GOVERNMENT OF INDIA MINISTRY OF COAL

LOK SABHA UNSTARRED QUESTION NO. 161 TO BE ANSWERED ON 02.02.2017

Accidents in Coal Mines

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Will the Minister of Coal be pleased to state:

- (a) the number of accidents occurred in the coal mines in the country including the recent accident in Eastern Coalfields Limited's Rajmahal Opencast Project, Jharkhand during each of the last three years and the current year, company and State-wise;
- (b) the number of workers died and injured in these accidents and compensation provided to them during the said period along with the outcome of the investigation conducted into these accidents, company and State-wise;
- (c) the funds allocated by the Government for the modernization of coal mines in the country during the said period, company-wise; and
- (d) whether the instructions issued for ensuring the safety in coal mines in the country are reviewed from time to time and if so, the details thereof along with the steps being taken to check the recurrence of such incidents in future?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) IN THE MINISTRY OF COAL, POWER, NEW AND RENEWABLEE ENERGY AND MINES (SHRI PIYUSH GOYAL)

(a) & (b) As per the information furnished by the office of Directorate General of Mines Safety (DGMS), the company-wise, State-wise and year-wise number of fatal accidents & fatalities and serious accidents & serious injuries during last 3 (three) years from 2014 to 2016 are furnished in <u>Annexure – I</u>.

Details of the amount of compensation paid to the next of kin of deceased employees in case of fatal accidents as per Employee's Compensation Act - 2010 in last three years, year-wise and company-wise in Coal India Limited (CIL) and NLC India Limited (NLCIL) is given in <u>Annexure-II and IIA</u>.

The details of the outcome of the investigations (persons responsible and cause of accident) are furnished in <u>Annexure III & IV</u>.

(c) Year wise Capital expenditure made by CIL for modernisation of coal mines under various heads like purchasing of HEMM, purchasing of other P&M items including underground mines, mine development and R&D are given below:

| YEAR | HEAD | (Rs. in crore) |
|---------|---|----------------|
| | HEMM | 1461.31 |
| | Other P&M items including UG mines, CHP etc | 820.08 |
| 2013-14 | Railway Siding | 50.16 |
| | Mine Development | 322.17 |
| | R&D | 11.55 |
| | HEMM | 1504.13 |
| | Other P&M items including UG mines, CHP etc | 1206.93 |
| 2014-15 | Railway Siding | 95.01 |
| | Mine Development | 247.06 |
| | R&D | 13.52 |
| | HEMM | 804.18 |
| | Other P&M items including UG mines, CHP etc | 1519.11 |
| 2015-16 | Railway Siding | 118.72 |
| | Mine Development | 252.16 |
| | R&D | 4.88 |

Further, in case of NLCIL the existing system of equipment i.e. Bucket Wheel Excavators, Spreader and conveyors used for Lignite Production and transportation of Lignite are already modernized. Details of the expenditure incurred for modernisation are furnished below.

| | | | In R | s. crore |
|----------|---|---------|---------|----------|
| S. No | Details | 2014-15 | 2015-16 | 2016-17 |
| 1 | Delineation of buried sub surface objects and hard band in opencast mines | 0.92 | 0.57 | 0.024 |
| 2 | Dynamic loading of conveyor drive heads in Mines | - | 0.20 | 0.68 |
| 3 | Providing Surveillance camera in Specialised Mining Equipment | - | 0.16 | 0.70 |
| | Total | 0.92 | 0.93 | 1.404 |

(d) The provisions of Mines Act, 1952, Subordinate Rules and Regulations made thereunder are being administered for ensuring the safety in coal mines by DGMS. Coalmine owners are responsible for implementing these provisions. These provisions are reviewed from time to time by DGMS taking inputs from experience of officials of DGMS, industry & academic institutions and the recommendations of the tripartite committees.

To check the recurrence of such incidents in future the following steps have been taken by the Government:

(i) Safety audit of all the coalmines has been taken up.

(ii) Strengthening of Internal Safety Organisations (ISO) in coalmines/coal companies.

(iii) To promote and propagate safety awareness in mines, National Safety Awards (Mines), National Conference on Safety in Mines is organized by DGMS. The recommendations of National Conference on Safety in Mines go a long way in enhancing safety of mine workers.

(iv) Workers participation and sensitization in matters of safety are ensured through training in safety and by initiatives like celebration of safety week and safety campaigns, etc.

(v) Safety training programmes are organized among Managers and Supervisors for improving safety standards in mines.

(vi) CIL has taken up a training programme with Safety in Mines Testing and Research Station (SIMTARS) of Govt of Queensland, Australia for training of trainers.

(vii) Facilitates introduction of Risk Assessment Techniques aimed at elimination of risks and to ensure safety of workmen.

(viii) Facilitates introduction of standard operating procedures to avoid unsafe practices in mines.

(ix) A special safety awareness campaign has been launched to increase awareness of mine workers. i.e., 'Safety is My Responsibility' and steps have been taken to propagate the same.

(x) Time to time, DGMS Circulars are issued as guidelines for safer operations in identified thrust areas.

(xi) Risk based inspection system through Shram Suvidha Portal has been implemented for coal mines and for metal mines is under progress.

(xii) Adoption of online safety monitoring systems, establishment of geo-technical cells, installation of gas chromatographs for monitoring and analysing underground mine gases, installation of proximity warning devices to avoid collision of heavy earth moving machinery, environmental tele-monitoring systems in all degree-III gassy mines, slope monitoring systems for overburden benches and OB dumps etc. are some of the other important steps taken by coal companies for improving safety of miners and mining operations in the coal mines.

Annexure - I

| | | | | Fatal | | Serio | us |
|----------------|----------|------|---------------------------|------------|--------|--------------------------------|--------|
| State | Company | Year | No. of Fatal Accidents | Fatalities | S/Inj. | No. of Serious Accidents | S/Inj. |
| Andhra Pradesh | SCCL | 2014 | 4 | 5 | 0 | 99 | 100 |
| | | 2015 | 4 | 4 | 0 | 185 | 185 |
| | | 2016 | 10 | 12 | 1 | 169 | 170 |
| | | 2017 | 0 | 0 | 0 | 2 | 2 |
| Assam | NEC | 2014 | 0 | 0 | 0 | 1 | 1 |
| Chhattisgarh | SECL | 2014 | 7 | 7 | 1 | 27 | 27 |
| | | 2015 | 8 | 8 | 2 | 9 | 9 |
| | | 2016 | 2 | 2 | 0 | 7 | 7 |
| | PIL | 2014 | 1 | 1 | 0 | 0 | 0 |
| | MIL | 2014 | 0 | 0 | 0 | 2 | 2 |
| | JPL | 2014 | 0 | 0 | 0 | 1 | 1 |
| | HINDALCO | 2015 | 0 | 0 | 0 | 1 | 1 |
| Gujarat | GMDC | 2015 | 3 | 3 | 1 | 0 | 0 |
| - | | 2016 | 0 | 0 | 0 | 1 | 3 |
| Jharkhand | BCCL | 2014 | 8 | 8 | 0 | 21 | 22 |
| | | 2015 | 7 | 7 | 1 | 10 | 12 |
| | | 2016 | 12 | 12 | 0 | 5 | 5 |
| | CCL | 2014 | 4 | 4 | 0 | 4 | 4 |
| | | 2015 | 3 | 3 | 0 | 9 | 9 |
| | | 2016 | 7 | 7 | 0 | 7 | 7 |
| | ECL | 2014 | 2 | 2 | 0 | 2 | 2 |
| | | 2015 | 1 | 1 | 0 | 1 | 1 |
| | | 2016 | 2 | 19 | 0 | 0 | 0 |
| | IISCO | 2016 | 1 | 1 | 0 | 0 | 0 |
| | TISCO | 2014 | 1 | 1 | 0 | 4 | 4 |
| | | 2015 | 0 | 0 | 0 | 3 | 3 |
| | | 2016 | 2 | 2 | 2 | 1 | 1 |
| | ELCALTD | 2016 | 0 | 0 | 0 | 1 | 1 |
| Madhya Pradesh | NCL | 2014 | 3 | 3 | 0 | 4 | 4 |
| | | 2015 | 1 | 1 | 0 | 12 | 13 |
| | | 2016 | 3 | 3 | 0 | 9 | 9 |
| | SECL | 2014 | 4 | 5 | 0 | 7 | 7 |
| | | 2015 | 2 | 2 | 0 | 5 | 6 |
| | | 2016 | 8 | 9 | 1 | 6 | 6 |
| | WCL | 2014 | 1 | 1 | 1 | 7 | 7 |
| | | 2015 | 2 | 2 | 0 | 4 | 4 |
| | | 2016 | 1 | 1 | 0 | 3 | 3 |
| | SASAN | 2015 | 1 | 2 | 1 | 0 | 0 |
| | | 2016 | 1 | 1 | 0 | 0 | 0 |
| | PRISM | 2015 | 1 | 1 | 1 | 0 | 0 |

Number of accidents in coal mines in the country during 2014 – 2017

| | | | | Fatal | | Seriou | 15 |
|---------------|---------|------|---------------------------|------------|--------|--------------------------------|--------|
| State | Company | Year | No. of Fatal Accidents | Fatalities | S/Inj. | No. of Serious Accidents | S/Inj. |
| | JPASSOC | 2016 | 0 | 0 | 0 | 2 | 2 |
| Maharashtra | WCL | 2014 | 8 | 9 | 0 | 24 | 25 |
| | | 2015 | 5 | 5 | 3 | 13 | 13 |
| | | 2016 | 5 | 5 | 0 | 13 | 13 |
| Orissa | MCL | 2014 | 1 | 1 | 0 | 11 | 11 |
| | | 2015 | 2 | 2 | 0 | 4 | 4 |
| | | 2016 | 1 | 1 | 0 | 4 | 4 |
| Rajasthan | VSLPL | 2015 | 1 | 1 | 0 | 0 | 0 |
| | BLMCL | 2014 | 2 | 2 | 0 | 0 | 0 |
| Telangana | SCCL | 2014 | 4 | 4 | 1 | 123 | 132 |
| | | 2015 | 3 | 3 | 0 | 2 | 2 |
| | | 2016 | 2 | 2 | 0 | 4 | 4 |
| Tamil Nadu | NLC | 2014 | 2 | 2 | 0 | 2 | 2 |
| | | 2015 | 1 | 1 | 0 | 3 | 3 |
| | | 2016 | 2 | 2 | 0 | 0 | 0 |
| Uttar Pradesh | NCL | 2014 | 4 | 4 | 0 | 0 | 0 |
| | | 2016 | 1 | 1 | 2 | 0 | 0 |
| West Bengal | ECL | 2014 | 3 | 3 | 0 | 40 | 40 |
| - | | 2015 | 7 | 7 | 0 | 20 | 21 |
| | | 2016 | 9 | 10 | 0 | 18 | 18 |
| | IISCO | 2016 | 0 | 0 | 0 | 1 | 1 |
| | SOVA | 2015 | 1 | 1 | 0 | 0 | 0 |

Note : Data for the year 2016 & 2017 are provisional. Data upto 20.01.2017.

Annexure –II

Details of the amount of compensation paid to the next of kin of deceased employees in case of fatal accidents as per ECA- 2010 Year -2014

| SI No | -2014 Victim's Name & Designation | Accident Date | Mine | Compensation in Rs |
|--------|---|--------------------------|---|--------------------|
| | ECL | | | |
| 2 | Ibrahim Ansari, Dresser Nemai Chandra Sutradhar, Mining Sirder | 17/01/2014 21/01/2014 | Kumardhubi Kendra Colliery | 657280 469640 |
| 3 | P.Pratap Kr Sharma, Cont.CM Operator | 08/03/2014 | Shyamsundarpur | 704660 |
| 4 | Bharat Prasad Singh, Sr Mechanic | 21/05/2014 | Chitra B OCP | 570720 |
| 5 | Prabodh Kr Bhattacharjee, Face Worker | 24/06/2014 | Bhanora West Block | Under Process |
| 5 | BCCL | 24/00/2014 | Bhanora West Diock | |
| 1 | Jamuna Rajak, Cont. Blasting Mazdoor | 22/05/2014 | Jamunia OCP | 967400 |
| 2 | MadanLalPassi, Dumper Operator | 14/06/2014 | Dhansar OCP | 788240 |
| 3 | Hare Ram Yadav, Sand Stowing Crewman | 24/06/2014 | Gopalichuck | 702160 |
| 4 | Manohar Kahar, Surface trammer | 01/07/2014 | Bastacolla | 498800 |
| 5 | Barun Kr Chaudhary, Foreman-Incharge | 28/08/2014 | Block IV OCP | 513320 |
| 6 | Dilip Kumar, EP Fitter | 23/09/2014 | Muraidih OCP | 665000 |
| 7 | Mangar Bhuia, General Mazdoor | 21/10/2014 | Maheshpur Colliery | 768650 |
| 8 | D Nonia, Cont. Operator | 21/11/2014 | Basantimata | |
| | CCL | 07/00/00// | | |
| 1 | Mahesh Chauhan, Cont Payloader Operator | 07/08/2014 | Piparwar OCP | 500000 |
| 2 | Kaila Ganjhu, Conveyor Operator | 17/10/2014 | Raybachra | 695080 |
| 3 | Kishun Singh, Dozer Operator | 19/11/2014 | Govindpur Phase II OCP | Under Process |
| 4 | NCL | 04/00/0044 | | 000000 |
| 1 | Varun Kumar, Cont. Payloader Operator | 04/02/2014 | Jayant Project | 823920 |
| 2 | Brihaspati Vishwakarma, Cont. Driver | 28/02/2014 | Nigahi Project | 200000 |
| 3 4 | Lokh Ram. Dumper Operator | 07/06/2014 | Krishnashila Project | 657280 861120 |
| | Raju Gupta, Cont. Tipper Driver | | Krishnashila Project | |
| 5 | S A Okil, Sr Dumper Operator | 11/11/2014 | Bina Project | 513320 |
| 6 7 | N C Muneyya,Cont. Driver Mahendra Saket, Tipper Operator | 09/12/2014 15/02/2014 | Amlohri Project Khadia Project | 725480 |
| , | WCL | 10/02/2011 | | |
| 1 | Venkatesh Sellammuttu | 15/01/2014 | Durgapur OC | 900800 |
| 2 | Rajendra Jairam Randive, Trainee SDL-LHD | 08/02/2014 | Gauri Expansion | 702180 |
| 3 | Ramesh Rudhaji Nikhade, Dumper Operator | 09/04/2014 | Durgapur OC | 556520 |
| 4 | Raju N Korekar, EPG Helper | 27/05/2014 | HinustanLalpeth OC | 612360 |
| 5 | Ashok Bhurewal, Cont Worker | 17/07/2014 | Makardhokda OC Mine | Under Process |
| 6 7 | Pramod Nagrare, EP Fitter R V Yadav, Grader Operator | 17/07/2014 16/08/2014 | Makardhokda OC Mine NavinKunda OC(A) | 625880 570720 |
| 8 | Hiralal, General Mazdoor | 10/10/2014 | Shobhapur | 598680 |
| 9 | Brijlal Patel, Mechanic, Cont Worker | 13/10/2014 | Gondegaon OC | 839680 |
| | SECL | | | |
| 1 | Ramlal, Explosive Carrier | 29/01/2014 | Bartarai Colliery | 747600 |
| 2 | Ram Kr Dewangan, EP Fitter | 03/02/2014 | Gevra OC | 665160 |
| 3 | Mohan Nayak, Cont. Worker | 11/02/2014 | Dipka(NO. 1A) OCM | 670750 |
| 4 | Chandrika, Electrical helper | 11/04/2014 | West Chirimiri Colliery | 527800 |
| 5 | Ferai, Driller Cat V | 28/05/2014 | Palkimara UG Mine | 584800 |
| 6 | Hetram, Loader working as dresser | 10/06/2014 | Damini UG Mine | 540000 |
| 7 | Hari Singh, Support Mistry | 16/06/2014 | Jamuna 9 & 10 | 556520 |
| 8 | Khajanti Gupta, EPGH | 01/07/2014 | Dhanpuri OC | 639200 |
| 9 | Ramashankar vishwa, Cont Worker | 01/07/2014 | Dhanpuri OC | 576748 |

| SI No | Victim's Name & Designation | Accident Date | Mine | Compensation in Rs |
|--------|---|--------------------------|--|---------------------------------------|
| 10 | Deolal, Dresser | 06/08/2014 | Mahamaya UG Mine | 498800 |
| 11 | Fulsai, Cat- IV Dresser | 08/12/2014 | Churcha MNE RO | Under Process |
| 12 | Shyambar, Dresser | 25/12/2014 | Rehar UG | Under Process |
| 12 | | 23/12/2014 | | |
| | MCL | | | |
| 1 | Subrat Sahoo, Cont. Driver | 26/10/2014 | Ananta OC | |
| 2015 | 5 | • | | |
| SN | Victim's Name & Designation | Acc Date | Mine | Compensation in Rs |
| | ECL | 00.04.0045 | | |
| 1 | Naresh Bouri, Cont. Worker | 29.01.2015 | Khottadih UG | 736360 |
| 2 | Nanku Bhuia, Contractor Worker Rajib Turi, Cont' Dumper Operator | 19.03.2015 10.05.2015 | Shyamsundarpur Colliery Bonjemehari OCP | 831920 250000 |
| 4 | Dhananjoy Kumar Rai, UG Face Worker | 28.06.2015 | Kumardhubi Colliery | Under Process |
| 5 | Alam Mallah, Line Mistry | 16.08.2015 | Kumardihi 'A' Colliery | Under Process |
| 6 | Ramadhar Bhar, Spary Mazdoor | 12.11.2015 | Khas Kajora Colliery | 652280 |
| 7 | Chandra Nahak, General Mazdoor | 19.12.2015 | Shankarpur Colliery | 498800 |
| | BCCL | | · · · · · · | |
| 1 | Ganga Prasad Sonar, Electrical Helper | 31.01.2015 | New Akaskinaree Colliery | 811640 |
| 2 | Manoranjan Pradhan, Cont. Operator | 01.03.2015 | Dahibari Basantimata OCP | 500000 |
| 3 | Satnarayan Bouri, Shovel Operator | 05.08.2015 | Rajapur OCP | 639200 |
| 4 | Dashrath Pandit, Line Mistri | 05.09.2015 | South Balihari | Under Process (Alleged suicidal case) |
| 5 | Anjan Kumar Teli, Pump Khalashi | 20.10.2015 | P B Project | 626000 |
| 6 | Somar Mahato, General Mazdoor | 23.10.2015 | Jeenagora OCP | 513320 |
| 7 | Dilip Saw, Contractor Operator | 05.12.2015 | AKWMC | 520000 |
| 1 | Puna Raja, EP Helper | 01.01.2015 | Giddi-A | 758240 |
| 2 | Madhu, Dozer Operator | 05.01.2015 | Kargali OCP | Not entitled |
| 1 | NCL | 19.12.2015 | Amlahri Draigat | 815400 |
| - 1 | Prayag Lal Shaw, Contractor Welder WCL | 19.12.2015 | Amlohri Project | 010400 |
| 4 | | 04.04.0045 | Duran David Callian | 007004 |
| 1 | Nathu Lattari Pal, Haulage Driver | 24.01.2015 | Durgapur Rayatwari Colliery | 667824 |
| 2 | Shankar Shivram Aglaw, EP Auto Electrician | 23.02.2015 | Gouri Expansion OCP | 589800 |
| 3 | Jaykumar M Khandar, Foreman | 03.04.2015 | Gouri Expansion | 603680 |
| 4 | Krishna Rao, LHD Operator | 21.06.2015 | Tawa-2 Mine | 584800 |
| 5 | Sarnath Bapuji Dhoble, Subordinate Engineer | 21.06.2015 | Chanda Rayatwari Colliery | 633360 |
| 6 | Sitaram Vithoba Nikumbe, Cableman | 06.08.2015 | Durgapur Rayatwari Colliery | 598560 |
| 7 | Vinod Moreshwar Titre, Contractor Tipper Driver | 29.08.2015 | Kolarpimpri | 752100 |
| 8 | Kesnath Mehangee, Clipman | 03.12.2015 | Tandsi UG Mine | 556520 |
| | SECL | 1 | | |
| 1 | Uday Lal Gabhel, Mech. Fitter, Cat-V | 30.01.2015 | Bagdewa UG Mine | 665160 |
| 2 | Bipro, Support Mistry | 24.03.2015 | NCPH R-6 Mine | 498800 |
| 3 | Vijay Kumar, Dumper Operator | 07.04.2015 | Chirimiri OCM | 513320 |
| 4 | Sunder Hembram, Contractor Worker | 23.04.2015 | Amgaon OCP | 896000 |
| 5 6 | Deolal, Support Mistry Gopal Singh, S. B. A | 15.05.2015 13.06.2015 | Rajnagar RO Kumda 7/8 Inclines | 561520 508320 |
| 0 7 | Dinesh Kumar Mishra, Sr. Overman | 15.06.2015 | Kumda 7/8 inclines Kusmunda OCP | 690080 |
| 8 | Horilal Kewat, Blasting Crewman | 19.06.2015 | Damini UG Mine | 788240 |
| 9 | Uday Raj Singh Baghel, Cont. Payloader Operator | 26.08.2015 | Kusmunda OCP | 665100 |
| 10 | Sukesh Kumar Singh, Contractor Worker | 26.11.2015 | Churcha RO UG Mine | 831920 |
| 1 | Golekha Bihari Pradhan, Cont. Driver | 02.01.2015 | Bhubaneswari OCP | 665160 |
| 2 | Somraj Sahu, Contractor Worker | 29.09.2015 | Samleshwari OCP | 500000 |
| 3 | Balram Bauri, Contractor Helper | 22.11.2015 | Bharatpur OCP | 100000 |

| SI No | Victim's Name & Designation | Accident Date | Name of Mine | Compensation (in Rs) |
|-------|--|---------------|------------------------|-----------------------|
| | ECL | | | |
| 1 | Juria Nahak,Cableman | 11.01.2016 | Bankola Colliery | 598680 |
| 2 | Rambalak Gope, Surface Trammer | 24.02.2016 | Manderboni-Southsamla | 652280 |
| 3 | Mohan Kumar Sen, Cont. Worker | 26.03.2016 | North Searsole | 1400000 |
| 4 | Mohanlal Keshari, Fan Khalasi | 18.06.2016 | Chora 7&9 Pit Colliery | 598680 |
| 5 | Kushna Chandra Nahak, Tyndal | 24.07.2016 | Amrit Nagar Colliery | Under process |
| 6 | Sukumar Bauri,Cat1 Mazdoor | 18.08.2016 | Kunustoria Colliery | Under process |
| 7 | Bhagirath Mondal, Mechanical Fitter | 26.10.2016 | Shyamsundarpur | Under process |
| 8 | Manilal Tudu, UG Loader | 16.11.2016 | S S Incline Colliery | Under process |
| 9 | Hari Kishore Yadav, Cont. Operator | 29.12.2016 | Rajmahal OCP | 861120 |
| 10 | Javed Akhtar, Cont. Operator | 29.12.2016 | Rajmahal OCP | 896000 |
| 11 | Rajendra Yadav, Cont. Operator | 29.12.2016 | Rajmahal OCP | 847160 |
| 12 | Brijesh Yadav, Cont.Operator | 29.12.2016 | Rajmahal OCP | 879800 |
| 13 | Sanjay Kr. Sahi, Cont. Driver | 29.12.2016 | Rajmahal OCP | 778560 |
| 14 | Md. Nurul, Cont. Driver | 29.12.2016 | Rajmahal OCP | 861120 |
| 15 | Jai Prakash Rai, Cont. Driver | 29.12.2016 | Rajmahal OCP | 758240 |
| 16 | Nageshwar Paswan, Cont. Driver | 29.12.2016 | Rajmahal OCP | 839680 |
| 17 | Ajit Patel, Cont. Operator | 29.12.2016 | Rajmahal OCP | 854280 |
| 18 | Sakil Khan, Cont. Driver | 29.12.2016 | Rajmahal OCP | 861120 |
| 19 | Vikash Patel, Cont. Driver | 29.12.2016 | Rajmahal OCP | 839680 |
| 20 | Sunil Vhengra, Cont. Driver | 29.12.2016 | Rajmahal OCP | 839680 |
| 21 | Ajay Kumar Kushwaha, Cont. Operator | 29.12.2016 | Rajmahal OCP | 896000 |
| | | 20.12.2010 | | |
| 22 | Md. Julfkar, Cont. Driver | 29.12.2016 | Rajmahal OCP | 867640 |
| 23 | Md. Jamir, Cont. Driver | 29.12.2016 | Rajmahal OCP | 847160 |
| 24 | Raj Kamal Goswami, Cont. Driver | 29.12.2016 | Rajmahal OCP | 867640 |
| 25 | Sanjit Viswakarma, Cont. Driver | 29.12.2016 | Rajmahal OCP | 867640 |
| 26 | Laddu Yadav, Cont.Operator | 29.12.2016 | Rajmahal OCP | 831920 |
| | BCCL | | | |
| 1 | Chandradeo Nonia, Dozer Operator | 22.02.2016 | Salanpur Colliery | 665160 |
| 2 | Bhola Nonia, Dozer Operator, Trainee | 29.02.2016 | AKWMC | 702160 |
| 3 | OM Prakash Kewat, Sr. Overman | 22.03.2016 | Bastacolla Colliery | 702160 |
| 4 | Mohan Rawani, Cont.Worker | 22.04.2016 | Block-II OCP | 800000 |
| 5 | Rama Nand Jaiswara, Mazdoor | 25.05.2016 | NT-ST Jeenagora OCP | 570720 |
| 6 | A Diwakar, Cont. Worker | 05.08.2016 | Dobari OCP | 800000 |
| | CCL | | | |
| 1 | Awdhesh Upadhayay, Dumper Operator | 09.04.2016 | Amlo Project | 484200 |
| 2 | Chandra Shekhar Singh, Private Security Guard | 01.06.2016 | Gidi "A" Project | Under process |
| 3 | Santosh Kumar, Cont. Driver | 30.08.2016 | AKK OCP | 800000 |
| 4 | Md. Yusuf, Grader Operator | 05.09.2016 | Ashok OCP | 634200 |
| | NCL | | | |
| 1 | CH. Yaswant Rao, Cont. Supervisor | 23.01.2016 | Nigahi Project | 778560 |
| 2 | Munilal Kushwaha, Dumper Operator | 18.03.2016 | Nigahi Project | 584800 |
| 3 | Md. Firoj Ansari,Cont.Worker | 02.06.2016 | Khadia OC Mine | 867640 |
| 4 | R. Laxamana, Cont. Operator | 10.09.2016 | Block-B Project | 879800 |
| | WCL | - | , | |
| 1 | Wasudeo Kubde, Cont. Worker | 14.02.2016 | Sasti OCP | 547240 |
| 2 | Prakash Bihare, Explosive Carrier | 12.03.2016 | Chattarpur Mine No. 1 | 736680 |
| 3 | Nirmal Shukla, Cont. Driver | 06.04.2016 | Kolarprimpri OCP | 778560 |
| 4 | Sarif Ahemad Nizamuddin, Blasting Crew | 18.04.2016 | Silewara UG Mine | 699200 |
| - | | 10.07.2010 | | 000200 |

| 5 | Anandrao Namdeo Dadma, SDL Helper | 16.07.2016 | Durgapur Rayatwari Colliery | 498800 |
|---|---|------------|-----------------------------|---------------|
| | SECL | | | |
| 1 | Mohammad Kasim, Support Mistry | 27.03.2016 | Bangwar UG Mine | 561520 |
| 2 | Mukesh Tripathi, Overman | 09.04.2016 | Piparia | 793240 |
| 3 | Dayaram, Cableman | 09.04.2016 | Piparia | 561520 |
| 4 | Jai Singh, Driller, Cat-V | 26.04.2016 | Bagdewa UG Mine | 542240 |
| 5 | Jaimangal, Dresser, Cat-V | 19.04.2016 | Churcha RO UG Mine | 741680 |
| 6 | Ram Kripal, Overman | 17.06.2016 | Kanchan OC | 513320 |
| 7 | Shiv Kumar Sahu, Driller | 26.11.2016 | Vindhya UG Mine | 612360 |
| 8 | Brijesh Pratap Singh, Mining Sirdar | 28.11.2016 | Pali Colliery | 513320 |
| 9 | Ram Bahor Pandey, Subordinate Engineer | 27.12.2016 | Amlai OCM | Under process |
| | MCL | | | |
| 1 | Ramesh Chandra Sahoo, Driller | 19.10.2016 | Nandira Colliery | 556520 |
| 2 | Gautam Kumar Singh, Cont. Driver | 02.12.2016 | Bharatpur OCP | 873880 |

Note:

• Eighteen cheques of above mentioned amount against fatalities at Rajmahal, during 2016, have been submitted to Labour Court, Deoghar for payment. In addition, Special relief of Rs. 7.00Lakh will be paid to next of kin of eighteen deceased.

- Apart from the amount under the Employees Compensation Act, 2010, the following additional amount and employment to the kin of the deceased employees of the coal companies is also provided:
- 1. Rs. 5 lakhs is paid to the dependent of deceased departmental employee as a special relief / ex-gratia.
- 2. Immediate payment of lump sum amount (generally Rs 20,000) to the family of deceased for funeral, transport expenses etc.
- 3. Monetary benefits under Life Cover Scheme (LCS) of Rs 1,12,800/ w.e.f. 1.2.2012 as per NCWA-IX.
- 4. Ex-gratia amount of Rs 84,600/ in case of death or permanent total disability resulting on account of accident arising out of and in course of employment w.e.f 1.2.2012 as per NCWA-IX.
- 5. Gratuity on the basis of the length of service (maximum ceiling Rs 10, 00,000)
- 6. Other benefits like P.F as per CMPF rule, Pension as per CMPS, 1998, Encashment of EL etc. as company (CIL) rules.
- 7. Employment is offered to the dependent of deceased departmental employee. In case there is no eligible person for employment, monetary compensation per month is paid to the family of the deceased in lieu of employment.

Annexure IIA

| Sl. No | Year | No. of persons died | Name of Mines | Name of victim, Age in years Shri | Compensation paid Rs. In lakhs |
|-----------|-------|---------------------------|------------------|--------------------------------------|-----------------------------------|
| 1 | 2014 | 1 | Mine-IA | K.V.Gurusubramanian, 51 | 12.89 |
| 2 | 2014 | 1 | Mine-IA | P. Sivakumar, 47 | 9.50 |
| | Total | 2 | | Total for the year 2014 | 22.39 |
| 3 | 2015 | 1 | Mine-IA | K. Vetrivel Murugan, 27 | 11.54 |
| | Total | 1 | | Total for the year 2015 | 11.54 |
| 4 | 2016 | 1 | Mine-II | M. Kumar, 46 | 9.77 |
| 5 | 2016 | 1 | Mine-II | T. Kumaravel, 52 | 14.84 |
| | Total | 2 | | Total for the year 2016 | 24.61 |

Year wise Compensation paid for fatalities in NLCIL

Annexure III

Outcome of the investigations of accidents – Persons responsible

in coal mines during 2014 to 2017

| Person Responsible as per the Enquiry conducted by DGMS | No. of cases |
|---|--------------|
| Coworker | 12 |
| Coworker & Deceased | 8 |
| Deceased | 18 |
| Management | 18 |
| Management & Contractor's Worker | 1 |
| Management & Coworker | 13 |
| Management & Deceased | 3 |
| Management & Shotfirer | 1 |
| Management & Sub. Sup. Staff(SSS) | 35 |
| Management, Coworker & Deceased | 2 |
| Management, SSS & Coworker | 9 |
| Management, SSS & Deceased | 6 |
| Management, SSS & Shotfirer | 1 |
| Management,SSS & Coworker | 1 |
| Management,SSS,Coworker,Deceased | 3 |
| Misadventure | 4 |
| Others | 26 |
| Sub. Sup. Staff & Coworker | 2 |
| Sub. Sup. Staff & Deceased | 4 |
| Sub.Sup.Staff, Coworker & Deceased | 4 |
| Subordinate Supervisory Staff(SSS) | 10 |

Note : Data for the year 2016 & 2017 are provisional. Data upto 20.01.2017.

Annexure IV

Outcome of the investigations of accidents – indicating cause of accident in coal mines during 2014-17

| Cause of accident as revealed during the enquiry by the | No. of cases |
|---|--------------|
| Aerial Ropeway | 1 |
| Buried in Sands, etc. | 3 |
| Conveyors | 2 |
| Drilling Machines | 1 |
| Drowning in Water | 5 |
| Dumpers | 42 |
| Energized Machines | 1 |
| Explosion/Ignition of Gas/Dust etc. | 1 |
| Fall of Objects incl. Rolling Objects | 7 |
| Fall of Overhangs | 3 |
| Fall of Person from Height/into Depth | 12 |
| Fall of Persons on the Same Level | 1 |
| Fall of Roof | 22 |
| Fall of Sides (Other than Overhangs) | 9 |
| Falls of Persons from Cages, Skip etc. | 1 |
| Irruption of Water | 1 |
| Landslide | 2 |
| Loading Machines | 15 |
| Occurrence of Gas | 1 |
| Other Accidents due to Dust/Gas/Fire | 2 |
| Other Combustible Material | 1 |
| Other Electrical Accidents | 1 |
| Other Heavy Earth Moving Machinery | 11 |
| Other Non-Transportation Machinery | 3 |
| Overhead Lines | 5 |
| Rope Haulage | 7 |
| Secondary Blasting Projectiles | 1 |
| Shovel, Draglines, Frontend Loader, etc. | 3 |
| Solid Blasting Projectiles | 1 |
| Switch Gears, Gate End Boxes, Pommel, etc. | 1 |
| Unclassified | 5 |
| Wheeled Trackless(Truck,Tanker,etc.) | 10 |
| | |

Note : Data for the year 2016 & 2017 are provisional. Data upto 20.01.2017.