
Central Provinces coalfield				3	"			

Table No. 10.

Number of mechanical ventilators in use at Coal Mines under the Indian Mines Act.

Assam.	Baluchistan.	Bengal.	Bihar and Orissa.	Central Provinces	Punjab.	Total.
8	..	25	45	10	..	88

Table No. 11.

Number of safety lamps in use at Coal Mines under the Indian Mines Act.

Assam.	Baluchistan.	Bengal.	Bihar and Orissa.	Central Provinces.	Punjab.	Total.
1,519	10	10,602	8,969	..	3	21,091

140 were locked by screws, 7,584 by lead rivets and 13,420 by magnetic means.

APPENDIX I—*concl.*

Table No. 12.

Statement of explosives used during the year 1933 at mines under the Indian Mines Act.

Name of explosives.	Quantity of explosives used, in lb., in:—								Total.
	Coal mines.	Mica mines.	Manganese mines.	Lead ore mines.	Tin and Wolfram ore mines.	Limestone mines.	Stone mines.	Other mines.	
Dynamite . . .	25,000	57,683	896	...	7,978	2,575	14,986	17,520	128,138
Gelignite . . .	39,112	23,312	812	162,547	10,040	5,907	10,142	369,615	621,496
Monobel . . .	8,813	...	...	...	...	450	...	...	9,263
Stonobel . . .	74,329	...	...	...	...	...	...	...	74,329
Dynobel . . .	170	...	...	...	...	...	...	...	170
Bobbinite . . .	1,240	...	...	...	...	...	...	...	1,240
Samsonite . . .	250	...	...	...	...	...	...	...	250
Liquid Oxygen . . .	74,355	...	...	...	...	...	...	...	74,355
Gunpowder . . .	1,977,575	8,605	3,843	...	150	106,185	120,306	127,130	2,433,794
Pieric Powder . . .	...	...	...	...	...	...	1,199	...	1,199
Number of detonators used.	517,200	678,064	9,254	274,361	75,316	15,201	91,526	496,014	2,158,036

APPENDIX II.
ACCIDENTS IN MINES.

Table No. 1.
Fatal Accidents during the year 1933.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
EXPLOSIONS AND IGNITIONS OF FIRE-DAMP—(6 deaths).						
1	19th October, 11-30 A.M.	Jamadoba mine, Jealgora P.O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Keso Singh, (m.), 30; Jadu Ray, (m.), 25; Madan Kahar, (m.), 24, <i>Chainmen.</i>	Coal	One deceased, with an open light, entered a gallery 25 feet long and rising at 1 in 8, and ignited an accumulation of firedamp. They were severely burnt and subsequently died. Inspection and inquiry made.
2	9th November, 4-20 P.M.	Aldih mine, Sitarampur P.O., Bengal.	Aldih Coal Co., Ltd.	Ghanashyam Roy, (m.), 28; Badhan Meah, (m.), 26; Paras Chamar, (m.), 24, <i>Coal-cutters.</i>	Coal	While nine miners were at work in a depillaring area inflammable gas was expelled from adjacent goaf by a fall of roof. The gas was ignited by their naked lights and they were all severely burnt. Three of them afterwards died. Inspection and inquiry made.
FALLS OF ROOF AND SIDES.						
(a) Falls of roof—(40 deaths).						
3	4th January, 1 P.M.	Joyrampur mine, Jharia P.O., Bihar and Orissa.	Joyrampur Co.	Coal | Dami Banrin, (f.), 22, <i>Loader.</i>	Coal	While a coal-loader was filling a basket with coal near the face of a gallery 6 feet high a mass of sandstone, 4'-6" x 1'-6" x 1'-3", fell from a "slip" in the roof and killed her instantly. Inspection and inquiry made.

4	28th January, 7 P.M.	Kendwadih mine, Kusunda P.O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Prem Rubidas, (m.), 35, Coal-cutter.	Coal	On returning into a gallery after a shot had been fired, a miner was struck and fatally injured by a mass of stone which fell from a height of 10 feet. Inspection and enquiry made.
5	7th February, about 5 P.M.	Hindu Chang mine, Tavoy P. O., Burma.	Tavoy Tin Dredg- ing Corporation, Ltd.	Leon Hein, (m.), 30; Kyon Hein, (m.), 40. <i>Tribute Miners.</i>	Tin	While working in an underground gallery 7'-6" below the surface two tribute miners were killed instantly when a mass of roof 15' x 5'-6" x 2'-8" fell from a height of 8'-6". Inspection and inquiry made.
6	14th February, 12-5 P.M.	Tilak mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Budhiram Miri. (m.), 34, <i>Labourer.</i>	Coal	While at work in an "opening" or chamber, a labourer was struck by a piece of coal, 3' x 2' x 2' which fell from a "slip" in the roof at a height of 4½ feet. He was fatally injured. Inspection and inquiry made.
7	21st February, 5 P.M.	Amlabad mine, Jalgora P.O., Bihar and Orissa.	Eastern Coal Co., Ltd.	Jugal Mahato, (m.), 35, <i>Coal-cutter.</i>	Coal	Deceased was dressing roof coal in a gallery, when a mass of coal 14' x 10' x 3' fell from between two converging "slips" at a height of 7 feet. He was killed instantly. Inspection and inquiry made.
8	1st March, 12-30 P.M.	Ledo-Valley mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ltd.	Kader Bux, (m.), 39, <i>Coal-cutter.</i>	Coal	While working in an "opening" or chamber, 26' x 24', a miner was killed by a mass of coal, 9' x 4' x 8", which fell unexpectedly from a height of 13 feet. Inspection and inquiry made.
9	10th March, 10 A.M.	Barwabera mine, Nawagarh P. O., Bihar and Orissa.	S. C. Mazumdar (Receiver), B. Trigunait and Brothers.	Chntu Kamar, (m.), 36, <i>Coal-cutter.</i>	Coal	Deceased was cutting coal on the edge of an old goaf, when a mass of coal, 12' x 3' x 2', fell on him from between two "slips" at a height of 12 feet. He was killed on the spot. Inspection and inquiry made.
10	24th March, 11 A.M.	Alkusa and Nyadeo mine, Kusunda P. O., Bihar and Orissa.	Alkusa and Nyadeo Collieries, Co.	Phulechand Mahto, (m.), 46, <i>Coal-car- rier.</i>	Coal	Deceased passed through a fence when a triangular mass of coal, 6' x 6' x 1' thick fell on him from two converging "slips" at a height of 24 feet. He sustained serious injuries to which he succumbed three hours later. Inspection and inquiry made.
11	31st March, 4 30 A.M.	Akhalpur mine, Char- anpur P. O., Bengal.	Hurrilndih Coal Company, Ltd.	Budhan Kolo, (m.), 22, <i>Loader.</i>	Coal	While a miner was sitting near the face of a gallery, in which a stone band in a seam 10 foot thick had been under- cut, he was struck by a mass of stone, 10' x 3'-4" x 1'-4", which fell from a height of 4 feet. He was killed instantly. Inspection and inquiry made.
12	1st April, 1 P.M.	Poniati mine, Charan- pur P. O., Bengal.	Poniati Collieries, Ltd.	Matla Manjhi, (m.), 22, <i>Coal-cutter.</i>	Coal	While two miners were working in a gallery, a mass of coal 15' x 3' x 3', fell from the two "slips" in the roof and seriously injured them. One of them afterwards succumbed to his injuries. As the "slips" were exposed the roof should have been properly supported. If this had been done the accident would have been avoided. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(a) Falls of roof—contd.						
13	10th April, 11-30 A.M.	Upper Ghorawari mine, Junnerdeo P.O., Central Provinces.	Bishambharnath Buddholal & Co.	Satnoo Lodhe, (m.), 30, Coal-cutter.	Coal	While surreptitiously engaged in cutting the roof coal from a disused gallery, a miner was fatally injured by a mass of coal about 15' x 3' x 3'-6" thick, which fell on him from a height of 7 feet. Inspection and inquiry made.
14	27th April, 1-15 P.M.	Muslia mine, Kalipahari P.O., Bengal.	Ghanslok & Nuelia Collieries, Ltd.	Tarka Manjhi, (m.), 30, Coal-cutter.	Coal	A miner was killed instantly when a mass of roof stone, 25' x 8' x 1'-3" thick, fell from a height of 7 feet. The stone broke away from a "slip" and a smooth parting and gave no warning. Inspection and inquiry made.
15	30th April, 1 P.M.	Dandot (No. 1 South) mine, Dandot P.O., Panjab.	The Executors of the Estate of late Lala Shanker Das.	Mahiya, (m.), 37, Labourer.	Coal	While packing a goaf deceased was killed by a fall of roof in a coal seam 1'-9" thick. Inspection and inquiry made.
16	19th May, 5-15 A.M.	Budroochuck mine, Sijua P.O., Bihar and Orissa.	Budroochuck Coal Mining Co., Ltd.	Salga Manjhi, (m.), 36, Coal-cutter.	Coal	Deceased was standing in a gallery 14 feet high, when a mass of roof coal, 6' x 5' x 1' thick, on which he had been working, fell unexpectedly from a "slip". Another person was seriously injured. Inspection and inquiry made.
17	22nd May, 2-45 P.M.	Standard (Jharia Khas Section) mine, Jharia P.O., Bihar and Orissa.	Standard Coal Co., Ltd.	Rakhal Gorai, (m.), 29, Coal-cutter.	Coal	While two miners were resting on a loading level, weighing in a depillaring area 20 feet away caused pieces of roof shale weighing about 2 cwt. to fall from the roof at a height of 26 feet. Both men were seriously injured and one afterwards died. Inspection and inquiry made.
18	3rd June, 3-30 A.M.	Lodna mine, Jharia P.O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ltd.	Samboo Kora, (m.), 28, Coal-cutter.	Coal	While a miner was loading coal in a fenced area in the presence of the sirdar, a mass of roof-stone 5' x 5' x 6', fell from a height of 7 feet, inflicting fatal injuries. The sirdar was not authorised to permit him to work there. Inspection and inquiry made.

19	16th June, 2-30 A.M.	Ghorawari mine, Junbonda P.O., Central Provinces.	Hirdagarh Collieries, Ltd.	Bhayaal Gond, (m.), 32, Coal-cutter.	Coal	In the course of dressing down roof coal, deceased, who was showing a light, failed to keep clear when a piece, larger than what they had anticipated, became dislodged. He sustained a fracture of the spine and died within twenty-four hours. Inspection and inquiry made.
20	14th July, 2 P.M.	Chauch mine, Chirkunda P.O., Bihar and Orissa.	Bengal Coal Co., Ltd.	Churki Mejhian, U. J., 38, Labourer.	Coal	While deceased was loading a basket of coal in a depillring area she was killed by a mass of roof coal, 6' x 5' x 2', which fell suddenly from a height of 10 feet. Inspection and inquiry made.
21	28th July, 10-15 A.M.	Thamj mine, Kodarma P. O., Bihar and Orissa.	Tata Sons, Ltd.	Bihari Mushahar (m.), 36, Miner.	Mica	Contrary to instructions a miner entered a disused mica mine and while at work was killed instantly by a piece of rock 3' x 2' x 1' which fell from the roof at a height of 6 feet. Inspection and inquiry made.
22	28th August, 11 P.M.	Barmoudia mine, Sitarampur P. O., Bengal.	New Beerbhoom Coal Co., Ltd.	Sona Meah, (m.), 40, Coal-cutter.	Coal	While loading coal a miner was pinned beneath a large stone which fell without warning from the 'goaf'. Life was extinct when his body was recovered. If the fencing had been set further back from the 'goaf' edge this accident might have been prevented. Inspection and inquiry made.
23	30th August, 3-30 P.M.	Sarakdih mine, Sitarampur P. O., Bengal.	B. N. Sanyal, Ltd.	Gendi Korani, (f), 22, Coal-carrier.	Coal	While working in a gallery, which was fenced deceased was killed by a mass of roof stone, about 3'-6" x 2'-3" x 4" thick, that fell on her from a height of 4 feet. Inspection and inquiry made.
24	1st September, 5 A.M.	Jamuria mine, Charanpu P. O., Bengal.	Equitable Coal Co., Ltd.	Charitar Dosadh, (m), 45, Loader.	Coal	While loading coal in a gallery where roof coal was being dressed, a loader was struck on the head by a piece of coal, which fell from the roof at a height of 7 feet. He was fatally injured. Inspection and inquiry made.
25	7th September, 11-30 P.M.	Serampur mine, Giridih P. O., Bihar and Orissa.	East Indian Railway (Government of India, Railway Department).	Mouji Dosadh, (m), 38, Coal-cutter.	Coal	A miner who left his allotted working place and went through a fence into an old goaf was killed instantly by a mass of stone 10' x 3' x 6" which fell from a "slip" in the roof at a height of 16 feet. Inspection and inquiry made.
26	14th September, 4 P.M.	Kusunda mine, Kusunda P. O., Bihar and Orissa.	E. M. Selected Coal Co.	Nidhi Baurin, (f), 20, Coal-carrier.	Coal	Deceased was loading coal in a gallery, when a mass of roof coal, 12' x 2'-5" x 1', fell on her from a height of 12 feet, killing her instantly. Inspection and inquiry made.
27	2nd October, 9-45 P.M.	Bawdwinmine, Namtu P. O., Burma.	Burma Corporation Ltd.	Chang Yu Pin, (m.), 33, Miner.	Silver- lead zinc.	While holding up the end of a spiling board a miner was seriously injured by a large piece of rock which fell on the spiling board. He died about three months afterwards from the effect of the injuries. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(a) Falls of roof—concl'd.						
28	13th October, 4 P.M.	Potiati mine, Charanpur P. O., Bengal.	H. K. Nag	Ramsarup Passi, (m.), 40, Coal-cutter.	Coal	While a miner was dressing roof coal from a ladder, a piece of coal, 4' x 2' x 3', fell from a height of 1½ feet, and struck another minor who was standing at the foot of the ladder, killing the latter instantly. Inspection and inquiry made.
29	13th October, 4-30 P.M.	Burra Dhemo mine, Sitarampur P. O., Bengal.	Burra Dhemo Coal Co., Ltd.	Ponu Roy, (m.), 29, Loader.	Coal	While a loader was filling a basket with coal in a depillaring area a "bump" occurred and caused a mass of coal weighing about 12 cwts. to fall from the roof and side. He was struck by the falling coal and killed instantly. Inspection and inquiry made.
30	14th October, 1 A.M.	Jamuria mine, Charanpur P. O., Bengal.	Equitable Coal Co., Ltd.	Dukhia Chamar, (m.), 41, Loader.	Coal	During the temporary absence of a stonedresser, a coal loader entered a gallery where some roof stone was about to be blasted down, when a piece of stone, 6'-6" x 3' x 1', fell from a height of 7 feet and seriously injured him. He died five days later as the result of his injuries. Inspection and inquiry made.
31	20th October, 2 A.M.	Kurharbareo mine, Giridh P. O., Bihar and Orissa.	East Indian Railway, (Govt. of India, Railway Department.)	Shaulal Chamar, (m.), 34, Dinoo Chamar, (m.), 24, Coal-cutters.	Coal	While a number of miners were engaged in the extraction of two small pillars of coal, a mass of stone, 34' x 11' x 2', fell from between two parallel "slips" in the roof at a height of 12 feet. Two of the miners were killed instantly while a third was seriously injured. Inspection and inquiry made.
32	23rd October, 3-45 P.M.	Bagdiggi mine, Jharia P. O., Bihar and Orissa.	Anderson Wright & Co.	Etwari Bilaspuri, (m.), 30, Coal-cutter.	Coal	While working in a depillaring area, a miner was seriously injured by a piece of stone 2' x 1'-3" x 3" which fell from the roof 30 feet above and struck him. He died shortly afterwards. Inspection and inquiry made.
33	3rd November, 9 A.M.	Loyabada mine, Bensjora P. O., Bihar and Orissa.	Burrakur Coal Co., Ltd.	Joyram Bhuiya, (m.), 20, Labourer.	Coal	Deceased was killed instantly and two other persons were seriously injured by a mass of stone, 17' x 13' x 1'-3", which fell unexpectedly from the roof of a stone drift 8 feet high, which was being dressed.

34	8th November, 5-45 A.M.	Mosaboni mine, Mosaboni P. O., Bihar and Orissa.	Indian Copper Corporation, Ltd.	Kul Bahadur, (m.), 33, Shot-firer.	Copper	Following blasting operations, deceased entered a stope and was killed instantly by a mass of stone measuring 16' x 18' and from 9' to 15' thick which fell from the hanging wall. Inspection and inquiry made.
35	15th November, at about 3 P.M.	Jatachhapa mine, Parasia P. O., Central Provinces.	Amalgamated Coal-fields, Ltd.	Chhotoyal Kalar, (m.), 33, Timberman. Gayadin Kurmi, (m.), 33, Labourer.	Coal	While two miners were attempting to extract props in a goaf a large fall of roof occurred and both were killed.
36	25th November, 1-20 P.M.	Bangal Jharis mine, Jharis P. O., Bihar and Orissa.	Bengal Jharis Colliery Co.	Rashi Majhian, (f.), 41, Coal-carrier.	Coal	Deceased passed beneath some roof stone which was being dressed on a main haulage road, when a mass of stone, 4' x 4' x 9' thick, fell from a slip and killed her on the spot. Inspection and inquiry made.
37	20th November, 1-30 A.M.	Jamadoba mine, Jasigora P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Panchoo Meah, (m.), 35, Sirdar.	Coal	Following depillaring operations, deceased was directing the withdrawal of props from a working place, when a piece of roof coal, 4' x 3' x 8', fell from a height of 7' 6" and he sustained serious injuries. He died nineteen hours later. Inspection and inquiry made.
38	18th December, 8-30 A.M.	Mosaboni mine, Mosaboni P. O., Bihar and Orissa.	Indian Copper Corporation, Ltd.	Chinniah Kolandai, (m.), 22, Timberman.	Copper	While two timbermen were climbing down a stope a piece of stone measuring 6' x 4' x 1', fell from the hanging wall. One man was killed instantly and the other sustained a serious injury. Inspection and inquiry made.
39	27th December 2-30 A.M.	Lodna (Nos. 4 and 5 (Jharis pits) mine, P. O., Bihar and Orissa.	Lodna Colliery Co. (1929), Ltd.	Ram Prasad Kori, (m.), 25, Coal-carrier.	Coal	Deceased was in a working place when a piece of roof coal, 2' x 1'-6" x 1'-6", fell on him from a height of 25 feet and he was killed instantly. Inspection and inquiry made.

(b) Falls of side—(44 deaths).

40	4th January, 1 P.M.	Jeetpur mine, Bhaga P. O., Bihar and Orissa.	Bengal Iron Co., Ltd.	Milap Gowals, (m.), 45, Coal-cutter.	Coal	While a miner was taking down loose coal at the face of a machine cut gallery 4'-6" high a block of coal, 3' x 2'-6" x 1', fell off the face on to him and he received fatal injuries. If he had exercised greater care the accident would not have occurred. Inspection and inquiry made.
41	4th January, 3-20 P.M.	South Golukdih mine, Jharis P. O., Bihar and Orissa.	South Golukdih Coal Co.	Somri Bhuiyan, (f.), 28, Labourer.	Coal	While a woman was loading a basket with coal in front of a stock of coal which was under extraction, a mass of coal 2'-6" x 1'-6" x 1', fell from a corner of the stock. Part of the coal rolled down a heap of slack coal, striking and seriously injuring the woman. She died nineteen days afterwards. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALLS OF ROOF AND SIDES—contd.						
(b) Falls of side—contd.						
42	13th January, 7-30 P.M.	West Gopalichuck mine, Kusunda P. O., Bihar and Orissa.	Gopalichuck Coal Co., Ld.	Charak Meah, (m.), 34, Coal-cutter.	Coal	A miner was cutting coal from the corner of a pillar, when a mass of coal, 5' x 3' x 2', fell from a "slip" at a height of 9 feet, and struck deceased who was standing nearby. He received injuries to which he succumbed two hours later. Inspection and inquiry made.
43	1st February, 11-20 A.M.	Standard (Jharia Khas Section) mine, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Phuti Mullickni, (f.), 38, Loader.	Coal	While a woman was engaged in loading coal in a gallery, she was struck and fatally injured by a mass of coal, 3' x 4' x 7', which fell from the corner of the pillar. Inspection and inquiry made.
44	15th February, 4 P.M.	Lodna mine, Jharia P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Meghai Pasi, (m.), 37, Coal-cutter.	Coal	In a depillaring area, a mass of coal, 6' x 4' x 22' high, fell from the side of a pillar and dislodged a prop. The prop struck a miner as he was attempting to escape, and killed him instantly. Inspection and inquiry made.
45	3rd March, 12 A. M.	Saugla Hill mine, Saugla Hill P. O., Punjab.	North Western Railway.	Mahanda, (m.), Labourer..	Stone	Deceased was killed by a fall of side in a quarry.
46	10th March, 1-30 A.M.	Chinchuria mine, Assansol P. O., Bengal.	New Beerbloom Coal Co., Ld.	Behari Pashi, (m.), 50, Coal-cutter.	Coal	While a miner was cutting coal from the side of a pillar a mass of coal, 5' x 1'-6" x 1'-6", fell from a height of 6 feet. He received injuries from which he died soon after. Inspection and inquiry made.
47	18th March, 5-10 A.M.	Kanbauk mine, Kanbauk P. O., Burma.	Kanbauk Mines, Ld.	Bana, (m.), 25, Labourer.	Tin and wolfram	While working in a cutting 15 feet deep deceased was buried by a mass of earth which fell from the side. He was dead when extricated. Inspection and inquiry made.
48	23rd March, 4-20 A.M.	Lodna mine, Jharia P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Athi Goral, (m.), 23, Loader.	Coal	While coal was being loaded in a gallery 28 feet high, a mass of coal weighing about 1 ton fell from a concealed "slip" in the side at a height of 16 feet. One coal-loader was fatally injured and another seriously injured. Inspection and inquiry made.

49	25th March, 10 A.M.	Lodna (Nos. 4 and 5 Pits) mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Sarhu Bahidas, (m.), 28, Coal-carrier.	Coal	Deceased was filling a basket of coal in a gallery when a small piece of coal fell from the "face" on to his foot, causing slight injuries. Tetanus supervened, and he died nine days later. Inspection and inquiry made.
50	7th April, 2 P.M.	Dishergarh mine, Dishergarh P. O., Bengal.	Equitable Coal Co., Ld.	Bhabani Gope, (m.), 22, Coal-cutter.	Coal	While collecting debris for packing a tramline a miner was killed instantly by a mass of overhanging coal, 5' x 1'-0" x 1'-6", which fell on him without warning. Inspection and inquiry made.
51	24th April, 7 A.M.	Marwara mine, Katni P. O., Central Provinces.	Cowasji Bajanji Bajan.	Lalli Darbau, (m.), 40, Miner.	Limestone.	While a gang of five men were at work on the floor of a quarry, a fall of side measuring about 14' x 6' x 3', occurred from a height of 10 feet. One of the gang was buried under the fall and suffocated, three were seriously injured and the fifth man received minor injuries. Inspection and inquiry made.
52	6th May, 9 A.M.	Zadiwin mine, Falaw P. O., Burma.	Eu Gwan Kyin	Balagyi Behara, (m.), 25, Tributor.	Tin	While a cooly was under-cutting the sides of an open cut 10 feet deep a fall of earth occurred and buried him. He was suffocated. Inspection and inquiry made.
53	9th May, 5-30 P.M.	Standard (Jharis Khas) mine, Jharis P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Parameaswar Dasadh, (m.), 36, Coal-cutter.	Coal	While two miners were breaking up coal which they had dressed down from the side of a pillar, a stay-prop supporting the side of an adjacent pillar became dislodged, allowing a mass of coal to fall. One miner was killed instantly. Inspection and inquiry made.
54	5th June, 11 P.M.	Dharmaband mine, Katrasgarh P. O., Bihar and Orissa.	New Totturya Coal Co., Ld.	Bishu Mahata, (m.), 35, Coal-cutter.	Coal	Deceased was dressing coal from the side of a gallery when a piece of coal fell on his foot, inflicting serious injuries. He died about a fortnight later. Inspection and inquiry made.
55	15th June, 4-45 P.M.	Bara-Golai mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Gora Gowala, (m.), 29, Labourer.	Coal	While a number of persons were at work in an "opening" or chamber, 46' x 20' x 10' high, a "bump" occurred in the roof and caused a piece of coal, 6' x 3' x 2', to fall from the side. A labourer endeavouring to reach a place of safety was crushed by the coal against the side of a pillar, and sustained injuries to which he succumbed three days later. Inspection and inquiry made.
56	16th June, 10 A.M.	Bhulanbararee mine, Pathardih P. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ld.	Gosto Behari Chakravarty, (m.), 45, Tub-checker.	Coal	A tub-checker was struck and fatally injured by a mass of coal, 15' x 9' x 1'-6", which fell from the side of a pillar in a roadway 16 feet in height. Inspection and inquiry made.
57	14th July, 3 A.M.	Kankaneo mine, Bansjora P. O., Bihar and Orissa.	Eastern Coal Co., Ld.	Budhari Bilaspurin, (f.), 23, Loader.	Coal	While working in a gallery 10 feet high, a woman was struck and fatally injured by a wedge-shaped mass of coal, 12' x 6' x 2', which fell from the side of a pillar. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
FALL OF ROOF AND SIDES—contd.						
(b) Falls of sides—contd.						
58	17th July, 1 P. M.	Bagdigi mine, Jharia P. O., Bihar and Orissa.	Anderson Wright & Co.	Khadhon Bilaspuri (m.), 35, Coal-cutter.	Coal	A miner was assisting to move a ladder for the purpose of taking down some overhanging coal when a piece of coal was dislodged, a portion of which struck him, inflicting serious injuries, from which he afterwards died. Inspection and inquiry made.
59	26th July, 4-30 P. M.	Deoli mine, Dishergarh P. O., Bihar and Orissa.	Deoli Coal Co., Ltd	Bhatn Chamar, (m.), 32, Timber-Mistry.	Coal	While props were being drawn in a goafing area a mass of coal fell from a 'stook' and dislodged a prop 16 feet long. In falling it struck and fatally injured the timberman. Inspection and inquiry made.
60	27th July, 11-30 A. M.	Harmyngyi mine, Harmyngyi P. O., Burma.	Consolidated Tin Mines of Burma, Ltd.	Ah Foon, (m.), 40, Miner.	Tin and wolfram.	While walking to his working place on the side of a steep hill, which was being sluiced deceased was fatally injured by stone which rolled down the hill side and hit him on the head. Inspection and inquiry made.
61	6th August, 3 P. M.	Durgapur mine, Jharia P.O., Bihar and Orissa.	D. Hamir & Sons	Lakhi Ram Manjhi, (m.), Coal-cutter.	Coal	Deceased left his appointed working place, passed through a fence and was robbing coal from the side of a pillar, when a mass of coal, 6' x 5' x 3' approximately, fell on him from a height of 7 feet. He was killed instantly. Inspection and inquiry made.
62	10th August, 1 A. M.	Kustora mine, Kusunda P. O., Bihar and Orissa.	Raneegunge Coal Association, Ltd.	Ajodhaya Bhakti, (f.), 20, Coal-carrier.	Coal	A miner was dressing down the side of a gallery after blasting, when a mass of coal, about 9' x 3' x 1'-6", fell and struck a female coal-carrier. She received injuries which proved fatal shortly after. Inspection and inquiry made.
63	13th August, 5 A. M.	South Goluckdih mine, Jharia P.O., Bihar and Orissa.	South Goluckdih Coal Co.	Budhan Bhuiya, (m.), 25, Coal-carrier. Karu Bhuiya, (m.), 30, Sambhu. Chamar (m.), 30, Coal-cutter.	Coal	A gang of miners was engaged to cut floor coal in the vicinity of a pillar under extraction. One side of the pillar had been undercut to a depth of 4 feet 6 inches and along a length of about 25 feet. A mass of coal, about 14' x 13' x 4'-6" thick fell from a pronounced cleavage plane in the side of the pillar, killing two persons on the spot, and seriously injuring four others. One of the injured persons died three months later. Inspection and inquiry made.

	17th August, 7-30 A.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Raneegrunge Coal Association, Ltd.	Bhola Bajwar, (m.), 30, Loader.	Coal	While two loaders were leaving their working place at the end of the shift a mass of coal, 10' x 8' x 1'-6" approximately, fell from two converging slips at the side. One of them received serious injuries which proved fatal three days later. Inspection and inquiry made.
65	1st September, 7 A. M.	Wagon South (Bwabin) mine, Tavoy P. O., Burma.	Consolidated Tin Mines of Burma Ltd.	Dhal Bahadur, (m.), 35, Monitor Man.	Tin and wolfram.	While removing stones which had been washed down by a monitor, an attendant was injured by a stone which rolled down from a height of 15 feet. He contracted Pneumonia from which he died seventeen days later. Inspection and inquiry made.
66	1st September 2 P. M.	Baliary mine, Kusunda P. O., Bihar and Orissa.	Chuni Lall Ticam- chand Coal Co., Ltd.	Chhatar Chamar, (m.), 42, Coal-cutter.	Coal	While deceased was helping to fill a basket with coal near the side of a pillar under extraction, a mass of coal, 4' x 2' x 3', fell from the side at a height of 10 feet, causing fatal injuries. Inspection and inquiry made.
67	9th September, 4 P.M.	Sugi mine, Kodarma P. O., Bihar and Orissa.	F. F. Chrestion & Co., Ltd.	Fagu Turi, (m.), 38, Driller.	Mica	While a number of drillers were engaged in drilling shotholes in a slope, a piece of schist, 5' x 4' x 1'-6", fell from the side and fatally injured one of the drillers. Inspection and inquiry made.
68	18th September, 11 A.M.	Kysukkutaung mine, Tavoy P. O., Burma.	Qnah Hun Cheong.	Mg., Po Aye, (m.), 18, Labourer.	Tin and wolfram.	While deceased was carrying tools along a tail race he was buried by a mass of earth, 8' x 6' x 2' thick, which fell from the side. Life was extinct when his body was recovered. Inspection and inquiry made.
69	26th September 12-30 A.M.	Jamdoba mine, Jalgora P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Dhirsai Bilaspuri, (m.), 22, Loader.	Coal	While deceased was filling a basket with coal near the face of a pillar 7 feet high a mass of coal, 20' x 7' x 5' approximately, fell unexpectedly from the side. Deceased was instantly killed. Inspection and inquiry made.
70	4th October, 1-30 P.M.	Bhugrudih mine, Jharis P. O., Bihar and Orissa.	Bengal Nagpur Coal Co., Ltd.	Ganapat Mahato, (m.), 31, Coal-cutter.	Coal	While a miner was making a hole through a rib of coal into a graft a mass of coal weighing about 2 cwts. fell from the side and he received severe injuries from which he afterwards died. Inspection and inquiry made.
71	7th October, 4 A.M.	Lodna mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ltd.	Nanku Pasi, (m.), 33, Loader.	Coal	While a loader was at work in a depillaring area a mass of overhanging coal, 3' x 1'-6" x 1', fell from the side from a height of 24 feet, and killed him instantly. If the side of the pillar had been properly dressed after a shot had been fired the accident would not have occurred. Inspection and inquiry made.
72	9th October, 12-15 P.M.	Ghorawari mine, Januordeo P. O., Central Provinces.	Hirdagarh Colli- eries, Ltd.	Karo Mahran, (f.), 25, Tub-loader.	Coal	Two tub-loaders—a man and a woman—were caught between a large piece of coal which fell from the side of a pillar and a tub which they were filling. Both were seriously injured and the woman died later as the result of the accident.

APPENDIX II—contd.

Fatal Accident during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
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FALL OF ROOF AND SIDES—concl'd.

(b) Falls of sides—concl'd.

73	28th October, 10 A.M.	Pagaye mine, Tavoy P. O., Burma.	Teh La Po	Mg. Ang Po. (m.), 19; Mg. Tun Baw, (m.), 20; Mah Si Mah, (f.), 62, <i>Labourers.</i>	Tin and wolfram.	While four persons were working in a prohibited area a mass of earth, 12' x 8' x 2' thick, fell from the side of the cutting and buried three of the workers. When extricated they were dead. Inspection and inquiry made.
74	10th November, 1-30 P.M.	Chandametta mine, Parasia P. O., Central Provinces.	Pench Valley Coal Co., Ld.	Mithan Gond, (m.), 50, <i>Coal-cutter.</i>	Coal	While deceased was levering down coal partially loosened by a shot, a mass of coal 2' x 3' x 16" thick fell on him and killed him.
75	30th November, 6 A.M.	Dhemo Main mine, Sitarampur P. O., Bengal.	Dhemo Main Col- lieries, Ld.	Julu Meah, (m.), 36, <i>Coal-cutter.</i>	Coal	While a miner was cutting the side of a pillar during depillaring operations in a seam 11'-6" thick, he released a mass of coal weighing about $\frac{1}{2}$ ton from a cleat in the side. He was struck by the falling coal and fatally injured. Inspection and inquiry made.
76	13th December, 10-15 P.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corpora- tion, Ld.	Swin Htin Shwin, (m.), 25, <i>Miner.</i>	Lead- silver zinc.	While leaving a 'rise' at the end of a shift a miner was killed by a piece of ore which fell from the side of the 'rise'. Inspection and inquiry made.
77	13th December, 2-15 A.M.	Sitalpur mine, Dishe- garh P. O., Bengal.	Bengal Coal Co., Ld.	Bhagira Turin, (f.), 45, <i>Coal-carrier,</i>	Coal	In a depillaring area, a sudden fall of coal from the side of a pillar dislodged a prop 12 $\frac{1}{2}$ feet long. A loader was struck on the head by the prop and killed instantly. Inspection and inquiry made.
78	28th December, 10-30 A.M.	Standard (Benahir sec- tion) mine, Jharua P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Gostabehari Chatterjee, (m.), 36, <i>Shot-firer.</i>	Coal	While deceased was sitting in a gallery, 28 feet high, a mass of coal, weighing about 1 ton, fell from the side of a pillar under extraction. The coal struck and dislodged a prop set as a support for the roof, and the prop fell on deceased, killing him on the spot. Inspection and inquiry made.

79	30th December, 5 P.M.	Mayangon mine, May- angou P. O., Burma,	Khan Bahadur Ibrahim,	Megui Gaw, (m.), 18, Miner.	Stone	While carrying rock from the face of a quarry one coolie was fatally and seven others slightly injured by a large mass of overburden which fell from a height of 30 feet. Inspection and inquiry made.
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IN SHAFTS (FALLING DOWN SHAFT)—(3 deaths).

80	1st February, 9-45 P.M.	Jeetpur mine, Bhaga P. O., Bihar and Orissa.	Bengal Iron Co., Ld.	Ram Bharna Rohi- das, (m.), 22, Coal-cutter.	Coal	While a miner was in the act of stepping into a cage from an intermediate landing in a shaft, the cage began to ascend. The miner was precipitated 180 feet to the bottom of the shaft, and was killed instantly. Inspection and inquiry made.
81	20th March, 9-30 P. M.	Majhli mine, Kodarma P. O., Bihar and Orissa.	Chota Nagpur Mica Syndicate (1932), Ld.	Roton Gope, (m.), 29, Miner.	Mica	A miner who was working in a drive 11 feet from the bottom of a shaft 93 feet deep left his working place with the intention of proceeding to the surface. He fell to the bottom of the shaft and was fatally injured. Inspection and inquiry made.
82	24th September, 10-15 A. M.	Bawdwin mine, Nantun P. O., Burma.	Burma Corporation, Ld.	Maung Ba Shin, (m.), 49, Fitter.	Silver- load- zinc.	While engaged in changing a sinking pump a fitter fell from a scaffold to the bottom of the shaft 25 feet below. He was fatally injured. Inspection and enquiry made.

BY EXPLOSIVES—(10 deaths).

83	19th January, 7 A. M.	East Ghogri mine, Jumoreo P. O., Central Provinces.	Seth Misrial Meghraj & Brothers.	Bans Dain, (m.), 35, Coal-cutter.	Coal	After a misfired shot had exploded deceased was found lying fatally injured within a few feet of the place where the shots had been fired. The entrance to the gallery was forced. Inspection and inquiry made.
84	14th February, 8 P. M.	Ballarpur mine, Ballarpur P. O., Central Provinces.	Sir Biaswardass Daga & Sir M. B. Dadabhoj.	Ayya Ankula, (m.), 25, Sinker.	Coal	It is suspected that deceased was attempting to remove a misfired charge of explosive when the charge exploded and he was instantly killed. The cause was however obscure. Inspection and inquiry made.
85	15th February, 10-30 A. M.	Kymore mine, Kymore P. O., Central Provinces.	C. P. Cement Co., Ld.	Nohri Kollu, (f.), 18, Loader.	Lime- stone.	A loader was struck on the head and fatally injured by a piece of stone which was projected a distance of 670 feet by blasting operations in open workings. Inspection and inquiry made.
86	16th April, 7-30 P. M.	Kargali mine, Bokaro P. O., Bihar and Orissa.	Secretary of State for India.	Budhua, (m.), 30, Explosives carrier.	Coal	The contents of a liquid Oxygen Explosives soaking can became ignited, causing an explosion, as a result of which one explosives carrier was killed and another seriously injured. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
BY EXPLOSIVES—contd.						
37	2nd May, 2 A. M.	Newton Chickli mine, Parasia P. O., Central Provinces.	Newton Chickli Collieries, Ltd.	Doma Sonar, (m.), 23, Coal-cutter.	Coal	In spite of being warned by the shot-firer, deceased went near a working gallery where 3 gunpowder shots had been lighted. He was killed instantly by a piece of coal about one foot cube in dimensions which was projected a distance of 63 feet by the blasting. Inspection and inquiry made.
88	25th July, 10-45 A. M.	Sitalpur mine, Ukhra P. O., Bengal.	Sitalpur Coal Co.	Harnam Sing, (m.), 36, Shot-firer.	Coal	Soon after two shots of dynamite had failed to explode the shot-firer returned to the gallery and was fatally injured when one of the shots exploded. If the regulations regarding mis-fired shots had been complied with this accident would not have occurred. Inspection and inquiry made.
89	23rd July	Sutlej mine, Mumbarani P. O., Bombay.	Government of Punjab, (Public Works Depart- ment, Irrigation Branch).	Tharo, (m), Shot- firer.	Lime- stone.	A shot-firer was attempting to remove a charge of gunpowder from a shot-hole when the gunpowder exploded and he was fatally injured.
90	22nd August, 1-50 P. M.	Sunkerpore mine, Ukhra P. O., Bengal.	Barn & Co., Ltd.	Budhui Mahalin, (f), 22. Not employed.	Coal	While a quantity of country gunpowder was being dried on the top of a Lancashire boiler, the powder was ignited and a woman who was in charge was fatally burnt. It is presumed that some of the powder which was in close proximity to one of the dampers was carried into the flue by the down draught and ignited. Inspection and inquiry made.
91	3rd September, 6 P. M.	Sutlej mine, Mumbarani P. O., Bombay.	Government of Punjab, (Public Works Depart- ment, Irrigation Branch).	Ram Piyari, (f), Labourer.	Lime- stone.	A female worker was struck and fatally injured by a stone which was thrown a distance of 860 feet during blasting operations.
92	26th October, 5-30 A. M.	Newton Chickli mine, Junnordeo P. O., Central Provinces.	Newton Chickli Collieries, Ltd.	Muzaffar (m.), 27, Coal-cutter.	Coal	Deceased crossed a fence against the shot-firer's order and returned to a place where a shot had hung fire. On reaching the place the shot exploded inflicting serious injuries from which he subsequently died.

HAULAGE—(25 deaths).

93	24th January, 5 P.M.	Jatachhapa mine, Parasia P. O., Central Provinces.	Amalgamated Coal- fields, Ld.	Assaram Brahmin, (m.), 20, Coal-cutter.	Coal	While a train of seven loaded tubs was being drawn out of a loading level, the coupling between the first and the second tubs broke, allowing the six tubs to run back a few feet before the drag came into operation. A miner, who was walking on the road, was crushed between the end tub of the train and a pillar, and killed. Inspection and inquiry made.
94	27th January, 8-30 P.M.	Lodna mine, Jharia P. O., Bihar and Orissa	Lodna Colliery Co. (1920), Ld.	Dahn Tanti, (m.), 38, Hookman.	Coal	Deceased stood on the curve of an underground haulage road to guide a set of empty tubs, which was being lowered round the curve, when the third tub became derailed and ran over his foot. He sustained serious injuries and died the following day. Inspection and inquiry made.
95	22nd February, 6-30 A.M.	Patmohna mine, Sitarampur P.O., Bengal.	North Damuda Coal Co., Ld.	Jiangloo Koiri, (m.), 38, Loader.	Coal	While a tub was being lowered by hand on a buffer on an incline dipping 1 in 7, it got out of control. Deceased hung on to it until it struck the buffer and was killed. Inspection and inquiry made.
96	11th February, 10 A.M.	Bhalgora mine, Jharia P. O., Bihar and Orissa.	Bhalgora Coal Co., Ld.	Bideshi Dosadh, (m.), 45, Trammer.	Coal	While pushing a tub on a tramming road, a trammer was struck by another tub which approached from behind. He sustained fatal injuries. Inspection and inquiry made.
97	16th February, 10-30 A.M.	Victoria mine, Kulti P. O., Bengal.	New Beerdhoom Coal Co., Ld.	Budhan Bauri, (m.), 33, Shot-firer.	Coal	While walking down a haulage incline a shot-firer was fatally injured by a set of empty tubs, which ran wild owing to the breaking of a coupling chain. Inspection and inquiry made.
98	24th February, 5-30 A.M.	Namdang mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Khayestagan Pathan, (m.), 28, Trammer.	Coal	While a set of 15 loaded tubs was being coupled up on a haulage road dipping at 1 in 29, the tubs, which were not spragged, commenced to run back. A trammer, who tried to stop the set, was crushed between a tub and the side of the road, and fatally injured. Inspection and inquiry made.
99	4th March, 1 P.M.	New Kesalpur mine, Katnagarh P. O., Bihar and Orissa.	New Kesalpur Co- liery Co.	Budhai Kurmi, (m.), 28, Hookman.	Coal	While a train of seven empty tubs was being lowered down a haulage plane dipping at 1 in 6, the leading tub became uncoupled and ran uncontrolled. It was derailed at a crossing, and deceased who was standing nearby was struck and fatally injured. Inspection and inquiry made.
100	7th March, 8 A.M.	Sripur mine, Kalipahari P. O., Bengal.	Lodna Colliery Co. (1920), Ld.	Sarada Banri, (m.), 45, Trammer.	Coal	While a train of loaded tubs was being hauled up, a part of it ran back owing to the failure of a drawbar link. A trammer, who was following the train, was knocked down by a derailed tub and sustained serious injuries from which he subsequently died. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1933—*contd.*

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
HAULAGE—<i>contd.</i>						
101	24th March, 3 P.M.	Standard (Jharia Khas Section) mine, Jharia P. O., Bihar and Orissa.	Standard Coal Co., Ld.	Munshi Dosadh, (m.), 34, Trolleyman.	Coal	A trolleyman was riding down an incline on a rake of loaded tubs when a jerk on the haulage rope threw him to the ground. He sustained a serious injury and died fifteen days later. Inspection and inquiry made.
102	24th March, 5 P.M.	Sirka mine, Argada P. O., Bihar and Orissa.	South Karapura Coal Co., Ld.	Chedi Hazam, (m.), 32, Trolleyman.	Coal	Four trolleyman were engaged in guiding a loaded tub round a curve on a haulage road. The tub overturned and fell on one of them. He sustained fatal injuries. Inspection and inquiry made.
103	10th April, 12-30 P.M.	Jeetpur mine, Bhaga P. O., Bihar and Orissa.	Bengal Iron Co., Ld.	Hari Pada Roy, (m.), 36, Labourer.	Coal	While a set of 14 full tubs was being drawn up a haulage road rising at 1 in 8 the drawbar-hook of the first tub opened out and the haulage rope became detached. After running backwards about 20 feet the set was derailed by the drag and the tubs overturned. A labourer who was working at the entrance to a level off the haulage road was struck by coal thrown from one of the overturning tubs and fatally injured. Inspection and inquiry made.
104	4th May, 11-15 A.M.	Katras mine, Katrasgarh P. O., Bihar and Orissa.	Burrakar Coal Co., Ld.	Ruplal Turi, (m.), 32, Door-attendant.	Coal	While operating a ventilation door on a haulage road, a door-attendant was crushed between a set of loaded tubs and the door. He sustained fatal injuries. Inspection and inquiry made.
105	20th May, 8 A.M.	Barkui mine, Parasias P. O., Central Provinces.	Fench Valley Coal Co. Ld.	Jauki Gondni, (f.), 30, Tub-filler.	Coal	While walking in front of a moving train of tubs, deceased was knocked down by the leading tub, sustaining injuries from which she died within twenty-four hours. Inspection and inquiry made.
106	25th May, 5 P.M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Burrakar Coal Co., Ld.	Sri Ram Ojha, (m.), 32, Haulage attendant.	Coal	Owing to the breakage of a haulage rope, four loaded tubs ran amain down a haulage plane. A haulage attendant was struck and killed instantly. Inspection and inquiry made.

107	7th July, 4 A.M.	Malkera mine, Khatrasgarh P. O., Bihar and Orissa.	Tata Iron & Steel Co., Ltd.	Ranjan Meah, (m.), 34, Trolleyman.	Coal	An empty and two full tubs were being lowered on a rope 4 1/2 diameter down a haulage road, 1,300 feet long with a gradient of 1 in 4 to 1 in 5. The rope which had not coiled evenly on the drum slipped and became slack. The set accelerated until the slack was taken up, when the rope suddenly jerked and broke, allowing the set to run wild for a distance of about 600 feet. Deceased, who was standing at the bottom of the haulage road, was struck by the runaway tubs and killed instantly. Inspection and inquiry made.
108	16th August, 10-30 P.M.	Newton Chickli mine, Farasia P. O., Central Provinces.	Newton Chickli Collieries. Ltd.	Genesh. (m.), 18, Underground trammer.	Coal	Deceased was endeavouring to release a sprag in the wheel of a tub on a level road when the tub was struck from behind by other tubs, causing him to fall between the tub and a stop block. His left foot was badly smashed and he died about twenty-four hours later. Inspection and inquiry made.
109	23rd August, 8-45 A.M.	Jaradoba mine, Jealgora P. O., Bihar and Orissa.	Tata Iron & Steel, Co., Ltd.	Binoly Mahato, (m.), 36, Onsetter.	Coal	While a train of nine empty mine cars was being lowered into a siding at the bottom of an underground haulage road, an onsetter was crushed between it and a train of loaded cars which were stationary in an adjacent siding. He sustained serious injuries from which he afterwards died. Inspection and inquiry made.
110	24th August, 9-30 A.M.	Bhamori mines, Parasia P. O., Central Provinces.	Amalgamated Coal- fields, Ltd.	Sukwaria Kolan, (f.), 40, Mason's assistant.	Coal	A combined set of seven empty and seven loaded tubs was being hauled up an incline having a gradient of about 1 in 7 when a coupling broke and thirteen of the tubs ran wild. A woman who was standing in a level off the incline took fright and ran in front of the tubs. She was struck and killed. It was against the manager's orders to attach more than seven tubs to the rope at one time and there was no drag attached to the last tub of the combined set. Inspection and inquiry made.
111	6th September, 5-30 P.M.	Kurhurbaree mine, Giridih P. O., Bihar and Orissa.	East Indian Rail- way.	Akloo Gope, (m.), 34, Coal-cutter.	Coal	While two miners were pushing two empty tubs along a gallery on a line reserved for loaded tubs and dipping at 1 in 30, their tubs collided with a set of five loaded tubs which was gravitating in the opposite direction. One of the miners was thrown against the side of the gallery and killed instantly. Inspection and inquiry made.
112	7th September, 2 P.M.	Kongon & Borjan mine, Kongnyu P. O., Assam.	Nazira Coal Co., Ltd.	Hydrataladi, (m.), 38, Surface coal loader.	Coal	When a set of four full tubs was passing over the brow of a self-acting incline dipping at 1 in 3 1/2 the rope broke and the set ran amain. A surface labourer who was walking up the incline was struck by the runaway tubs and fatally injured. He had been warned not to travel on the incline until the set had been lowered. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
HAULAGE—(25 deaths)—contd.						
113	8th September, 7-30 A.M.	Tisra mine, Jharua P. O., Bihar and Orissa.	Amarsingh Gowamal and Manji Gowamal.	Keshabar Singh, (m.), 32, <i>Underground trammier.</i>	Coal	Deceased was attempting to re-rail a loaded tub in a set of seven while the set was in motion. Three of the front tubs turned over, and he was crushed between one of the overturned tubs and the side of a pillar while running for safety and sustained fatal injuries. Inspection and inquiry made.
114	23rd September, 4 A.M.	Poniaty mine, Charanpur P. O., Bengal.	H. K. Nag	Akali Bauri, (m.), 25, <i>Trolleyman.</i>	Coal	While a set of eight empty tubs was being lowered down a haulage plane dipping at 1 in 10, the second tub of the set became derailed and caused the first tub to become uncoupled and run "wild". A trolleyman who was coming out of a level 300 feet below was struck by the tub and fatally injured. Inspection and inquiry made.
115	14th October, 8 P.M.	Bararee mine, Jaogom P. O., Bihar and Orissa.	East Indian Coal Co., Ltd.	Mongal Manjhi, (m.), 32, <i>Coal-cutter.</i>	Coal	Two miners were walking with insufficient light when a rake of five loaded tubs collided with them. They both received injuries, as the result of which one man died twelve days later. Inspection and inquiry made.
116	1st November, 4 P.M.	Tisra mine, Jharua P. O., Bihar and Orissa.	Diamond Coal Co.	Rami Deswali, (f.), 25, <i>Coal-carrier.</i>	Coal	An empty and four loaded tubs were resting against a ledge of coal one foot high, which acted as a "buffer", in a gallery with a gradient of 1 in 10. Deceased was standing between the tubs, loading the last one against the "buffer", when the loaded tubs above moved and she was crushed between them. She was killed instantly. Inspection and inquiry made.
117	16th November, 12 Noon.	Bhagaband mine, Jharua P. O., Bihar and Orissa	Borra Coal Co., Ltd.	Furki Baurin, (f.), 25, <i>Coal-carrier.</i>	Coal	A set of eight empty tubs had been drawn out of a level and was about to be lowered down a haulage road dipping at 1 in 11, when the first tub became uncoupled, ran uncontrolled for a distance of about 900 feet, and was d-railled at a crossing. Deceased who was nearby was struck and killed instantly. Inspection and inquiry made.

SUNDRIES UNDERGROUND—(10 deaths).

118	11th January, 4-10 P.M.	Ekra Khas mine, Bansjora P. O., Bihar and Orissa	Maharaja Srish Chandra Nandi.	Janki Nuntic, (m.), 35, <i>Stone-cutter.</i>	Coal	While bringing down a piece of stone in a quarry, a man fell a height of 12 feet, and received serious injuries, from which he afterwards died. Inspection and inquiry made.
119	17th March, about 9 A.M.	Kharkhari-Mohoshpur mine. Katrasgarh P. O., Bihar and Orissa.	Kharkhari Coal Co.	Debu Gope, (m.), 18, <i>Coal-cutter.</i>	Coal	While on the way to his working place underground, deceased it is presumed, entered a fenced off area for a natural purpose and fell from the top section to the bottom section workings, 13 feet below. He was killed instantly. Inspection and inquiry made
120	27th March, 2-50 P.M.	Sibpur mine, Charanpur P O., Bengal.	Katras-Jherria Coal Co., Ld.	Madan Ghosh, (m.), 35, <i>Labourer.</i>	Coal	Deceased ran down a haulage dip in front of a runaway train of tubs and crashed violently into a stopping. He sustained internal injuries which proved fatal. Inspection and inquiry made.
121	5th April, 11-30 A. M.	Loyabad mine, Bansjora P. O., Bihar and Orissa.	Barrakur Coal Co., Ld.	Ali Mohammed, (m.), 30, <i>Labourer.</i>	Coal	While lashing a rope to a pipe below water in a dip gallery a labourer was drowned. Inspection and inquiry made.
122	5th May, 1-30 A. M.	Sendra mine, Bansjora P. O., Bihar and Orissa.	Sendra Coal Co., Ld.	Rasdhari Turi, (m.), 26, <i>Coal-carrier.</i>	Coal	While a miner was filling his basket with coal in a depillar-ing section, a prop fell out and displaced another prop which struck him causing serious injuries, from which he afterwards died. Inspection and inquiry made
123	18th May, 10-15 A. M.	Lodna mine, Jharis P. O., Bihar and Orissa.	Lodna Colliery Co. (1920), Ld.	Rambharas Kunbi, (m.), 42, <i>Coal-cutter.</i>	Coal	While deceased was drilling a shot hole in a pillar under extraction, a prop, about 25 feet long, fell out and struck him on the head. He sustained injuries to which he succumbed the following day. Inspection and inquiry made.
124	16th August, 8 P. M.	Namdang mine, Margherita P. O., Assam.	Assam Railways and Trading Co., Ld.	Khoja Mohammad Pathan, (m.), 48, <i>Coal-cutter.</i>	Coal	A gallery 10 feet wide, 6 feet high and rising at 1 in 1½ had become jammed with coal which had fallen from the roof of an 'opening'. Deceased was attempting to relieve the "jam" when the coal suddenly rushed down the gallery. He was buried and suffocated before he could be released. Inspection and inquiry made.
125	4th September, 4-30 P.M.	Bararoo mine, Joalgora P. O., Bihar and Orissa.	East Indian Coal Co., Ld.	Megha Mahato, (m.), 32, <i>Coal-cutter</i>	Coal	While working underground deceased struck his knee with his pick. After receiving medical attention at the colliery hospital, he went to his quarters and for five days, treated the wound himself. Septicæmia then set in and he returned to hospital where he died three months later. Ins-pection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
SUNDRIES UNDERGROUND—(10 deaths)—contd.						
126	8th October, 5 A.M.	Ena mine, Jharia P. O., Bihar and Orissa.	North West Coal Co., Ltd.	Lutabali Meah, (m.), 30, Coal-cutter.	Coal	Deceased was lifting a basket of coal on to a companion's head in a depillaring area. When a piece of coal, 1' x 1' x 6", rolled from the goaf on to his left leg, resulting in serious injuries. He died four days later. Inspection and inquiry made.
127	31st December, 9-45 A.M.	Bawdwin mine, Namtu P. O., Burma.	Burma Corporation, Ltd.	Maguni Chand, (m.), 35, Miner.	Silver- lead-zinc	While a grizzly in a chute was being cleared the staging or slide over the manway suddenly gave way and pinned a miner below it. He was severely injured and afterwards died. Inspection and inquiry made.
BY SURFACE MACHINERY—(2 deaths).						
128	23rd June, 6 A.M.	Hurriladih mine, Jharia P. O., Bihar and Orissa.	Equitable Coal Co., Ltd.	Jharu Meah, (m.), 40, Labourer.	Coal	It is presumed that whilst attempting to cross over the driving shaft on a chain grate stoker in action deceased was caught by a sprocket wheel on the shaft and fell upon it. He received serious injuries which proved fatal forty hours later. Inspection and inquiry made.
129	23rd June, 11 A.M.	South Kujama mine, Jharia P. O., Bihar and Orissa.	South Kujama Colliery Co.	Yusuf Meah, (m.), 20, Labourer.	Coal	A small stationary vertical engine, which was used for driving a dynamo, was being tested after undergoing repairs. The rim of the driving pulley was loose, and when the engine was accelerated, the rim flew off and struck deceased. He sustained serious injuries to which he succumbed four days later. Inspection and inquiry made.
ON SURFACE RAILWAYS AND TRAMWAYS BELONG- ING TO THE MINE—(5 deaths).						
180	13th April, 9 A.M.	Ghogry mine, Junnordeo P. O., Central Provinces.	Seth Misrail Megh- raj & Brothers.	Shanker Kunbi, (m.), 40, Trammer.	Coal	While two trammers were riding on a loaded tub which was gravitating on a slightly graded line the next tub overtook them. One managed to jump clear but the other was crushed between the two tubs and died soon after. Inspection and inquiry made.

131	11th July, 12-30 P.M.	Makerwal mine, Trag P. O., Punjab.	L. Iswar Das Kapur and Mr. C. B. Petman.	Mahammad Din, (m.), 40, Filter.	Coal	Deceased was crushed under a portable water-tank while it moved uncontrolled down a gradient of 1 in 28 approximately and turned over. He was killed instantly. Inspection and inquiry made.
132	9th September, 2-30 A.M.	Kargali mine, Bokaro P. O., Bihar and Orissa.	Secretary of State for India.	Chetan Bhuiya (m.), 25, Trolleyman.	Coal	Deceased was engaged in placing a tub in a tippler when another tub running wild, struck him. He was seriously injured and died three hours later. Inspection and inquiry made.
133	22nd November, about 10 A.M.	Lakurka mine, Katrasgarh P. O., Bihar and Orissa.	Lakurka Coal Co., Ld.	Bahadur Kahar, (m.), 34, Labourer.	Coal	While helping to push an empty wagon along a railway siding, deceased slipped and fell between the wharf wall and the moving wagon. He received serious injuries and died seven hours later. Inspection and inquiry made.
134	4th December, 11 A.M.	Ghogri (East) mine, Junnordeo P. O., Central Provinces.	Seth Misrilal Megraj & Brothers.	Dularia Kolin, (f.), 26.	Coal	Deceased attempted to ride on a moving tub on a surface tramline and slipped and fell under the tub. She received severe injuries to the right leg and died in hospital eleven days later.
MISCELLANEOUS ON SURFACE—(8 deaths.)						
135	8th March, 10-45 A.M.	Searssole mine, Raiganj P. O., Bengal.	Searssole Coal Co., Ld.	Mati Baurin, (f.), 45, Coal-carrier.	Coal	A coal-carrier engaged in carrying coal from a loading depot to a bungalow, was crossing a railway line when she was knocked down by a train and killed instantly. Inspection and inquiry made.
136	18th March, 5-30 P.M.	Taungzau mine, Taungzau P. O., Burma.	Osman Mastikhan & Co.	Ko Po Aye, (m.), 40, Driller.	Stone	While leaving a quarry a driller slipped down a bank 6 feet high. The drill which he was carrying pierced his chest, killing him. Inspection and inquiry made.
137	2nd April, 12-30 P.M.	Gopalpur mine, Pakur P. O., Bengal.	S. G. Bose (Lessee), Rajgaon Stone Co., Ld.	Mutha Manjhi, (m.), 15, Loco Cleaner.	Stone	After lighting a cigarette, a cleaner working in a locomotive shed threw down a lighted match which ignited some jute waste which was saturated with oil. This in turn set fire to his clothing and he sustained burns to which he succumbed three days later. Inspection and inquiry made.
138	19th July	Searssole mine, Raiganj P. O., Bengal.	Searssole Coal Co., Ld.	Sabi Baurin, (f.), 38, Loader.	Coal	The body of a female loader was found floating in a boiler feed tank. It was presumed that she had gone there to drink water and had fallen in. Inspection and inquiry made.
139	27th August, 9-30 A.M.	Bhangia Gurotote mine, Japla P. O., Bihar and Orissa.	Sone Valley Port- land Cement Co., Ld.	Etwarin Chamain, (f.), 16, Loader.	Li m e - stone.	While running for safety a female loader slipped and was struck by a mass of stone, about 2' x 1'-9" x 9", which was thrown down from the face of a quarry from a height of 75 feet. She received injuries to which she succumbed nine days later. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1933—*contd.*

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Cause of accident and remarks.
140	12th November, 4-35 A.M.	Newton Chickli mine, Parasra P. O., Central Provinces.	Newton Chickli Collieries, Ltd.	Bhikka, (m.), 18, Bankman.	Coal	Deceased fell asleep near a coal fire. His clothing caught fire and he was severely burnt and died soon afterwards.
141	Probably 7th or 8th December.	Ena mine, Jharra P. O., Bihar and Orissa.	North West Coal Co., Ltd.	Unknown man, (m.), about 15.	Coal	The body of an unknown man was found lying at the bottom of a surface subsidence 25 feet deep. Inspection and inquiry made.
142	31st December, 6-15 A.M.	Bhanga Guroso to mine, Japla P. O., Bihar and Orissa.	Sone Valley Portland Cement Co., Ltd.	Bigu Kaudoo, (m.), Loader.	Limestone	While running for safety, deceased fell down and was struck by a large piece of stone, measuring about 3' x 8' x 2', which was thrown down from the face of a quarry from a height of 60 feet. He received injuries which proved fatal two and half hours later. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1933—*contd.*

Serial number	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex age and occupation of person killed.	Name of mineral worked.	Reason for exclusion	Cause of accident and remarks.
FATAL ACCIDENTS NOT INCLUDED IN THE STATISTICS—(25 deaths).							
1	13th January, 3-30 P.M.	Kustore mine, Kusunda P. O., Bihar and Orissa.	Rauegunge Coal Association, Ltd.	Bamji Teli, (m.), 26, Coal-cutter.	Coal	An accident under the Railways Act.	A miner was walking beside the main line track. The engine of a train, travelling in the same direction, struck a crowbar which he was carrying. He received injuries which caused instantaneous death. Inspection and inquiry made.
2	9th February, 10-30 P.M.	Golukdih mine, Jharia P. O., Bihar and Orissa.	Bangur Daga & Co.	Panwa Chamarin, (f.), 30, Labourer. Doman Chamar, (m.), 10. Nankua Chamar, (m.), 3.	Coal	Not a mining accident.	While a number of persons were sleeping in a temporary hut with a straw roof, the roof caught fire from a fire inside the hut. Two children were burnt to death on the spot and a woman received severe burns which proved fatal twelve hours later. Inspection and inquiry made.
3	10th February, 10 A.M.	Monoharbabal mine, Asansol P. O., Bengal.	Chaudanmull Indrakumar.	Titua Dosadh, (m.), 22, Cowherd.	Coal	Not employed.	Deceased, who was a cowherd, was drowned while bathing in a boiler feed tank. Inspection and inquiry made.
4	22nd February, 4-15 P.M.	Shivrajpur mine, Shivrajpur P. O., Bombay.	Shivrajpur Syndicate, Ltd.	Kuloo, (m.), 42, Labourer.	Manganese ore	Not a mining accident	Deceased fell into a pool of water and was drowned.
5	21st February, 12-30 P.M.	Madhuband mine, Nalchurkee P. O., Bihar and Orissa.	Kuram Chand Thapar & Brothers, Ltd.	Bula Bhuiya, (m.), 19.	Coal	Not employed.	Deceased was drowned while bathing in an old quarry containing about 6 feet of water. Inspection and inquiry made.
6	22nd February, 11 A.M.	Ganhodih mine, Jharia P. O., Bihar and Orissa.	S. B. Banerjee	Baushi Mochi, (m.), 17.	Coal	Not employed.	Deceased was drowned while bathing in an abandoned quarry. Inspection and inquiry made.

APPENDIX II—contd.

Fatal Accidents during the year 1933—contd.

Serial number.	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
FATAL ACCIDENTS NOT INCLUDED IN THE STATISTICS—(25 deaths)—contd.							
7	12th March, 7-5 P.M.	Bokaro mine, Bokaro P. O., Bihar and Orissa.	East Indian and Bengal Nagpur Railways.	Mussummat Niku, (f.), about 60.	...	An accident under the Electricity Act.	Deceased climbed a post carrying a high tension electric power line and apparently came in contact with a live conductor. She received a shock at about 6,830 volts and fell down. In falling her head was jammed between two members forming part of the post. She was understood to be of unsound mind. The system was 11,000 volts A. C. 3 phase with earthed neutral. Inspection and inquiry made.
8	13th March, 3 P.M.	Ena mine, Jharia P. O., Bihar and Orissa.	North West Coal Co., Ltd.	Grajan Bhumij (m.), 45, Coal-cutter.	Coal	Not a mining accident.	A miner was taken ill while at work underground, and died shortly after being brought to the surface. Inspection and inquiry made.
9	16th March, 5-30 P.M.	Charanpur mine, Charanpur P. O., Bengal.	Apcar Collieries, Ltd.	Bhabi Banria, (f.), 20.	Coal	Not employed.	Two goats went into an old subsidence over a fire area and were "gassed". The owner went down to retrieve them and collapsed. When his wife went to his assistance she also collapsed and was asphyxiated. The owner recovered after artificial respiration. In attempting to rescue them other three persons were affected but managed to get out. Inspection and inquiry made.
10	24th March, about 8-45 A.M.	Malkera-Choitodih mine, Katraegarh P. O., Bihar and Orissa.	Tata Iron and Steel Co., Ltd.	Abhu, (f.), 3.	Coal	Not employed.	While playing, deceased fell into a tank, containing water, 4 feet deep, and was drowned. Inspection and inquiry made.
11	31st May, 6 P.M.	Gopalichuck West mine, Kusunda P. O., Bihar and Orissa	Gopalichuck Co., Ltd.	Chohan Mahato, (m.), 25, Coal-carrier.	Coal	An accident under the Railways Act.	While crossing a railway main line in front of a running train deceased was run over and killed instantly. Inspection and inquiry made.

12	5th June	Kargali mine, Bokaro P. O., Bihar and Orissa	Secretary of State for India.	Dasmal Chama- rin, (f.) 80.	Coal	Not em- ployed.	A blind woman wandered on to a spoil heap which was on fire. Her body was found in the early hours of the morning, lying on the ground, the arms back and head being severely burned. Inspection and inquiry made.
13	18th June, 2-30 P.M.	Sonardih mine, Katrasgarh P. O., Bihar and Orissa	Chandanmull Indrakumar.	Mukti Telin, (f.), 16.	Coal	Not em- ployed.	A girl was drowned in an old abandoned quarry. The quarry was adequately fenced. Inspection and inquiry made.
14	1st July, 12 noon.	Chhatrisganda mine, Pandaveswar P.O., Bengal.	Samla Collieries, Ld.	Khudu Bastami, (f.), 70.	Coal	Not em- ployed.	While deceased was standing aside to let a locomotive pass she slipped and fell against the engine receiving severe injuries from which she afterwards died. Inspection and inquiry made.
15	4th August, 8 A.M.	Poidih mine, Sundarchak P. O., Bengal.	Bengal Coal Co., Ld.	Sairavi Baurin, (f.), 41, Coal-carrier.	Coal	An acci- dent under the Rail- ways Act.	Deceased was sheltering from the rain under a wagon when it was bumped by an engine. While attempting to come out, she fell on the line and was run over by the wheels of the wagon. Inspection and inquiry made.
16	17th August, 4 A.M.	Banksimnla mine, Charanpur P. O., Bengal.	Do.	Abani Nath Pal, (m.), 23, Electrician.	Coal	Not a mining accident.	Deceased, who was on duty, was found lying on the floor of a switch room in an unconscious state. A medical examination revealed the fact that he had taken a fatal dose of opium to commit suicide. He expired within a few hours of his taking the opium. Inspection and inquiry made.
17	10th August.	East Barkubi mine, Parasia P. O., Central Pro- vinces.	Hazi Syed Zahirud- din.	Son of Budoo Kolo, (m.), 3.	Coal	Not em- ployed.	A child three years old fell into a disused incline containing water and was drowned. The incline was fenced. The manager was asked to fill it in. Inspection and inquiry made.
18	28th Septem- ber.	Singaran mine, Teposi P. O., Bengal.	Singaran Coal Syn- dicate, Ld.	Sourji Mojhan, (f.), 27, Beggars.	Coal	Not em- ployed.	Deceased was found drowned in an old shaft 50 feet deep. In- spection and inquiry made.
19	3rd October, 7-30 A.M.	Kustoro mine, Kuanuda P. O., Bihar and Orissa.	Rancegunge Coal Association, Ld.	Deobati, (f.), 20, Loader.	Coal	Not a mining accident.	Deceased jumped down a shaft, 205 feet deep, and was killed instantly. Inspection and inquiry made.
20	22nd October, 9-30 A.M.	Damra Mine, Kalipahari P. O., Bengal.	Kalipahari Co., Ld.	Khendi Mahalin, (f.), 9.	Coal	Not em- ployed.	A child slipped and fell into an unfenced old incline contain- ing water about 8 feet deep and was drowned. Inspection and inquiry made.

APPENDIX II—*contd.*

Fatal Accidents during the year 1933—*concl'd.*

Serial number	Date and hour of accident.	Name and situation of mine.	Name of owner.	Name, sex, age and occupation of person killed.	Name of mineral worked.	Reason for exclusion.	Cause of accident and remarks.
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FATAL ACCIDENTS NOT INCLUDED IN THE STATISTICS—(25 deaths)—*concl'd.*

21	30th October, 10 A.M.	Hermyingyi mine Hermyingyi P. O., Burma	Consolidated Tin Mines of Burma, Ltd.	Maung Sain Mai (m.), 35, Sawyer.	Tin and wolfram	Not a mining accident	Two wood-cutters felled a tree which in falling came to rest against another tree. While felling the second one the first tree fell and fatally injured one of the wood-cutters. Inspection and inquiry made.
22	11th November, 8-30 P.M.	Upper Ghorawary. Mine, Jumnordeo P. O., Central Provinces.	Lala Bud'oo Lal.	Menoti Mahra, (f.), 30, Loader.	Coal	Not a mining accident.	Deceased fell into a well and was drowned.
23	14th November, 5 P.M.	Bhulanbararee mine, Pathardih P. O., Bihar and Orissa.	Bhulanbararee Coal Co., Ltd.	Ramabatar Kanoo, (m.), 15.	Coal	Not employed.	Deceased was trying to jump on a set of five loaded tubs which was being hauled up a surface haulage with a gradient of 1 in 5, when he fell between the tubs and was run over. He sustained serious injuries to which he succumbed an hour later. Inspection and inquiry made.

APPENDIX II.

Table No. 2.

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL						
			Number of deaths.						Total.
			Under-ground.		Open workings.		Surface.		
Males.	Females.	Males.	Females.	Males.	Females.				
Assam	Lakhimpur—M a k n u coalfield.	5	5	...	...	...	...	...	5
	Naga Hills—Nazira coalfield.	1	1	...	...	...	...	...	1
Baluchistan	Sibi—Khost coalfield	...	...	...	...	...	...	...	...
Bengal (and part of Bihar and Orissa).	Raniganj coalfield	25	21	4	...	...	...	2	27
Bihar and Orissa	Jharia coalfield	61	51	9	1	...	4	...	65
	Bokaro "	2	...	...	1	...	1	...	2
	Karanpura "	1	1	...	...	...	...	...	1
	Giridih "	3	4	...	...	...	...	...	4
Central Provinces	Chanda	1	1	...	...	...	...	...	1
	Chhindwara—P e n o n Valley coalfield.	15	10	3	...	...	2	1	16
Punjab	Salt Range coalfield	2	1	...	...	...	1	...	2
Total (Coal)		116	95	16	2	...	8	3	124

DIX II—contd.

No. 2.

regulated by the Indian Mines Act, during the year 1935.

ACCIDENTS.				SERIOUS ACCIDENTS.											
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.							Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Males.	Females.	Males.	Females.					
AL															
4.60	...	...	3.17	43	39	...	...	...	3	1	48	35.07	...	8.62	97.28
4.55	...	...	2.84	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	1	1	...	...	...	...	...	1	9.71	...	...	9.52
0.71	...	0.16	0.55	80	57	10	...	...	15	...	82	1.90	...	1.17	1.68
1.49	1.02	0.21	1.06	171	131	20	...	...	19	5	175	3.74	...	1.28	2.91
...	0.23	0.37	0.21	38	30	...	...	5	5	...	40	12.71	1.19	1.67	4.22
1.12	...	...	0.43	6	3	...	...	1	2	...	6	3.37	1.16	3.34	2.55
0.61	...	...	0.49	25	19	2	...	...	3	1	25	3.19	...	3.54	3.09
0.43	...	...	0.82	6	4	...	...	...	1	1	6	1.72	...	2.83	1.95
2.28	...	1.27	1.98	91	58	10	...	...	25	...	93	11.01	...	10.58	11.51
1.08	...	1.75	1.32	21	14	...	...	...	7	...	21	15.10	...	12.24	13.85
1.15	0.27	0.27	0.86	482	356	42	...	6	80	6	492	4.12	0.80	2.17	3.40

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL						
			Number of deaths.						
			Underground.		Open workings.		Surface.		Total.
			Males.	Females.	Males.	Females.	Males.	Females.	
IRON									
Bihar and Orissa . . .	Siaghbum . . .	..	..	..	..	..	..	..
Burma . . .	Northern Shan States .	..	..	..	..	..	..	..
	Total (Iron Ore) .	..	..	..	..	..	..	..
LEAD									
Burma . . .	Northern Shan States .	4	4	..	..	..	..	4
GO									
Bihar and Orissa . . .	Manbhum . . .	..	..	..	..	..	..	..
Burma . . .	Southern Shan States .	..	..	..	..	..	..	..
	Total (Gold) .	..	..	..	..	..	..	..
TIN AND									
Burma . . . . .	.....	7	2	..	7	1	..	10

DIX II—contd.

No. 2—contd.

regulated by the Indian Mines Act, during the year 1933—contd.

ACCIDENTS.				SERIOUS ACCIDENTS.												
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.								Serious injury rate per 1,000 persons employed.			
Underground	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.	
					Males.	Females.	Males.	Females.	Males.	Females.						
ORE																
...	3	...	...	2	...	1	...	3	...	0.91	1.02	0.94	
...	1	...	...	...	...	1	...	1	...	...	6.85	3.97	
...	4	...	...	2	...	2	...	2	...	0.56	1.60	1.14	
ORE																
1.39	1.17	94	91	...	...	...	4	...	95	31.64	...	8.18	27.87	
LD																
...	1	1	...	...	...	...	...	1	68.67	...	...	17.24	
...	1	...	...	...	...	1	...	1	...	...	10.42	8.20	
...	2	1	...	...	...	1	...	2	20.23	...	7.41	10.53	
WOLFRAM ORE																
1.27	1.27	...	1.16	23	10	...	3	...	10	...	23	6.33	0.48	13.70	2.07	

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL							
			Number of deaths.							
			Under-ground.		Open workings.		Surface.		Total.	
			Males.	Females.	Males.	Females.	Males.	Females.		
Bihar and Orissa	Singhbhum	2	2	..	..	..	..	..	2	COPPER
Bihar and Orissa . . . . .	.....	3	3	..	..	..	..	..	3	MI
Madras . . . . .	.....	..	..	..	..	..	..	..	..
	Total (Mica)	3	3	..	..	..	..	..	3	
Punjab . . . . .	.....	..	..	..	..	..	..	..	..	SA
Bihar and Orissa . . . . .	.....	2	..	..	..	1	1	..	2	LIME

DIX II—*contd.*No. 2—*contd.*regulated by the Indian Mines Act, during the year 1933—*contd.*

ACCIDENTS.				SERIOUS ACCIDENTS.												
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.								Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.		Total.	Underground.	Open workings.	Surface.	Underground, Open workings and Surface.	
					Males.	Females.	Males.	Females.	Males.	Females.						
STONE—<i>contd.</i>																
...	6.94	...	6.33	...	...	...	...	...	...	...	...	...	...	...	...
...	0.44	...	0.39	10	...	...	2	4	2	2	10	...	1.31	0.92	1.95
...	...	...	...	2	...	...	1	...	1	...	2	...	2.91	3.75	2.33
...	0.59	1.53	0.74	12	...	...	3	4	3	3	12	...	1.04	3.33	1.49
NE																
...	...	1.98	1.11	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	2	...	...	1	...	1	...	2	...	32.26	23.26	27.03
...	0.81	33.93	1.50	2	...	...	2	...	...	...	2	...	1.02	...	1.50
...	...	...	...	1	...	...	1	...	...	...	1	...	1.13	...	0.95

Table

Statement of fatal and serious accidents in and about Mines

Province.	District and Mineral field.	Number of separate fatal accidents.	FATAL						
			Number of deaths.						Total.
			Under-ground.		Open workings.		Surface.		
Males.	Females.	Males.	Females.	Males.	Females.	STO			
Punjab	Sheikhpura	1	...	...	1	...	..	..	1
	Total (Stone)	4	...	...	2	...	2	...	4
Central Provinces	Jubbulpore	...	...	...	...	...	...	...	FIRE
	Grand Total (All minerals).	142	106	16	18	3	11	4	153

DIX II—*contd.*No. 2—*concl.*regulated by the Indian Mines Act, during the year 1933—*concl.*

ACCIDENTS.				SERIOUS ACCIDENTS.											
Death rate per 1,000 persons employed.				Number of separate serious accidents.	Number of persons seriously injured.							Serious injury rate per 1,000 persons employed.			
Underground.	Open workings.	Surface.	Underground, Open workings and Surface.		Underground.		Open workings.		Surface.			Underground.	Open workings.	Surface.	Underground, Open workings and Surface.
					Males.	Females.	Males.	Females.	Males.	Females.	Total.				
NE—<i>contd.</i>															
...	5.32	...	4.93	...	...	...	...	...	...	...	...	...	...	...	...
...	0.21	0.59	0.31	5	...	...	4	...	1	...	5	...	0.42	0.30	0.38
CLAY															
...	...	...	...	1	...	...	...	1	...	...	1	...	2.67	...	3.52
1.09	0.38	0.20	0.74	655	463	43	12	11	110	11	670	4.08	0.65	2.30	3.24

APPENDIX II—*concl'd.*

Table No. 3.

Statement of fatal accidents in Mines regulated by the Indian Mines Act, during the year 1933, classified according to cause of accident.

Mineral worked.	Number of separate fatal accidents.	Number of persons killed.											Death rate per 1,000 persons employed.					
		Explosions and ignitions of fire-damp.	Falls of roof.	Falls of side.	In shafts.	Suffocation by gases.	By explosives.	Eruptions of water.	Haulage.	Underground machinery.	Miscellaneous underground.	Surface.	Electricity.	Total deaths.	Underground.	Open workings.	Surface.	Open workings and Surface.
Coal . . .	116	6	34	31	1	...	7	...	25	...	9	11	...	124	1.15	0.27	0.27	0.86
Lead Silver . .	4	...	1	1	1	...	...	...	...	...	1	...	...	4	1.39	...	...	1.17
Tin and Wolfram Ore.	7	...	2	8	...	...	...	...	...	...	...	...	...	10	1.27	1.27	...	1.16
Copper Ore . .	2	...	2	...	...	...	...	...	...	...	...	...	...	2	1.53	...	...	0.98
Mica . . .	3	...	1	1	1	...	...	...	...	...	...	...	...	3	0.34	...	...	0.24
Limestone . .	6	...	...	1	...	...	3	...	...	...	...	2	...	6	...	0.59	1.53	0.74
Stone . . .	4	...	...	2	...	...	...	...	...	...	...	2	...	4	...	0.21	0.59	0.31
Total 1933 . .	142	6	40	44	3	...	10	...	25	...	10	15	...	153	1.09	0.38	0.29	0.74
Total of preceding year.	163	7	52	58	6	19	13	...	29	...	7	13	1	200	1.34	0.34	0.28	0.98
Difference . .	-21	-1	-12	-9	-3	-19	-3	...	-4	...	+3	+2	-1	-47	-0.45	+0.04	+0.01	-0.24

APPENDIX III.

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1933.

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, and Rules and Sections of the Act contravened.	REMARKS.
Bengal	Burdwan . . .	1	1	1	Regulations 55 (1), 67 and 137 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	1	Regulations 82 and 146 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	4	4	Regulations 121, 132 and 146 of the Indian Coal Mines Regulations, 1926, and By-law 38 made under section 32 of the Indian Mines Act, 1923, read with Regulation 132 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	1	1	Rule 18 of the Bengal Government Rules made under section 30 of the Indian Mines Act, 1923, read with Regulation 137 (2) of the Indian Coal Mines Regulations, 1926.	
	Do.	1	2	2	Sections 286 and 304 of the Indian Penal Code.	
	Do.	1	1	1	Regulation 95 of the Indian Coal Mines Regulations, 1926.	
Bihar and Orissa.	Manbhum . . .	4	5	2	Regulation 17 of the Indian Coal Mines Regulations, 1926.	The cases against 3 of the accused were dropped.
	Do.	1	2	2	Regulation 137 (2) of the Indian Coal Mines Regulations, 1926, and Rule 15 of the Rules made by the Bihar and Orissa Government under section 30 of the Indian Mines Act, 1923.	

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1933—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, and Rules and Sections of the Act contravened.	REMARKS.
Bihar and Orissa— <i>contd.</i>	Manbhum . . .	1	2	2	Regulations 81 (c), 137 and 139 of the Indian Coal Mines Regulations, 1926.	
	Do.	1	3	3	Regulations 17 and 137 (2) of the Indian Coal Mines Regulations, 1926, and Rule 18 of the rules made by the Bihar and Orissa Government under section 30 of the Indian Mines Act, 1933.	
	Do.	1	1	...	Regulation 17 of the Indian Coal Mines Regulations, 1926 and Rule 18 of the Rules made by the Bihar and Orissa Government under section 30 of the Indian Mines Act.	Case dropped as accused was in an Indian State.
	Do.	1	2	2	Rule 18 of the Rules made by the Bihar and Orissa Government under section 30 of the Indian Mines Act.	
	Do.	1	3	...	Regulation 761 of the Indian Coal Mines Regulations, 1926	Two of the accused were acquitted and the case against the third was withdrawn.
	Do.	1	4	3	Regulations 139 and 149 of the Indian Coal Mines Regulations, 1926, and Regulation 4 of the Government of India Notification No. M-1055, dated 7th March 1929.	One of the accused died.
	Do.	1	2	1	Regulations 137 and 53 (2) of the Indian Coal Mines Regulations, 1926, and Rule 8 of the rules made by the Bihar and Orissa Government under section 30 of the Indian Mines Act, 1933.	Case against one of the accused was dropped.

APPENDIX III—*contd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1933—*contd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, and Rules and Sections of the Act contravened.	REMARKS.
Bihar and Orissa— <i>concd.</i>	Manbhum . . .	1	1	...	Regulation 3 (3) of the Indian Coal Mines Regulations, 1926.	Case against the accused was withdrawn.
	Do. . .	1	2	2	Regulations 67 and 137 of the Indian Coal Mines Regulations, 1926, and Bye-law 30 made under section 32 of the Indian Mines Act, 1923.	
	Giridih . . .	1	3	...	Regulation 67 of the Indian Coal Mines Regulations, 1926, and Bye-laws 39, 41, 42 and 44 made under section 32 of the Indian Mines Act, 1923.	The case against the accused was withdrawn.
Bombay . . .	Sakkur . . .	1	1	1	Regulation 3 (1) of the Indian Metalliferous Mines Regulations, 1926	
Burma . . .	Tavoy . . .	1	1	1	Regulation 3 (1) of the Indian Metalliferous Mines Regulations, 1926.	
Delhi . . .	Delhi . . .	1	2	...	Regulation 3 (2) of the Indian Metalliferous Mines Regulations, 1926.	Withdrawn.
Punjab . . .	Gurgaon . . .	1	1	1	Regulations 20, 38 and 40 of the Indian Metalliferous Mines Regulations, 1926, and Rule 9 of the Rules made by the Punjab Government.	
	Do. . . .	1	1	1	Regulations 20 and 40 of the Indian Metalliferous Mines Regulations, 1926, and Rule 9 of the Rules made by the Punjab Government.	

APPENDIX III—*concl'd.*

Statement of prosecutions under the Indian Mines Act, and Indian Penal Code, during the year 1933—*concl'd.*

Province.	District.	Number of prosecutions.	Number of persons prosecuted.	Number of persons convicted.	Number of Regulations, and Rules and Sections of the Act contravened.	REMARKS.
Punjab . .	Sheikhpura . .	1	2	...	Regulation 3 (1) of the Indian Metalliferous Mines Regulations, 1926.	The case was withdrawn.
	Hamirpur . .	2	4	4	Regulations 20 and 46 of the Indian Metalliferous Mines Regulations, 1926.	
	Do. . . .	3	6	6	Regulations 20 and 40 of the Indian Metalliferous Mines Regulations, 1926.	
	Do. . . .	1	2	2	Regulations 20, 42 and 46 of the Indian Metalliferous Mines Regulations, 1926.	
United Provinces.	Do. . . .	1	2	2	Regulations 20 and 42 of the Indian Metalliferous Mines Regulations, 1926.	
	Do. . . .	2	4	4	Regulations 20, 40 and 46 of the Indian Metalliferous Mines Regulations, 1926.	
	Do. . . .	4	5	5	Regulation 3 (1) of the Indian Metalliferous Mines Regulations, 1926.	
	Do. . . .	1	1	1	Regulation 3 (2) of the Indian Metalliferous Mines Regulations, 1926.	
	TOTAL . .	41	72	55		

APPENDIX IV.

Miscellaneous.

Statement No. 1.

LIST OF INSPECTION CIRCLE.

No. 1 Circle.	No. 2 Circle.
1. All mines in Baluchistan.	1. All mines in Assam.
2. All mines in Bihar and Orissa except mines in the District of the Santhal Parganas and such mines in the District of Manbhum as lie east of a line drawn from mile 175 on the Bengal Nagpur Railway to mile 169 on the Grand Trunk Road and continued in a straight line across the District.	2. All mines in Bengal.
3. All mines in the North-West Frontier Province.	3. Such mines in Bihar and Orissa as lie in the District of the Santhal Parganas and in the District of Manbhum east of a line drawn from mile 175 on the Bengal Nagpur Railway to mile 169 on the Grand Trunk Road and continued in a straight line across the District.
4. All mines in the Punjab.	4. All mines in Bombay.
5. All mines in Rajputana.	5. All mines in Burma.
6. All mines in the United Provinces.	6. All mines in the Central Provinces.
	7. All mines in Madras.

Statement No. 2.

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1933.

Certificates granted to holders of English certificates of competency.

(a) FIRST CLASS.

Name.	Number of Indian certificate.	Date of Indian certificate.	Number of English certificate.	Date of English certificate.
Buroh, William Mitchell . . .	367	10th January 1933 .	2508	31st July 1930.
Fitz, Arthur Willis . . .	368	Ditto .	2829	25th January 1929.

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 2—*contd.*

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1933—*contd.*

Certificates granted to holders of English certificates of competency—*contd.*

(b) SECOND CLASS.

Nil.

(c) SURVEYORS' CERTIFICATES.

Name.	Number of Indian certificate.	Date of Indian certificate.	Number of English certificate.	Date of English certificate.
Fitz. Arthur Willis	2	10th January 1933 .	1009	24th July 1931.

INDIAN CERTIFICATES.

(a) FIRST CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Kapoor, Bal Krishna	213	28th April 1933.	
Bagroy, Dasodhi Ram	214	Ditto.	
Sahgal, Siri Nath	215	Ditto.	
Katambe, Yeshwant Mahadoo	216	Ditto.	

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 2—*contd.*

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1933—*contd.*

INDIAN CERTIFICATES—*contd.*

(b) SECOND CLASS.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Cooper, Sydney Jukes	476	3rd May 1933.	
Dey, Suresh Chandra	477	Ditto.	
Jabbi, Gurbachan Singh	478	31st August 1933.	
Patel, Raojibhai Chhotabhai	479	3rd May 1933.	
Grewal, Sarwan Singh	480	Ditto.	
Shah, Bhogilal Chhotalal	481	Ditto.	
Diddee, Dev Datta	482	Ditto.	
Marwah, Bichittar Singh	483	Ditto.	
Beck, Eric Frank	484	Ditto.	
Datay Laxmi Krishna	485	Ditto.	
Chatterjee, Debi Pada	486	Ditto.	
Bagchi, Nandalal	487	Ditto.	
Dey, Kishori Ballav	488	Ditto.	
Dutt, Nibaron Chandra	489	Ditto.	
Datta, H. C. S.	490	Ditto.	
Bose, Mihir Kumar	491	Ditto.	
Pondse, Narayan Vinayak	492	31st May 1933.	
Singh, Harnam	493	3rd May 1933.	

APPENDIX IV—*contd.*Miscellaneous—*contd.*Statement No. 2—*concl'd.*

Names of persons to whom first and second class coal mine managers' certificates of competency and surveyors' certificates of competency were granted during the year 1933—*concl'd.*

INDIAN CERTIFICATES—*concl'd.*

(c) SURVEYORS' CERTIFICATES.

Name.	No. of certificate.	Date of certificate.	REMARKS.
Chopra, Vidya Sagar	64	2nd February 1934.	
Yasin, Mohammed	65	Ditto.	
Dey, Suresh Chandra	66	Ditto.	
Chatterjee, Dharendra Nath	67	Ditto.	
Singh, Ram Nareah	68	Ditto.	
Ghatak, Ganga Dhar	69	Ditto.	
Khanna, S. M.	70	Ditto.	
Shah, Bhogilal Chhotalal	71	Ditto.	
Chatterjee, Gati Gobinda	72	Ditto.	
Patel, Raojibhai Chhotabhai	73	Ditto.	

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 3.

NOTIFICATION.

Simla, the 20th April 1933.

No. M.-1265.—In exercise of the powers conferred by sub-section (1) of section 4 of the Indian Mines Act, 1923 (IV of 1923), the Governor General in Council is pleased to appoint the undermentioned officers to be *ex-officio* Inspectors of Mines :—

Madras Presidency.

- The District Health Officer, Chingleput.
- The District Health Officer, Salem.
- The District Health Officer, Nellore.
- The District Health Officer, Kistna.
- The District Health Officer, Coimbatore.

Bengal Presidency.

- The Assistant Director of Public Health, Burdwan Circle.

Bombay Presidency.

- The Assistant Director of Public Health, Northern Registration District, Ahmedabad.
- The Assistant Director of Public Health, Central Registration District, Poona.
- The Assistant Director of Public Health, Southern Registration District, Belgaum.
- The Assistant Director of Public Health, Sind Registration District, Karachi.

Bihar and Orissa.

- The Director of Public Health, Bihar and Orissa.
- The Assistant Director of Public Health, Chota Nagpur Circle.
- The Assistant Director of Public Health, South Bihar Circle.
- The Chief Medical Officer, Jharia Mines Board of Health.

Punjab.

- The Director of Public Health, Punjab.
- The Assistant Director of Public Health, Rawalpindi Circle.
- The Assistant Director of Public Health, Lahore Circle.
- The Assistant Director of Public Health, Ambala Circle.
- The District Medical Officer of Health, Jhelum.
- The District Medical Officer of Health, Shahpur.
- The District Medical Officer of Health, Mianwali.

The District Medical Officer of Health, Attock.
 The District Medical Officer of Health, Rawalpindi.
 The District Medical Officer of Health, Kangra.
 The District Medical Officer of Health, Gurgaon.

Burma.

The Director of Public Health, Burma.
 The Assistant Director of Public Health, Burma.
 The Civil Surgeon, Northern Shan States.
 The Civil Surgeon, Mergui District.
 The Civil Surgeon, Tavoy District.
 The Civil Surgeon, Bassein District.

Central Provinces.

The Civil Surgeon, Nagpur District.
 The Civil Surgeon, Chhindwara District.
 The Civil Surgeon, Chanda District.
 The Civil Surgeon, Betul District.
 The Civil Surgeon, Jubbulpore District.
 The Civil Surgeon, Raipur District.
 The Civil Surgeon, Drug District.
 The Civil Surgeon, Bhandara District.
 The Civil Surgeon, Balaghat District.

Assam.

The Assistant Director of Public Health, Assam Valley Division.
 The Assistant Director of Public Health, Surma Valley Division.
 The Civil Surgeon, Lakhimpur.
 The Civil Surgeon, Naga Hills.

A. G. CLOW,

Joint Secretary to the Government of India.

PART II.

Total number of persons who ordinarily work in the mine but were prevented by sickness of other cause from attending work on the day shown above.

Classification.	No. of persons.
A.—Underground (<i>i.e.</i> , in places lying beneath the super-jacent ground).	
I. Males.	
II. Females.	
B.—Open workings (<i>i.e.</i> , in workings of the mine (including quarries) which are not situated beneath the super-jacent ground).	
I. Males.	
II. Females.	
C.—Surface (<i>i.e.</i> , not in the workings of the mine, including all subordinate officials and persons employed on sidings, loading wharves, private railways and surface tramways and also in carting).	
I. Males.	
II. Females.	

I certify that the total number of persons attending work was not higher on any other day of the week selected by the Chief Inspector.

Dated the 19 .

Owner, Agent or Manager.

NOTE.—Where persons are employed in both underground and open workings, the figures relating to them should be included under Section A.

Name of Mine

Name of Owner

Postal address of Owner

Signature of Owner, Agent or Manager

Dated 193 .

A. G. CLOW,

Joint Secretary to the Government of India.

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 5.

NOTIFICATION.

Simla, the 22nd June 1933.

No. M.—1055.—In exercise of the powers conferred by section 29 of the Indian Mines Act, 1923 (IV of 1923), the Governor General in Council is pleased to direct that the following further amendments, having been previously published as required by sub-section (1) of Section 31 of the said Act, shall be made in the Indian Coal Mines Regulations, 1926, namely :—

I. In regulation 15 -

(i) For the proviso to sub-regulation (1) the following proviso shall be substituted, namely :—

“ Provided that where plans have been prepared on any other scale before the passing of these regulations, the Chief Inspector may on application by the owner, agent or manager permit such plans to be maintained on that scale.”

(ii) For sub-regulation (4) the following sub-regulation shall be substituted, namely :—

“(4) The plans required by this regulation shall be kept in the office at the mine. They shall be accurate and shall be maintained up to a date within six months; provided that where any mine or seam is abandoned or the working thereof has been discontinued the plan shall, before such abandonment or immediately after such discontinuance, be brought up to date to the time of abandonment or discontinuance, as the case may be, unless such abandonment or discontinuance has been caused by circumstances beyond the control of the owner, agent or manager, in which case the fact that the plan is not up to date shall be recorded on it.”

II. For regulation 75 the following regulation shall be substituted, namely :—

“ Where work is being done in any seam or part of a seam below another seam or part of a seam which contains or may contain an accumulation of water, or where work is being done in an upper seam or part of an upper seam which is at a lower level than any part of a lower seam which contains or may contain an accumulation of water, adequate precautions shall be taken against such an irruption of water into the seam where work is being done as would be likely to endanger the lives of the workmen in the mine.”

III. After regulation 75, the following regulations shall be inserted, namely :—

“ 75A. When the owner, agent or manager of a mine intends or proposes by introducing water from the surface, or from any other part of the mine, or from an adjacent mine, to flood any part of the workings of his mine he shall give in writing not less than seven days notice of his intention to commence such operations to the Chief Inspector and to the management of all adjacent mines and such other mines as might be affected by such flooding :

Provided that the Chief Inspector may by order in writing—

- (a) permit such operations to be commenced on any day prior to the expiry of seven days from the receipt of notice ; or
- (b) require that such operations shall not be commenced until after the expiry of such time, not exceeding twenty days, from the receipt of notice as he may specify in this behalf.

75B. If the operations in respect of which notice is given under regulation 75A are not commenced within sixty days from the expiry of the period of notice of seven days therein referred to, the notice shall be deemed to have lapsed and the provisions of that regulation shall apply as if no such notice had been given."

IV. After regulation 76, the following regulation shall be inserted namely:—

"78A. Whenever 'crush' of pillars or any symptom of impending collapse other than that ordinarily caused by pillar extraction is detected, the owner, agent or manager of the mine shall inform the Chief Inspector forthwith."

V. In regulation 115, the words "or allow a shot to be fired" shall be omitted.

VI. After regulation 115, the following regulation shall be inserted, namely:—

"115A. In any place in a mine in which the use of a locked safety lamp is for the time being required by or in pursuance of these regulations no shot shall be stemmed or fired by any one who does not hold a sirdar's certificate endorsed for gas testing."

A. G. CLOW,

Joint Secretary to the Government of India.

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 6.

NOTIFICATION.

Dated New Delhi, the 25th November 1933.

No. M.-1051.—In exercise of the powers conferred by sub-section (1) of section 46 of the Indian Mines Act, 1923 (IV of 1923), the Governor General in Council is pleased to direct that the following further amendment shall be made in the Schedule to the notification of the Government of India in the Department of Industries and Labour, No. M-665, dated the 16th April 1930, namely :—

In the said Schedule, after entry 9, the following entry shall be inserted, namely :—

" 9-A. The following mines in the Presidency of Madras, namely :—

Stone quarries in the Mangalgiri Sub-division of the Guntur District not exempted from the operation of all the provisions of the Act under entry 1.	}	The provisions contained in section 28."
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A. G. CLOW,

Joint Secretary to the Government of India.

APPENDIX IV—contd.

Miscellaneous—contd.

Statement No. 7.

NOTIFICATION.

Dated New Delhi, the 20th December 1953.

No. M.-1055 (3).—In exercise of the powers conferred by section 29, of the Indian Mines Act, 1923 (IV of 1923), the Governor General in Council is pleased to direct that the following further amendment, having been previously published as required by sub-section (1) of section 31, of the said Act, shall be made in the Indian Metalliferous Mines Regulations, 1926, namely :—

In sub-regulation (2) of regulation I of the said Regulations for the words "other than a coal mine" the words "other than a coal or an oil mine" shall be substituted.

A. G. CLOW,
Joint Secretary to the Government of India.

APPENDIX IV—*contd.*

Miscellaneous—*contd.*Statement No. 8.

NOTIFICATION.

Dated New Delhi, the 20th December 1933.

No. M.-1055 (4).—In exercise of the powers conferred by sub-section (1) of section 46 of the Indian Mines Act, 1923 (IV of 1923), the Governor General in Council is pleased to direct that the following further amendments shall be made in the Schedule to the notification of the Government of India in the Department of Industries and Labour, No. M-665, dated the 16th April 1930, namely:—
In the said Schedule—

(a) For entry 2, the following entry shall be substituted, namely:—

“ 2. Borings and oil wells in the making or operation of which no person is employed
beneath the superjacent ground All ”

(b) In entry 6 after clause (iv) the following clause shall be inserted, namely:—

“ (v) ‘Twinza’ oil wells All ”.

A. G. CLOW,

Joint Secretary to the Government of India.

APPENDIX IV—*contd.*Miscellaneous—*contd.*

Statement No. 9.

NOTIFICATION.

Dated Calcutta, the 22nd December 1933.

No. 7018-Com.—In exercise of the powers conferred by section 30 of the Indian Mines Act, 1923 (IV of 1923), the Governor in Council is pleased to direct that the following amendment shall be made in the rules for coal mines published with Bengal Government notification No. 4788-Com., dated the 29th August 1924, namely :—

Amendment.

In Chapter IV of the said rules, *after* rule 17, *insert* the following, namely :—

“ 17A. When there is a possibility of the stability of occupied buildings on the surface of a mine, within the boundaries of the mineral leasehold, being affected by the extraction or reduction of underground pillars, notice in writing shall be sent to the Chief Inspector by the owner, agent or manager of the mine not less than one month before the commencement of the operations. The notice shall be accompanied by a plan showing the positions of the buildings in relation to the underground workings.”

R. N. GILCHRIST,

Joint Secretary to the Government of Bengal.