

**GOVERNMENT OF INDIA
MINISTRY OF COAL
LOK SABHA
UNSTARRED QUESTION NO.6143
TO BE ANSWERED ON 04.04.2018**

Targets and Achievements Gap in Coal Production

**6143. SHRI SANJAY DHOTRE:
SHRI RAHUL SHEWALE:
SHRI BHARTRUHARI MAHTAB:**

Will the Minister of COAL be pleased to state:

- (a)** whether there is a gap between targets fixed and achievements made by Coal India Limited (CIL) and its subsidiaries in producing raw coal from the underground mines during each of the last three years and the current year and if so, the details thereof, mine-wise;
- (b)** the contribution of underground mines of CIL and its subsidiaries in coal production of the country during the said period, mine-wise;
- (c)** the number of workers of CIL who died/got injured in extracting of deep seated coal deposits in the country, mine-wise; and
- (d)** the other steps taken by the Government to bridge the gap of targets and achievements of coal production?

ANSWER

**MINISTER OF RAILWAYS AND COAL
(SHRI PIYUSH GOYAL)**

(a)&(b): Mine-wise raw coal production target and achievement/contribution made by subsidiaries of Coal India Limited (CIL) from the underground mines during each of the last three years and the current year is at **Annexure-I**

(c): Company-wise, Mine-wise list of fatalities in UG mine of CIL from 2015 to 2017 and current year 2018 (upto February) is at **Annexure-II**.

Number of serious injuries for last three years from 2015 to 2017 and current year 2018 (upto February) is available at company level which is enclosed at **Annexure -III**.

(d): CIL has made following efforts to achieve the targeted production:

1. CIL and its subsidiaries are going for higher capacity mines with heavy mechanization to take advantage of economy of scale. As many as 26 mega projects (Capacities > 10 MTY) are under implementation and another 13 mega projects are under various stages of formulation and approval.
2. CIL has introduced state of the art technology to improve its work efficiency. High capacity HEMMs like 42 cum Shovel with 240 T Rear Dumper have been introduced in the ultra-mega projects of Gevra Expn OC, Dipka OC & Kusmunda OC.

3. Surface Miners have been introduced in opencast mines in a big way to improve operational efficiency & cater to environmental needs. During 2016-17, 46 % of the total coal was produced through Surface miners which is likely to further increase during the current year (48.3% till Dec-17) and subsequent years. Other technologies like High Angle Conveyor are proposed for coal transportation which will reduce the operational cost of the mine.
4. In underground mines, introduction of mechanized mass production technology is being done wherever geo-mining conditions are favourable. Two mines are being worked with powered support long wall technology and two more are proposed to be worked by this technology. Further, Continuous miner technology is in operation at 10 mines and is proposed in 10 mines.
5. Further, in the underground mines, basic thrust is on mechanization of coal winning/loading system, coal drilling & supporting system, coal evacuation system etc. Coal producing companies are gradually phasing out manual loading by Side Discharge Loader(SDL)/Load Haul Dumper (LHD) loading, manual drilling into Universal Drilling Machine (UDM) drilling, haulage system of transport to conveyor system wherever feasible
6. For rapid coal evacuation, a total of 16 nos. of silos with rapid loading system (capacity 108.5 Mt) are in operation and 9 more silos with rapid loading systems (capacity 91 Mt) are under various stages of construction and commissioning. Further, Ministry of Coal has directed to introduce Silo/Rapid Loading System (RLS) in mines of capacities 4 MT and above in the first phase and subsequently for mines with capacities of 1 MT and above in the second phase.

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Annexure- I

AREAS	NAME OF MINES	TARGET 2014-15 (Mill Te)	Achievement/ Contribution 2014-15 (Mill Te)	TARGET 2015-16 (Mill Te)	Achievement /Contribution 2015-16 (Mill Te)	TARGET 2016-17 (Mill Te)	Achievement/ Contribution 2016-17 (Mill Te)	TARGET APR'17- FEB'18 (Mill Te)	Achievement/ Contribution APR'17- FEB'18 (Provisional) (Mill Te)
ECL									
Pandaveswar	MADHAIPUR	0.090	0.073	0.077	0.068	0.080	0.060	0.069	0.064
	MANDERBONI & SOUTH SAMLA	0.090	0.089	0.092	0.095	0.100	0.087	0.082	0.075
	PANDAVESWAR	0.115	0.110	0.115	0.103	0.120	0.109	0.105	0.104
	DALURBANDH	0.090	0.085	0.020	0.013				
	KOTTADIH UG	0.300	0.281	0.376	0.284	0.350	0.261	0.274	0.354
Bankola	MOIRA	0.055	0.032	0.034	0.019	0.018	0.025	0.025	0.014
	KHANDRA	0.096	0.102	0.096	0.103	0.116	0.089	0.091	0.077
	SHYAMSUNDER PUR	0.490	0.606	0.680	0.722	0.735	0.679	0.650	0.588
	KUMARDIH A	0.100	0.090	0.090	0.074	0.079	0.066	0.078	0.069
	TILABONI	0.140	0.130	0.133	0.130	0.139	0.138	0.133	0.122
	SANKARPUR	0.130	0.122	0.125	0.110	0.117	0.126	0.133	0.130
	NAKRAKUNDA	0.035	0.031	0.031	0.026	0.028	0.027	0.000	0.022
	BANKOLA	0.154	0.193	0.190	0.190	0.191	0.208	0.174	0.192
KUMARDIH B	0.068	0.067	0.068	0.063	0.064	0.072	0.069	0.064	
Jhanjra	JHANJRA	1.290	1.423	1.954	1.482	2.500	2.438	2.582	2.815
Kajora	MADHUSUDANP UR 7 PIT / INCLINE	0.087	0.090	0.090	0.095	0.093	0.095	0.082	0.089
	PARASCOLE(EAS T)	0.100	0.104	0.104	0.107	0.109	0.106	0.091	0.074
	PARASCOLE(WES T)	0.101	0.087	0.088	0.095	0.096	0.088	0.101	0.064
	JAMBAD UG	0.100	0.102	0.103	0.113	0.108	0.144	0.111	0.130
	KHAS KAJORA	0.200	0.183	0.185	0.200	0.189	0.227	0.185	0.185
	CENTRAL KAJORA	0.114	0.072	0.071	0.085	0.087	0.095	0.082	0.068
	NABAKAJORA	0.050	0.061	0.061	0.066	0.066	0.038	0.064	0.042
	MADHABPUR UG	0.053	0.050	0.050	0.052	0.051	0.058	0.048	0.052
LACHIPUR		0.005							
Kenda	C L JAMBAD	0.040	0.045	0.041	0.046	0.045	0.046	0.037	0.038
	LOWER KENDA	0.070	0.045	0.040	0.051	0.052	0.049	0.064	0.040
	CHORA 10 PIT	0.043	0.039	0.036	0.039	0.043	0.043	0.038	0.034
	BAHULA	0.157	0.172	0.158	0.162	0.180	0.144	0.137	0.102
	NEW KENDA	0.042	0.034	0.020	0.033	0.036	0.032	0.027	0.011
	CHORA 7&9 PIT	0.070	0.079	0.077	0.093	0.100	0.088	0.078	0.075
	SIDULI	0.090	0.098	0.096	0.103	0.100	0.104	0.078	0.093
	CHORA BLOCK INCLINE UG	0.058	0.050	0.046	0.056	0.070	0.050	0.055	0.041
HARIPUR	0.055	0.054	0.055	0.006					
Kunustoria	AMRITNAGAR	0.102	0.116	0.130	0.087	0.108	0.105	0.101	0.109
	KUNUSTORIA	0.110	0.115	0.125	0.123	0.138	0.112	0.101	0.105
	BELBAID	0.090	0.082	0.095	0.082	0.101	0.084	0.082	0.063

	AMRASOTA		0.034		0.006				
	PARASEA 6 & 7	0.048	0.032	0.033	0.005				
	PARASEA UG	0.170	0.128	0.135	0.163	0.175	0.171	0.128	0.148
	BANSRA UG	0.210	0.204	0.196	0.199	0.178	0.178	0.165	0.159
Satgram	SATGRAM PROJECT	0.097	0.063	0.067	0.068	0.066	0.059	0.064	0.038
	SATGRAM INCLINE	0.024	0.036	0.030	0.047	0.040	0.038	0.037	0.027
	RATIBATI	0.018	0.015	0.016	0.020	0.020	0.013	0.000	0.000
	CHAPUIKHAS	0.015	0.015	0.015	0.016	0.018	0.019	0.023	0.024
	KUARDIH – TIRAT	0.024	0.022	0.022	0.024	0.023	0.028	0.022	0.009
	J K NAGAR	0.157	0.162	0.158	0.144	0.148	0.144	0.133	0.134
	PURE SEARSOLE	0.033	0.036	0.035	0.037	0.039	0.048	0.039	0.046
	JEMEHARI	0.018	0.014	0.010	0.016	0.016	0.021	0.000	0.014
	KALIDASPUR PROJECT	0.098	0.102	0.100	0.096	0.100	0.100	0.091	0.091
NIMCHA I UG	0.145	0.158	0.157	0.165	0.160	0.163	0.145	0.147	
Sripur	NINGAH	0.048	0.030	0.031	0.030	0.034	0.032	0.046	0.016
	GHUSICK	0.007	0.005		0.0001				
	S. S. INCLINE	0.057	0.045	0.046	0.038	0.044	0.023	0.041	0.004
	BHANORA (W) BLOCK UG	0.048	0.046	0.044	0.048	0.050	0.044	0.046	0.029
	KALIPAHARI UG	0.030	0.045	0.046	0.058	0.060	0.037	0.041	0.007
Sodepur	CHINAKURI – III	0.074	0.055	0.060	0.061	0.064	0.058	0.059	0.050
	CHINAKURI – I		0.004						
	SODEPUR	0.041	0.025	0.026	0.029	0.028	0.037	0.032	0.032
	MITHANI	0.026	0.027	0.030	0.029	0.029	0.027	0.027	0.026
	BEJDIH	0.030	0.031	0.032	0.030	0.030	0.029	0.023	0.023
	NARSUMUDA	0.070	0.063	0.065	0.071	0.072	0.072	0.069	0.064
	DHEMOMAIN PIT	0.027	0.022	0.025	0.027	0.029	0.019	0.018	0.014
	DHEMOMAIN INCLINE	0.027	0.024	0.025	0.019	0.022	0.023	0.023	0.023
	PATMOHONA	0.062	0.055	0.055	0.052	0.052	0.053	0.064	0.047
	PARBELIA	0.083	0.058	0.054	0.051	0.052	0.053	0.050	0.043
DUBESWARI	0.070	0.045	0.046	0.052	0.052	0.050	0.046	0.037	
Salanpur	CHAKBALLAVPUR	0.005	0.005		0.006	0.050	0.014		0.001
	BEGUNIA	0.005	0.010		0.004				
Mugma	BADJNA	0.080	0.095	0.085	0.080	0.090	0.054	0.073	0.054
	HARIAJAM	0.077	0.065	0.070	0.065	0.075	0.068	0.078	0.060
	LAKHIMATA	0.080	0.086	0.087	0.085	0.085	0.087	0.060	0.066
	SHYAMPUR B	0.058	0.067	0.067	0.069	0.080	0.069	0.059	0.060
	MANDMAN	0.029	0.042	0.044	0.042	0.045	0.033	0.019	0.007
	KUMARDHUBI UG	0.077	0.077	0.077	0.069	0.077	0.058	0.064	0.050
	KHODIA	0.030	0.041	0.042	0.042	0.044	0.043	0.032	0.031
CHAPAPUR II UG	0.077	0.085	0.077	0.088	0.090	0.071	0.070	0.055	
BCCL									
Barora	MURAIKDIH			0.250		0.130			
	DAMODA	0.033	0.080		0.002				
	PHULARITAND UG	0.132	0.055	0.150	0.085	0.131	0.079	0.164	0.033

Govindpur	JOGIDIH	0.042	0.042	0.045	0.038	0.042	0.037	0.055	0.024
	KHARKAREE	0.048	0.040	0.045	0.037	0.042	0.017		0.011
	MAHESHPUR	0.042	0.039	0.040	0.028	0.037	0.034	0.036	0.016
	NEW AKASH KINAREE	0.163	0.132	0.150	0.106	0.079	0.075	0.055	0.038
	GOVINDPUR COLLIERY	0.105	0.099	0.090	0.093	0.056	0.085	0.079	0.022
Katras	SALANPUR	0.141	0.131	0.120	0.126	0.130	0.107	0.082	0.060
	W. MUDIDIH COLLIERY	0.110	0.121	0.120	0.111	0.107	0.185	0.182	0.082
	AMALGAMATED ANGARPATHRA RAMKANALI COLLIERY (AARC)	0.174	0.110	0.120	0.102	0.093			
Sijua	MUDIDIH UG	0.086	0.064	0.075	0.047	0.056	0.041	0.073	0.024
	TETULMARI UG	0.114	0.097	0.095	0.065	0.075	0.060	0.082	0.047
Kusunda	GODHUR	0.074	0.049	0.040	0.020				
	DHANSAR	0.056	0.038						
PootkeeBalihari	BHAGABAND	0.050	0.050	0.040	0.036	0.024	0.023	0.043	0.027
	P. B. PROJECT	0.065	0.050	0.050	0.030	0.049	0.023	0.042	0.026
	GOPALICHUCK UG	0.030	0.032	0.035	0.022	0.023	0.012	0.009	0.005
	KB 10/12 PITS	0.040	0.033	0.040	0.024	0.024	0.009	0.027	0.004
	BURRAGARH	0.030	0.015	0.030	0.009	0.024	0.007		
	HURRILADIH	0.015	0.017						
Bastacolla	SIMLABAHAL	0.050	0.044	0.050	0.035	0.026	0.022		
	BASTACOLLA	0.152	0.131	0.190	0.157	0.128	0.123	0.123	0.121
	AMALGAMED EAST BHAGDIH SIMLABAHAL COLLIERY (AEBS)								0.004
	DOBARI	0.153	0.114						
	BERA	0.070	0.044	0.060	0.033	0.016			
Lodna	KUYA	0.040	0.033	0.045	0.024	0.039	0.004		
	JAYRAMPUR COLLIERY	0.021	0.004						
Eastern Jharia	BARAREE	0.049	0.056	0.065	0.060	0.061	0.056	0.023	
	SUDAMDIH	0.042	0.008						
	SUDAMDIH INC.		0.032		0.014				
	BHOWRAH (NORTH) COLLIERY	0.025	0.032	0.090	0.028	0.036	0.023	0.023	0.011
Chanch Victoria	BHOWRA (SOUTH) COLLIERY	0.038	0.032	0.090	0.025	0.027	0.022	0.022	0.009
	BASANTIMATA	0.050	0.051	0.025	0.052	0.070	0.045		0.016
Western Jharia	LOHAPATTY	0.073	0.049		0.036	0.015	0.014	0.013	0.007
	MURULIDIH 20/21	0.038	0.042		0.010				
	MOONIDIH PROJECT	0.449	0.063	0.700	0.353	0.460	0.575	0.507	0.366
CCL									
Barka-Sayal	BHURKUNDA	0.175	0.085	0.100	0.103	0.100	0.121	0.101	0.082
	SAUNDA 'D'	0.060	0.050	0.060	0.045	0.060	0.028		0.008

	SAYAL 'D'	0.090	0.078	0.090	0.065	0.080	0.050		0.009
	URIMARI	0.060	0.052	0.050	0.043	0.050	0.038	0.036	0.021
Argada	SIRKA	0.015	0.009	0.010	0.011	0.010	0.010		0.001
	ARGADA	0.035	0.028	0.030	0.025	0.025	0.025		0.010
North Karanpura	MANKI-CHURI	0.030	0.028	0.030	0.034	0.035	0.042	0.053	0.011
Piparwar	RAY-BACHRA	0.061	0.021	0.040	0.028	0.030	0.002		
Kuju	SARUBERA	0.060	0.046	0.050	0.050	0.050	0.047	0.035	0.018
	TOPA UG	0.030	0.027	0.030	0.028	0.030	0.024		
	KUJU UG	0.029	0.029	0.030	0.018	0.030	0.023		0.005
Hazaribagh	KEDLA	0.125	0.125	0.120	0.114	0.125	0.060	0.057	0.056
Kargali	KARO SPL	0.020	0.015	0.015	0.005				
	KARGALI	0.040	0.036	0.040	0.043	0.045	0.045		0.005
Dhori	DHORI KHAS	0.055	0.055	0.050	0.077	0.065	0.082	0.063	0.086
Kathara	GOVINDPUR	0.110	0.062	0.065	0.067	0.070	0.060	0.055	0.048
	SWANG	0.060	0.068	0.060	0.068	0.065	0.060		0.005
	JARANGDIH	0.045	0.028	0.030	0.024	0.030	0.018		0.002
WCL									
Chandrapur	NANDGAON INCL	0.200	0.111	0.155	0.113	0.155	0.092	0.118	0.086
	MAHAKALI	0.115	0.090	0.115	0.076	0.100	0.058	0.073	0.088
	CHANDA RAYATWARI				0.011	0.000	0.026	0.027	0.010
	DURGAPUR RAYATWARI	0.220	0.170	0.260	0.144	0.160	0.149	0.136	0.150
	MANNA INCLINE	0.140	0.122	0.130	0.128	0.110	0.095	0.091	0.086
	HLC NO.1	0.040	0.045	0.050	0.079	0.050	0.062	0.055	0.031
Ballarpur	BALLARPUR	0.125	0.126	0.175	0.135	0.175	0.097	0.114	0.107
	SASTI	0.175	0.195	0.205	0.195	0.025	0.127	0.146	0.125
Majri	NEW MAJRI NO. 3	0.180	0.094	0.020	0.050				
Wani North	RAJUR / BHANDEWADA INC	0.125	0.079	0.125	0.086	0.125	0.105	0.127	0.097
	KUMBARKHANI	0.185	0.139	0.200	0.114	0.200	0.065	0.100	0.041
Nagpur	SILEWERA	0.210	0.211	0.220	0.207	0.220	0.164	0.164	0.148
	AB INCLINE	0.195	0.175	0.200	0.154	0.180	0.120	0.136	0.088
	PIPLA	0.090	0.068	0.080	0.033	0.030	0.004	0.000	0.000
	PATANSAONGI	0.180	0.160	0.190	0.117	0.190	0.089	0.100	0.054
	SAONER-I	0.340	0.344	0.365	0.365	0.350	0.315	0.282	0.246
	SAONER-II	0.230	0.204	0.200	0.272	0.210	0.271	0.204	0.208
	SAONER-III	0.190	0.182	0.200	0.178	0.200	0.168	0.164	0.109
ADASA	0.320	0.319	0.330	0.304	0.320	0.244	0.227	0.128	
Umrer	MURPAR	0.060	0.025	0.060	0.023	0.060	0.005	0.087	
Pathakhera	SHOBHAPUR	0.520	0.519	0.500	0.474	0.450	0.189	0.136	0.188
	SARNI	0.450	0.546	0.460	0.482	0.420	0.171	0.109	0.203
	TAWA	0.710	0.722	0.705	0.705	0.720	0.554	0.491	0.450
	CHHATARPUR-I	0.550	0.519	0.580	0.538	0.600	0.406	0.413	0.313
	CHHATARPUR-II	0.145	0.128	0.140	0.130	0.140	0.096	0.109	0.110
	TAWA-II	0.560	0.522	0.560	0.500	0.580	0.480	0.463	0.360
Pench	NEHERIYA	0.280	0.258	0.400	0.360	0.400	0.385	0.382	0.298
	MATHANI	0.115	0.119	0.115	0.114	0.120	0.117	0.109	0.111
	VISHNUPURI-I	0.060	0.049	0.060	0.062	0.060	0.063	0.055	0.045

	VISHNUPURI-II	0.100	0.083	0.100	0.065	0.100	0.059	0.091	0.089
	GANPATI	0.115	0.119	0.120	0.120	0.120	0.048	0.073	0.012
	MAHADEVपुरI	0.065	0.055	0.070	0.061	0.070	0.069	0.109	0.086
	THESGORA	0.060	0.089		0.003				
KANHAN	AMBARA	0.080	0.109	0.110	0.110	0.110	0.063	0.091	0.026
	TANDSI	0.260	0.310	0.280	0.209	0.180	0.131	0.173	0.155
	Mohan UG	0.330	0.340	0.330	0.260	0.330	0.133	0.182	0.146
	GHORAWARI	0.180	0.222	0.190	0.202	0.140	0.145	0.114	0.080
SECL									
Sohagpur	RAJENDRA	0.420	0.441	0.440	0.437	0.440	0.370	0.360	0.302
	BANGWAR	0.320	0.332	0.330	0.330	0.350	0.267	0.313	0.254
	DAMINI	0.480	0.474	0.480	0.454	0.480	0.413	0.432	0.310
	KHAIRAHA	0.120	0.167	0.150	0.170	0.377	0.246	0.448	0.583
	SHARDA HIGHWALL	0.500	0.496	0.500	0.547	0.610	0.520	0.532	0.459
	DHANपुरI UG	0.160	0.164	0.160	0.167	0.160	0.175		0.121
Johilla	PALI UG	0.215	0.238	0.235	0.257	0.260	0.312	0.170	0.222
	NOWROZABAD (W)	0.115	0.127	0.135	0.116	0.120	0.099	0.091	0.082
	PINOURA	0.490	0.536	0.400	0.570	0.500	0.581	0.189	0.155
	UMARIA	0.175	0.210	0.225	0.263	0.265	0.176	0.182	0.169
	PIPARIA	0.125	0.118	0.135	0.098	0.122	0.048	0.091	0.077
	VINDHYA	0.160	0.163	0.270	0.284	0.280	0.300	0.432	0.484
	BIRSINGPUR	0.120	0.064	0.100	0.050	0.090	0.006		
JamunaKotma	JAMUNA 1 & 2/RO	0.210	0.165	0.195	0.134	0.154	0.161	0.161	0.118
	JAMUNA 9 &10	0.245	0.245	0.250	0.246	0.250	0.245	0.218	0.198
	MEERA	0.125	0.170	0.125	0.165	0.152	0.128	0.100	0.115
	BARTARAI / AMADAND	0.359	0.304	0.380	0.320	0.390	0.287	0.297	0.228
	BHADRA 7 & 8	0.100	0.090	0.100	0.113	0.130	0.089	0.109	0.095
Hasdeo	RAJNAGAR R.O.	0.450	0.447	0.450	0.306	0.306	0.220	0.163	0.174
	JHIRIA	0.330	0.268	0.330	0.236	0.330	0.230	0.298	0.172
	MALGA	0.105	0.144	0.125	0.127	0.040	0.095	0.000	0.036
	BIJURI	0.370	0.308	0.310	0.226	0.300	0.234	0.342	0.167
	SOMNA	0.170	0.108	0.100	0.101	0.110	0.068	0.072	0.033
	BEHERABAND	0.520	0.399	0.450	0.357	0.390	0.345	0.425	0.377
	KURJA / SHEETALDHARA	0.760	0.815	0.730	0.623	0.880	0.747	0.454	0.399
	KAPILDHARA	0.505	0.538	0.695	0.655	0.684	0.711	0.541	0.550
	WEST JKD	0.170	0.161	0.170	0.167	0.170	0.162	0.133	0.127
	HALDIBARI	0.240	0.302	0.340	0.387	0.660	0.420	0.588	0.614
PALKIMARA	0.060	0.052		0.031		0.0003			
Chirimiri	BARTUNGA HILL	0.380	0.272	0.270	0.216	0.250	0.163	0.159	0.132
	NCPH OLD	0.200	0.267	0.210	0.211	0.200	0.119	0.178	0.128
	NCPH NEW	0.450	0.364	0.360	0.260	0.300	0.095	0.192	0.174
	VIJAY WEST	0.025		0.415	0.252	0.500	0.435	0.445	0.427
	RANI ATARI	0.205	0.177	0.205	0.185	0.220	0.123	0.164	0.141
	NORTH CHIRIMIRI	0.050	0.086		0.086				
	KURASIA	0.350	0.350	0.360	0.360	0.400	0.330	0.316	0.351
Bisrampur	KUMDA 7&8	0.360	0.236	0.250	0.201	0.270	0.132	0.235	0.099
	BALRAMPUR	0.260	0.086	0.200	0.119	0.150	0.137		0.056
	KETKI	0.026		0.050					
	REHAR	0.310	0.251	0.275	0.207	0.310	0.254	0.272	0.168

	GAYATRI	0.250	0.219	0.275	0.227	0.300	0.297	0.271	0.208
Bhatgaon	BHATGAON	0.474	0.505	0.500	0.372	0.400	0.278	0.271	0.360
	MAHAMAYA	0.250	0.227	0.250	0.210	0.300	0.215	0.211	0.167
	NAWAPARA	0.320	0.176	0.200	0.105	0.180	0.123	0.155	0.113
	SHIWANI	0.345	0.237	0.300	0.240	0.300	0.241	0.273	0.226
	KALYANI	0.131	0.109	0.120	0.076		0.003		
Baikunthpur	CHURCHA RO	1.400	1.401	1.690	1.277	1.840	1.471	1.431	1.481
	KATKONA 1 & 2	0.135	0.126	0.135	0.135	0.140	0.110	0.222	0.157
	KATKONA 3 & 4	0.115	0.109	0.115	0.111	0.120	0.067	0.000	0.009
	PANDAVPARA	0.375	0.377	0.400	0.365	0.400	0.277	0.293	0.286
	JHILIMILI	0.400	0.430	0.410	0.377	0.430	0.308	0.289	0.290
Korba	RAJAMAR 4 & 5	0.200	0.114	0.250	0.109	0.110	0.075	0.098	0.077
	BANKI MAIN	0.150	0.155	0.140	0.132	0.140	0.137	0.000	0.038
	SURAKACHHAR 5 & 6	0.075	0.058	0.070	0.058	0.010	0.012	0.000	0.000
	SURAKACHHAR MAIN	0.175	0.159	0.175	0.150	0.150	0.124	0.151	0.097
	SURAKACHHAR 3 & 4	0.100	0.109	0.150	0.116	0.120	0.067	0.133	0.063
	BALGI	0.175	0.183	0.160	0.192	0.170	0.157	0.133	0.145
	DHELWADIH	0.210	0.173	0.210	0.211	0.210	0.197	0.190	0.159
	SINGHALI	0.325	0.325	0.325	0.339	0.350	0.364	0.296	0.340
	BAGDEVA	0.510	0.557	0.520	0.532	0.560	0.511	0.495	0.423
Raigarh	DHARAM	0.150	0.150	0.150	0.139	0.050	0.071		0.002
MCL									
Talcher	TALCHER	0.110	0.100	0.110	0.073	0.080	0.053	0.050	0.040
	NANDIRA	0.140	0.149	0.140	0.130	0.120	0.121	0.113	0.120
Orient	MINE NO 1&2	0.300	0.243	0.255	0.262	0.220	0.285	0.272	0.325
	MINE NO 3	0.420	0.305	0.300	0.133	0.150	0.057	0.054	0.056
	MINE NO 4	0.040	0.034	0.035	0.043	0.030	0.031	0.029	0.006
	HBI	0.540	0.445	0.460	0.470	0.400	0.467	0.434	0.397
NEC									
NEC	TIPONG		0.003		0.003		0.003033		0.002635

Annexure-II

Company-wise, Mine-wise list of fatalities in UG mine of CIL from 2015 to 2017 and current year 2018 (upto February)

Company	Accdt Date	Mine	Killed
BCCL	9/5/2015	SOUTH BALIHARI	1
BCCL	10/20/2015	PB PROJECT	1
ECL	1/29/2015	KHOTTADIH	1
ECL	3/19/2015	SHYAMSUNDARPUR	1
ECL	8/16/2015	KUMARDIH A UG MINE	1
ECL	11/12/2015	5&6 PIT, KHAS KAJORA	1
ECL	12/19/2015	SHANKARPUR COLLIERY	1
ECL	6/28/2015	KUMARDHUBI	1
SECL	1/30/2015	BAGDEWA UG MINE	1
SECL	3/24/2015	NCPH R6 MINE	1
SECL	5/15/2015	RAJNAGAR RO	1
SECL	6/19/2015	DAMINI UG MINE	1
SECL	11/26/2015	CHURCHA RO UG	1
WCL	6/21/2015	TAWA-2 MINE	1
WCL	6/21/2015	CHANDA RAYATWARI COLLIERY	1
WCL	8/6/2015	DURGAPUR RAYATWARI	1
WCL	12/3/2015	TANDSI UG MINE	1
BCCL	3/22/2016	BASTACOLLA	1
ECL	1/11/2016	BANKOLA COLLIERY	1
ECL	2/24/2016	MANDERBONI- SOUTHSAMLA	1
ECL	7/24/2016	AMRIT NAGAR COLLIERY	1
ECL	8/18/2016	KUNUSTORIA COLLIERY	1
ECL	10/26/2016	SHYAMSUNDARPUR	1
ECL	11/16/2016	S S INCLINE COLLIERY	1
MCL	10/19/2016	NANDIRA COLLIERY	1
SECL	3/27/2016	BANGWAR UG MINE	1
SECL	4/9/2016	PIPARIA MINE	2
SECL	4/26/2016	BAGDEWA UG MINE	1
SECL	4/19/2016	CHURCHA RO UG	1
SECL	11/26/2016	VINDHYA UG MINE	1
SECL	11/28/2016	PALI COLLIERY	1
WCL	3/12/2016	CHATTARPUR MINE NO. 1	1
WCL	7/16/2016	DHURGAPUR RAYATWARI	1
BCCL	9/21/2017	PHULARITAND	1
CCL	8/16/2017	SAYAL-D	2
ECL	7/3/2017	JHANJRA PROJECT	1
ECL	7/25/2017	KUARDI-TIRAT	1
ECL	8/6/2017	SHYAMSUNDARPUR	1
ECL	9/6/2017	BEJDIH COLLIERY	1
ECL	11/16/2017	NARSAMUNDA	1
SECL	2/1/2017	BAHERABANDH	3
SECL	3/18/2017	NAWAPARA UG	1
SECL	6/25/2017	DHELWADIH UG	1
SECL	7/6/2017	RANI ATARI UG	1
WCL	2/19/2017	TAWA – 1 MINE	1
WCL	2/20/2017	SARNI MINE	1
SECL	01/13/2018	VIJAY WEST	1
CIL			51

Annexure-III**Company –wise serious injuries in underground mines of CIL from 2015 to 2017 and current year 2018 (upto February)**

Company	Serious Injuries in UG mines
ECL	102
BCCL	13
CCL	8
WCL	40
SECL	64
MCL	5
CIL	232