

**AGENDA PAPERS FOR 39TH MEETING OF
THE STANDING COMMITTEE ON
SAFETY IN COAL MINES**

**On
13th MARCH, 2015 At 11.00 am**

AT

NEW DELHI



सत्यमेव जयते

**GOVERNMENT OF INDIA
MINISTRY OF COAL**

**39th MEETING OF THE STANDING COMMITTEE ON
SAFETY IN COAL MINES**

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GENDA ITEM NO. I

In Memoriam

In memory of all those who laid down their lives in furtherance of coal mining in the country since last meeting of the Committee.

MARTYRS OF COAL INDIA AND OTHER COAL COMPANIES:

STANDING COMMITTEE ON SAFETY IN COAL MINES DEEPLY MOURNS ON THE SAD DEMISE OF THE FOLLOWING BELOVED WORKERS AND PAY HOMAGE TO ALL THOSE WHO SACRIFICED THEIR PRECIOUS LIVES FOR THE CAUSE OF THE NATION FOR THE PERIOD BETWEEN 38TH & 39TH MEETING (UP TO 28.1.2014 - 31.12.2014) OF STANDING COMMITTEE ON SAFETY IN COAL MINES

Sl No	Victim's Name & Designation	Accident Date	Mine	Compensation in Rs	Special Relief (5 lakh)	Employment Provided
ECL						
1	P.Pratap Kr Sharma, Cont. CM Operator	08/03/2014	Shyamsundarpur Colliery	704660	Not entitled	Not entitled
2	Bharat Prasad Singh, Sr Mechanic	21/05/2014	Chitra B OCP	570720	Paid	Provided
3	Prabodh Kr Bhattacharjee, Face Worker	24/06/2014	Bhanora West Block	Under Process	Paid	Provided
BCCL						
1	Jamuna Rajak, Cont. Blasting Mazdoor	22/05/2014	Jamunia OCP	967400	Not entitled	Provided
2	Madan Lal Passi, Dumper Operator	14/06/2014	Viswakarma(Dhansar)OCP	788240	Paid	Provided
3	Hare Ram Yadav, Sand Stowing Crewman	24/06/2014	Gopalichuck Colliery	702160	Paid	Provided
4	Manohar Kahar, Surface trammer	01/07/2014	Bastacolla	Under Process	Under Process	Provided
5	Barun Kr Chaudhary, Foreman Incharge	28/08/2014	Block IV OCP	513320	Paid	Provided
6	Dilip Kumar, EP Fitter	23/09/2014	Muraidih OCP	665000	Paid	Provided
7	Mangar Bhuia, General Mazdoor	21/10/2014	Maheshpur Colliery	Under Process	Paid	Under Process
CCL						
1	Rajkumar Paswan, Fan Khalasi	18/04/2014	Bharkunda UG(Hathidari Incline)	Under Process	Not entitled	Provided
2	Jugeshwar Ram. Tyndel	20/07/2014	Sayal D UG	Under Process	Not entitled	Provided
CCL						
3	Mahesh Chauhan, Cont Payloader Operator	07/08/2014	Piparwar OCP	500000	Not entitled	Not entitled
4	Kaila Ganjhu, Conveyor Operator	17/10/2014	Raybachra	695080	Under Process	Provided
5	Kishun Singh, Dozer Operator	19/11/2014	Govindpur Phase II OCP	Under Process	Paid	Provided
NCL						
1	Varun Kumar, Cont Payloader	04/02/2014	Jayant Project	823920	Not entitled	Not

Sl No	Victim's Name & Designation	Accident Date	Mine	Compensation in Rs	Special Relief (5 lakh)	Employment Provided
	Operator					entitled
2	Brihaspati Vishwakarma, Cont. Driver	28/02/2014	Nigahi Project	Under Process	Not entitled	Not entitled
3	Lokh Ram, Dumper Operator	07/06/2014	Krishnashila Project	657280	Paid	Provided
4	Raju Gupta, Cont. Tipper Driver	11/10/2014	Krishnashila Project	861120	Not entitled	Not entitled
5	S A Okil, Sr Dumper Operator	11/11/2014	Bina Project	513320	Paid	Nomination awaited
WCL						
1	Rajendra Jairam Randive, Trainee SDL- LHD	08/02/2014	Gauri Expansion	702180	Paid	Provided
2	Ramesh Rudhaji Nikhade, Dumper Operator	09/04/2014	Durgapur OC	556520	Paid	Provided
3	Raju N Korekar, EPG Helper	27/05/2014	Hinustan Lalpeth OC	612360	Paid	Provided
4	Maruti Bodhe, Cont Worker	11/07/2014	Ghugus OC	820400	Not entitled	Not entitled
5	Ashok Bhurewal, Cont Worker	17/07/2014	Makardhokda OC Mine	Under Process	Not entitled	Not entitled
6	Pramod Nagrare, EP Fitter	17/07/2014	Makardhokda OC Mine	625880	Paid	Provided
7	R V Yadav, Grader Operator	16/08/2014	Navin Kunda OC(A)	570720	Paid	Provided
8	Hiralal, General Mazdoor	10/10/2014	Shobhapur	598680	Paid	Provided
9	Brijlal Patel, Mechanic, Cont Worker	13/10/2014	Gondegaon OC	839680	Not entitled	Not entitled
SECL						
1	Ramlal, Explosive Carrier	29/01/2014	Bartarai Colliery	747600	Paid	Yes
2	Ram Kr Dewangan, EP Fitter	03/02/2014	Gevra OC	665160	Paid	Under Process
3	Mohan Nayak, Cont. Worker	11/02/2014	Dipka(NO. 1A) OCM	670750	Not entitled	Not entitled
4	Chandrika, Electrical helper	11/04/2014	West Chirimiri Colliery	527800	Paid	Under Process
5	Ferai, Driller Cat V	28/05/2014	Palkimara UG Mine	584800	Paid	Under Process
6	Hetram, Loader working as dresser	10/06/2014	Damini UG Mine	540000	Paid	Under Process
7	Hari Singh, Support Mistry	16/06/2014	Jamuna 9 & 10	556520	Paid	Under Process
8	Khajanti Gupta, FPGH	01/07/2014	Dhanpuri OC	639200	Paid	Under Process
9	Ramashankar vishwa, Cont Worker	01/07/2014	Dhanpuri OC	576748	Not entitled	Not entitled
10	Deolal, Dresser	06/08/2014	Mahamaya UG Mine	498800	Paid	Under Process
11	Fulsai, Cat- IV Dresser	08/12/2014	Churcha MNE RO	Under Process	Under Process	Under Process
12	Shyambar, Dresser	25/12/2014	Rehar UG	Under Process	Under Process	Under Process
Total Fatalities= 41						

AGENDA ITEM NO. II

Confirmation of the minutes of 38th meeting of Standing Committee on Safety in Coal Mines held on 28.1.2014 at New Delhi.

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II: Confirmation of the minutes of 37th meeting

**No. 22022/01/2013-CRC-II(Vol-I)
Government of India
Ministry of Coal**

New Delhi, 24.03. 2014

OFFICE MEMORANDUM

Subject : Minutes of the 38th meeting of Standing Committee on Safety in Coal Mines held on 28.1.2014 at New Delhi.

Sir,

Undersigned is directed to forward a copy of Minutes of the 38th meeting of the Standing Committee on Safety in Coal Mines held on 28.1.2014 under the Chairmanship of Hon'ble Minister of Coal in New Delhi for information /necessary action. Copy of the above minutes has also been put on the website of this Ministry i.e. <http://coal.nic.in>.

Yours faithfully,

Encl. As above.

(A.K. Mandal)
Under Secretary to Govt. of India

To:

All the members of the Standing Committee on Safety in Coal Mines (As per distribution list):

1. Secretary, Ministry of Labour & Employment, Shram Shakti Bhawan, New Delhi.
2. Smt. Vandana Sharma, Deputy Secretary, Ministry of Labour & Employment, Shram Shakti Bhawan, New Delhi.
3. The Director General of Mines Safety, Directorate General of Mines Safety, Dhanbad (Jharkhand)
4. The Chairman, Coal India Ltd., 10-Netaji Subhas Road, Kolkata.
5. The Chairman/Managing Director, Neyveli Lignite Corpn, P.O.Neyveli, Tamilnadu.
6. The Chairman/Managing Director, Singareni Collieries Company Ltd., Kothagudem Collieries, Khamam Dist.. (A.P.)-507107
7. The Chairman/Managing Director, Bharat Coking Coal Ltd., Koyla Bhavan, Koyla Nagar, Dhanbad (Jharkhand)
8. The Chairman/Managing Director, Central Coalfields Ltd., Dharbhanga House, Ranchi(Jharkhand)
9. The Chairman/Managing Director, Eastern Coalfields Ltd., Sanctoria, P.O.Dishergarh, Distt Burdwan (West Bengal)

10. The Chairman/Managing Director, Mahanadi Coalfield Ltd., Sambalpur, (Orissa)
11. The Chairman/Managing Director, Northern Coalfields Ltd., Singrauli, P.O. Singrauli Collieries, Distt. Sidhi (M.P.)
12. The Chairman/Managing Director, South Eastern Coalfields Ltd., P.B. 60, Secpat Road, Bilaspur (M.P.)
13. The Chairman/Managing Director, Western Coalfields Ltd., Coal Estate, Civil Lines, Nagpur.
14. Director (Personnel), Coal India Ltd., 10-Netaji Subhas Road, Kolkata
15. Director (Technical), Coal India Ltd., Netaji Subhas Road, Kolkata
16. Executive Director(S&R), Coal India Ltd., 10-Netaji Subhas Road, Kolkata.
17. The Chairman / Managing Director, Central Mine Planning and Design Institute, Gondwana Place Kanke Road, Ranchi (Jharkhand)
18. Dr. VVR Prasad, Dy. Director, Central Institute of Mining Research & Fuel, Berwa Road, Dhanbad (Jharkhand)
19. The General Manager, Tata Steel Ltd., Jharia Collieries, Jamadoba-828112, Dhanbad (Jharkhand)
20. The General Manager, I/C (Collieries), Steel Authority of India, IISCO Steel Plant, Colliery Complex, Chasnala Colliery, P.O. Chasnala, Dist. Dhanbad-828135 (Jharkhand)
21. Shri A. K. Thakur, Manager (Mining), Damodar Valley Corporation, Bermo Mines, P.O. Bermo, Dist. Bokaro, PIN-829104 (Jharkhand).
22. Shri. A.K. Tooley, Director, PANEM, 6 - Poorvi Marg, 3rd Floor, Vasant Vihar, New Delhi.
23. Shri A.R. Sharma, Advisor, Bengal EMTA Coal Mines Ltd., 6 - Poorvi Marg, 3rd Floor, Vasant Vihar, New Delhi.
24. General Managing, Jharkhand State Mineral Development Corporation, Khanij Nigam Bhavan, Doranda, Ranchi (Jharkhand)
25. Shri A. K. Garg, General Managing, Gujarat Mineral Development Corporation, Khanij Bhavan, Off 132 Ft Ring Road, Nr. University Ground, Vastrapur,, Ahmedabad - 380052
26. Chief of Internal Safety, Rajasthan State Mines & Mineral Ltd., SBU & PC LIMESTONE, 8, West Patel Nagar, Circuit House Road, Jodhpur- 342011(Rajasthan)
27. Shri V. Ravikumar, Chief Executive, Integrated Coal Mining Limited, 6th Church Lane (1st Floor), Kolkata-700 001
28. Chief Manager (Mines), Gujarat Industries Power Co. Ltd., P.O. Naini Naroli, Taluka Mangrol, Distt. Surat-394110(Gujarat)
29. Shri D.N. Abrol, Executive Director (Raw Material), Jindal Steel & Power Ltd., Jindal Centre, 12 Bhikaji Cama Place, New Delhi – 110 066.
30. Shri Rejendra Prasad Singh, Hon'ble M.L.A, President, Indian National Mine Workers Federation, (INTUC) C/o Dhori Colliery, P.O. Bermo, Distt, Bokaro, (Jharkhand) - 825102
31. Shri S. Q. Zama, General Secretary, Indian National Mines Workers Federation (INTUC) C/o Rashtriya Koyla Mazdoor Sangh, Plot No. 604, Giripeth Post Office, Nagpur-440010
32. Shri Ramendra Kumar, Secretary, Indian Mine Workers Federation, P.O.Bhurkunda Colliery, Distt. Hazaribagh (Jharkhand) - 829135
33. Shri A.C.Patra, General Secretary, Orissa Coal Mines Federation, P.O.Bera Colliery-759103, Distt. Angul, (Orissa)
34. Shri S.K.Pandey, General Secretary, Akhil Bhartiya Khadan Mazdoor Sangh (Bhartiya Mazdoor Sangh), Qtr No. I-C/107, Post-Bisrampur Colliery, Distt. Sarguja-497226 (Chhattisgarh)
35. Shri Manas Kumar Mukherjee, General Secretary, Dankuni Coal Complex Employees Union, P. O- DCC Township, Dist.- Hoogly,
36. Shri Sunil Mukherjee, Member Secretary, United Trade Union Centre of L / S, 77/2/1, Lenin Sarani, Kolkata-700013
37. Shri N.P. Chauhan, Hony Treasurer, Indian Mine Managers' Association, Bungalow No. 3, Beldih Lake, Northern Town, Jamshedpur – 831 001
38. Shri Shukdev Narayan, President, CMOAI (Apex) BCCL, Kusunda Area, P.O.Kusunda- 828116, Distt. Dhanbad (Jharkhand)

Copy to :

1. PS to Hon'ble Minister of Coal
2. S to Hon'ble Minister of State for Coal

3. Sr. PPS to Secretary (Coal)
4. PPS to Additional Secretary (Coal)
5. PS to JS (C)/ Adviser (P)/ Director (T)
6. TD/NIC Ministry of Coal with a request to put the minutes of 38th meeting of the Standing Committee on Safety in Coal Mines on Ministry's web-site.

**Minutes of the 38th Meeting of the Standing Committee on Safety in Coal
Mines under the Chairmanship of Hon'ble Minister of Coal held on 28th
January 2014**

The 38th meeting of the Standing Committee on Safety in Coal Mines was held on 28th January, 2014 in New Delhi under the Chairmanship of Shri Sriprakash Jaiswal, Hon'ble Minister of Coal.

The list of participants is at Annexure.

1. Before starting the proceedings, two minutes' silence was observed in memory of those who laid down their lives for the cause of Coal Industry since the last meeting of the Standing Committee. Then the meeting of the Standing Committee formally started with lighting of the lamp.

Chairman requested Secretary (Coal) to conduct the meeting. Secretary (Coal) requested Hon'ble Minister to address the Committee.

2. Welcoming all the members of the Standing Committee on Safety in Coal Mines, Chairman appreciated the efforts put by the workers, officers, trade union leaders and other stakeholders in enhancing the coal production in the country and emphasised the need for further augmentation of the production in view of rapidly increasing demand for coal to support the energy requirements of the country. However, he expressed his concern over the rise in fatal accidents and fatalities in the last two years. He desired that Internal Safety Organisation (ISO) should seriously analyse the causes of accidents and appropriate actions should be taken accordingly. He advised coal companies to adopt best technology for safe operation of mines, to introduce dump stability monitoring system, to organise more advanced and practical skill development and job-oriented training programme. He called upon the trade unions to play more pro-active role in disseminating and propagating safety awareness among workers so that the "zero harm potential" in our mines is achieved.

(Action All subsidiary companies, Trade Unions)

3. The Secretary (Coal) during his address stressed on ensuring safety in all the production processes and requested the house to take the agenda notes for discussion.

Confirmation of the minutes of 37th Meeting

4. The minutes of the 37th Meeting of the Standing Committee on Safety in Coal Mines under the Chairmanship of Hon'ble Minister of Coal held on 17th April, 2013 was confirmed.

ATR on the recommendation of the 37th meeting:

5. Action taken report on the recommendations of the 37th meeting and agenda items of the 38th meeting was deliberated upon.

6. Secretary (coal), mentioned that in the ATN at S No. 1 the word 'drastically' is to be deleted in respect of reduction in the accidents/injuries.

7. Shri S K Pandey, Representative, Bhartiya Mazdoor Sangh (BMS) mentioned that there were difficulties in achieving zero harm potential and he desired that coal companies should chalk out the strategy to reduce number of accidents in a time bound manner.

Shri R K Tiwary, Dy.Gen.Secy., Bihar Coal Mines Union (AIUTUC) also mentioned that systematic approach was required to further improve standard of safety in mines and minimise the number of accidents there.

Shri Rahul Guha, DG, DGMS stressed on the preparation of Risk Assessment based Safety Management Plan for every coal mine for further improvement in the standards of safety. He emphasized that further reduction in the number of accidents was only possible through implementation of Risk

Assessment based Safety Management Plan and its regular review. He desired that CMDs should take note of it; and ensure the same.

(Action: All coal companies)

8. Shri S K Pandey further requested DGMS to clarify the criteria for any accident whether it was a mining or non-mining accident as such a clarification would help in interpretation should there be any dispute. DG informed that DGMS would issue a detailed clarification at the earliest so that ambiguities regarding definition about the mining and non-mining accidents were eliminated.

(Action: DGMS)

9. On the issue of the status of payment of ex-gratia amount of Rs 5 Lacs to the dependent of deceased contractor workers, who dies in mine accident, Shri Zama, mentioned that so far no circular had been issued by CIL for removing the discrimination on the payment of ex-gratia in case of death of contractor workers: the same should be issued by CIL & SCCL urgently.

In this regard, the issue was deliberated at length in the previous meetings wherein CIL mentioned that it would make payments through insurance companies once the details of the contractor workers were available. Accordingly, all coal companies should take necessary steps in this matter.

(Action: All coal companies)

10. During the discussion on the issue of security of explosive magazines, particularly in naxal dominated coalfield, Shri Pandey mentioned that there was neither manual siren nor proper fencing around explosive magazines. In some of the cases even the armed security guards were not posted there. He demanded that security of magazines stocking explosives should be enhanced.

CMDs of coal companies informed that adequate security arrangements had been made for the magazines by deploying security personnel of the company as well as home-guards provided by state government. However any specific case could be examined if details were given.

(Action: All coal companies)

11. Shri S Q Zama, General Secretary-INMF (INTUC) and Shri S K Pandey said that standards as proposed in the ILO-176 conventions were not being followed. DG DGMS mentioned that ratification of ILO-176 convention involved many things including strengthening of manpower of DGMS. However industry was following the aspects covered in the convention.

12. Union representatives pointed out that there was shortage of statutory manpower. He requested DGMS to increase the frequency of conducting competency examinations for mining Sirdar and Overman category so that more number of candidates could become available for recruitment. DG DGMS agreed to the suggestions.

Shri R.K.Tiwari also opined that same candidates were selected in several companies as examination dates were different. To fix this problem, he desired that all subsidiary companies should conduct examination on the same date so that same candidates were not selected in more than one company.

Shri Zama, also desired that immediate steps should be taken for inducting new workers particularly in underground mines keeping in view the present age profile of workers so that production from UG was sustained.

(Action: All Coal Companies/DGMS)

13. Regarding the issue of harassment by the local police in case of mine accidents, Shri Zama, while mentioning about the actions taken by MoC earlier with the respective State Govts., requested Secretary (Coal) to take up the matter with the chief secretaries of coal producing states.

(Action: MoC)

14. Union representatives pointed out that no inspection of private coal mines was carried out in the year 2013 by the sub-committee constituted by Ministry of Coal.

(Action: MoC)

15. Shri R K Tiwary, also mentioned that PME and IME of the contractor workers were not being done as per the statutory requirements. He also pointed out that no CMPF account had been opened for many contractor workers. He desired that the principal employer should ensure the same.

However it was clarified that all the coal companies were complying with the provisions in respect of IME and PME of contractor workers. If there was any specific issue, coal companies would look into it.

(Action: All Coal Companies)

16. Shri K C Parra, Representative (HMS) desired to know how many contractor workers were working in mines and how many bonafide contractors were listed in the mines today.

In response to this, it was mentioned that the list of workers was maintained in the mine and if any gap was there, it would be looked into by coal companies.

(Action: All Coal Companies)

17. Shri Zama, mentioned that employment could be considered for the dependent of the deceased Contractor Worker, who died in mine accident, on humanitarian ground.

He reiterated that death due to heart attack while on duty should be treated as mining accident. He also demanded that when a worker died while travelling by Public or private transport for attending his duties, it should be considered as death on duty on the basis of notional extension of work place.

It was informed that the issue was deliberated and had been recorded in the point no 15 of the 35th Standing committee meeting minutes.

18. Sri Zama requested DGMS about current status of Mines (Amendment) Bill and new Coal Mine Regulation. He opined that the Vocational Training Rules - 1966 should be amended.

In response to this DG, DGMS informed that the 'Section -12 Committee,' constituted under the Mines Act, 1952 had endorsed modification of Coal Mine Regulation in its last meeting held on 20th January, 2014. He further informed that statutory notification for new Coal Mine Regulation would be done within 3(three) months and after another 3(three) months, the same would come into force. Regarding current status of the Mines (Amendment) Bill, he informed that most of issues were sorted out in Standing Committee on Labour & Employment and Cabinet Level meeting over a period of time and the remaining issues were likely to be finalised by February, 2014. Then, it would be put up before parliament for final ratification.

19. Sri Zama also advised CIL/SCCL to rationalize its R&R Policy particularly with effective mechanism for quick acquisition of land particularly for new projects to avoid cost escalation and rendering opencast mines unsafe for want of inadequate land for expansion.

In response to this it was informed that CIL had a comprehensive R&R policy which was being reviewed from time to time.

20. Sri Zama further suggested for putting in place adequate infrastructure for occupational health hazards as per the recommendations made by 11th Safety Conference and to meet global standard.

In regard to OIHL, it was mentioned that coal companies were getting their medical officers trained with the help of DGMS.

21. Shri Zama also reiterated INTUC outstanding demand to grant one time relaxation to mining diploma holders who were age barred having no scope of employment in any other industry. CIL was asked to examine on this.

(Action: CIL)

22. Summing up the deliberation of the meeting, Secretary (Coal) highlighted the following points:

- i) Shortage of statutory personnel should be filled up in a time bound manner.
- ii) Regular examination for Mining Sirdar and Overman should be conducted by DGMS so that sufficient numbers of suitable candidates are always available for recruitment for the said statutory posts.
- iii) Risk Assessment based Safety Management Plan should be prepared and implemented for every coal mine and it should be reviewed periodically.
- iv) Allocated budget for safety should be utilised properly.
- v) Safety, health and welfare of the contractor's worker should be ensured.
- vi) The sub-committee constituted by the MOC for inspection of the private coal mines should visit at least one mine in a year.

(Action: All coal companies)

The meeting ended with vote of thanks to the Chair.

List of the participants of the 38th meeting of Standing Committee on Safety in Coal Mines held on 28.1.2014 in New Delhi.

<u>Sl.No. NAME</u>	<u>DESIGNATION</u>
1. Minister of Coal	Chairman
2. Shri S.K. Srivastava	Secretary (Coal)
3. Shri A.K. Bhalla	Joint Secretary
4. Shri D.N. Prasad	Adviser (Projects)
5. Shri A.K. Mandal	Under Secretary
<u>TRADE UNION REPRESENTATIVE</u>	
6. Shri S.Q. Zama	Gen.Secy.,INMWF(INTUC)
7. Shri K.C. Patra	Representative, HKMF, (HMS)
8. Shri S.K. Pandey	Gen.Secy. (BMS)
9. R.K. Tiwary	Dy.Gen.Secy., (AIUTUC)
<u>MINISTRY OF LABOUR & EMPLOYMENT, DGMS</u>	
10. Shri R. Guba	Director General, DGMS
11. Shri B.L. Meena	Dy. Secretary
12. Shri S.K. Singh	Under Secretary (MOLE)
13. Shri Ganesh Kumar,	Asstt.
<u>COAL INDIA LIMITED</u>	
14. Shri S. Narsing Rao	CMD, CIL
15. Shri T.K. Lahiry	CMD, BCCL
16. Shri A.K. Devnath	CMD, CMPDI
17. Shri A. N. Sahay	CMD, MCL
18. Shri Rakesh Sinha	CMD, ECL
19. Shri D.C. Garg	CMD, WCL
20. Shri N. Kumar	Director (Tech.), CIL
21. Shri C.B. Sood	ED (S&R), CIL
22. Shri R.Mohan Das	Director (P&IR)
23. Ms. S. Sahu	Director (P)/CMD, NCL
24. Shri M. Mishra	GM (S&R), NCL
25. Shri D. Tripathy	G.M., CIL
26. Shri Debdulal Sarkar	Sr. Manager, (Mining)
27. Shri S. Roy Choudhury	
28. Shri P.K. Sinha	GM(Safety), CCL
29. Shri N.K. Tripathi	GM (Safety), ECL
30. Shri Surendra Singh	GM (S/R), BCCL
31. Shri A.G. Mukherjee	CGM (Safety), WCL
32. Shri A.K. Tiwari	Director (O), MCL
33. Shri G. Singh	
SCCL:	
34. Shri A. Manohar Rao	Director (P&P), SCCL
35. Shri R.K. Manijhi	CGM(S&R), SCCL
36. Shri B. Kishan Rao	GM (Corp. Safety), SCCL
NLC:	
37. Shri.B. Surender Mohan,	CMD, NLC
38. Shri M.S. Ravindranath	Director(Mines), NLC
39. Shri N. Muthu	CGM/HR, NLC
40. Shri S.K. Muniappan	GM/ISO, NLC

PRIVATE MINES :

41. Shri V. Ravikumar
42. Shri A.R. Sharma
43. Shri A.K. Tooley
44. Shri N.K. Chauhan
45. Shri K. Dhagat
46. Shri S.R. Maji
47. Shri S.K. Singh

Vice President, ICML
Adviser, Bengal EMPA
Director, PCML
DGM, GIPCL
Sr. Vice President, JSPL
Agent, DVC. Vermo Mines
G.M., TATA Steel

AGENDA ITEM NO. III

**Action Taken Report on recommendations of 38th meeting of Standing
Committee on
Safety in Coal Mines held on 28.1.2014 at New Delhi**

Sl. No.	Para No.	Recommendations	Status/ Action Taken															
1	1.	<p><u>ATR on recommendations of the 38th Meeting</u> Hon'ble Minister of Coal expressed his concern over the rise in fatal accidents and fatalities in the last two years. He desired that Internal Safety Organization (ISO) should seriously analyze the cause of accidents and appropriate actions should be taken accordingly. He advised coal companies to adopt best technology for safe operation of mines, to introduce dump stability monitoring system, to organize more advanced and practical skill development and job oriented training programme.</p>	<p>CIL: The fatalities and serious injuries in 2014 have reduced when compared to the same period last year as evident from the table given below.</p> <table border="1" data-bbox="995 577 1506 884"> <thead> <tr> <th>Year</th> <th>Fatalities</th> <th>Serious Injuries</th> </tr> </thead> <tbody> <tr> <td>2013</td> <td>58</td> <td>203</td> </tr> <tr> <td>2014 (Jan. to Nov..)</td> <td>45</td> <td>181</td> </tr> <tr> <td>Reduction in absolute numbers</td> <td>13</td> <td>22</td> </tr> <tr> <td>% of reduction</td> <td>22.4%</td> <td>10.8%</td> </tr> </tbody> </table> <p>Apart from safety measures taken as per statutory requirement, the following steps are initiated to prevent repetitive nature of accidents in the mines of CIL:</p> <ol style="list-style-type: none"> 1. After analysis of causes and circumstances leading to fatal accidents, several internal circulars / guidelines are being issued for improvement of safety standards in mines of CIL. 2. Dumper operators are being trained through Advance Training Simulator for improving their skill and alertness. 3. Risk assessment based safe operating procedures (SOP)s for all mining operations are being framed for implementation. 4. No contractual worker is engaged in the mines without undergoing VTC training and IME. 5. For improving safety awareness of contractor's workers, safety drives are being conducted on regular basis to improve the safety standards in contractual operations. <p>SCCL:</p> <ol style="list-style-type: none"> 1. Regular inspections of the mines are being carried out by ISO officers of the region and corporate to point out deficiencies/non compliance of statute. 2. Fatal and serious accidents are being enquired by the GM (S) of the region/ASOs and guidelines are being circulated to prevent similar accidents. 3. Simulators are being procured to give effective training to EP Operators. 4. The following technologies are implemented for safe operation of mines. 	Year	Fatalities	Serious Injuries	2013	58	203	2014 (Jan. to Nov..)	45	181	Reduction in absolute numbers	13	22	% of reduction	22.4%	10.8%
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			<p>A. Underground:</p> <ul style="list-style-type: none"> i) High capacity Long wall ii) Short wall mining iii) Blasting Gallery Method iv) LHDs & SDLs. v) Continuous Miner Technology. vi) High wall mining <p>B. Opencast:</p> <ul style="list-style-type: none"> i) Surface miner technology ii) Inpit crusher conveyor. iii) Drag lines. iv) High capacity dumpers and Shovels <p>5. The following table shows the trend of fatal accidents at SCCL:</p> <table border="1" data-bbox="1005 636 1433 786"> <thead> <tr> <th>Year</th> <th>Fatal</th> <th>Fatalities</th> </tr> </thead> <tbody> <tr> <td>2012</td> <td>11</td> <td>12</td> </tr> <tr> <td>2013</td> <td>11</td> <td>12</td> </tr> <tr> <td>2014(upto Nov.)</td> <td>7</td> <td>7</td> </tr> </tbody> </table> <p>NLC: Internal Safety Organization (ISO) seriously analyses the causes of each accident and appropriate action is taken accordingly to avert any recurrence of similar accidents in future.</p> <p>NLC is adopting the best technology for safe operation of the mines. In NLC, a well defined dump stability monitoring system for pit slope and dump slope stability has been introduced. NLC is also organizing more advanced and practical skill development and job oriented training programme for the benefit of the workforce throughout the financial year to achieve best employee's performance. Thus the company is pro-active for dissemination and propagation of the safety awareness so as to achieve zero harm potential in the long run.</p> <p>JSPL/JPL: At JPOCCM regular analyzing the causes of accidents and appropriate actions had taken accordingly.</p> <p>A geotechnical study is being conducted by NIT Rourkela to assess the stability of the dump and the monitoring of various parameters during the course of dumping</p> <p>Tata Steel (Jharia Div.): Deployed 8LHDs, 4UDMs and one road header machine in underground to reduce the exposure of people at hazardous place to improve the safety, training is being imparted to all employees on SOPs, Regularly conducting safety awareness programs to improve safety culture among the employees and workers to achieve "Zero Harm Potential".</p>	Year	Fatal	Fatalities	2012	11	12	2013	11	12	2014(upto Nov.)	7	7
Year	Fatal	Fatalities													
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2014(upto Nov.)	7	7													
2	7.	Shri Rahul Guha, DG, DGMS stressed on the preparation of Risk Assessment based safety management Plan for every coal mine for further improvement in the standard of safety. He emphasized that further reduction in the number of accidents is only possible through implementation	CIL : Executives who have been trained by SIMTARS, Australia are engaged for imparting training and upgrading the knowledge of mine level executives to identify the hazards and evaluate the associated risks in the mine.												

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		<p>of Risk Assessment based safety management Plan and its regular review. He desired that CMDs should take note of it and ensure the same.</p>	<p>On the basis of this training, Risk assessment based Safety Management Plans (SMPs) have been prepared for all mines of CIL and the same are under implementation. Till date, in CIL</p> <ul style="list-style-type: none"> • Nos. of executives trained in 1st phase of training programme 1488 • Nos. of executives trained in 2nd phase of training programme 1341 • Nos. of persons trained during upgradation / review training programme 1154 • Nos. of risk assessment based SMPs prepared All mines of CIL • Nos. of SMP already reviewed by SIMTARS accredited executives of CIL for further modification 330 <p>DGMS: Every mine has been asked to conduct the exercise of Risk Assessment and preparation Safety Management Plan based on such studies. Coal companies have to provide the current status on this subject. However as a technical guide and sample checks. DGMS has conducted Risk Assessment and Safety Management studies in 14 Coal mines and 1 Non-coal mine since April, 2014 (list is enclosed as in Annexure-II), studies in some other mines are in progress.</p> <p>SCCL: Risk assessment based safety management plan has been prepared and being implemented in all the mines and it is being reviewed monthly and quarterly.</p> <p>NLC: Efforts are made to strive for zero harm potential and in order to reduce the number of accidents Systematic approach is being followed in NLC to improve the safety standards in mines. NLC is making use of accredited external agency for preparation of Risk Assessment based on safety management plan. The implementation of the same and regular review would bring reduction in number of accidents.</p> <p>JSPL/JPL: To achieve Zero harm potential, Risk Assessment based Safety Management Plan has been prepared and implemented at JPOCCM, and reviewed periodically.</p> <p>Tata Steel (Jharia Div): Risk assessment and hazard identification have been done in all Collieries in consultation with DGMS officials and safety management plan have been prepared. In addition TSL have also implemented OSHMS (occupational health and safety management system) in the company and an audit for same has</p>

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			<p>been conducted by second party in all the collieries. An action plan for same have been prepared to improved safety and it is being reviewed in our DIC and Apex safety council meeting.</p> <p>GMDC: Risk Assisment based safety management plan prepared and implemented.</p>
3	8.	<p>Shri S K Pandey further requested DGMS to clarify the criteria for any accident whether it was a mining or non-mining accident as such a clarification would help in interpretation in case of any dispute. DG informed that DGMS would issue a detailed clarification at the earliest so that ambiguities regarding definition about the mining and non-mining accidents were eliminated.</p>	<p>CIL : DGMS has issued a circular for clarifications of the issue vide DGMS (Legis) Circular (MAMID) No. 01 of 2014. (Copy of the said circular is at Annexure -I)</p> <p>DGMS: Technical Circular No. 01 of 07.05.2014 has been issued in regard to the criteria for deciding on accident to be a mining or non-mining. A copy of which is at Annexure-I.</p> <p>NLC: A Joint Committee has been constituted at NLC as decided in the 35th meeting of the Standing Committee to decide whether the accident is being mining or non-mining operation and payment of compensation etc with the following members.</p> <p>Executive Director/Mines - Chairman of the Committee</p> <p>Manager/Mine-I - Member</p> <p>Manager/Mine-II - Member</p> <p>Head of ISO - Member</p>
4	9.	<p>On the issue of the status of payment of ex-gratia amount of Rs. 5 Lakhs to the dependent of deceased contractor workers, who dies in mine accidents. Shri S.Q.Zama mentioned that so far no circular had been issued by CIL for removing the discrimination on the payment of ex-gratia in case of death of contractor workers. The same should be issued by CIL & SCCL urgently.</p> <p>In this regard, the issue was deliberated at length in the previous meetings wherein CIL mentioned that it would make payments through insurance companies once the details of the contractor workers were available. Accordingly, all coal companies should take necessary steps in this matter</p>	<p>CIL: Presently in CIL, the compensation in case of fatal and serious accidents to contractor workers while on duty is paid by the contractors as per the provisions made under the Workmen Compensation Act- 2009 (Amended). CIL ensures that payment of compensation to the next of the kin of the deceased contractor workers or injured contractor workmen is paid by the respective contractor.</p> <p>SCCL: The provision of Employees Compensation Act, 1923 is being followed with regard to accident cases in respect of Contract labour.</p> <p>Regarding special exgratia to the dependants of the deceased contract workers, who dies in mine accident, the JBCCI has not taken any decision so far.</p> <p>NLC: In making payments to the dependent of the deceased contractors' workers in case of death in mine accidents since details of the contract workers being engaged by the contractors are available with NLC.</p> <p>PANEM: A list of contractors and their workers are being maintained with necessary rectification from time to time. Records of their payment are also maintained. No exploitation of workers is there.</p> <p>BECML: Deployment of Contractors workers: A list of contractors and their workers are being maintained with necessary rectification from time</p>

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5	10.	<p>During the discussion on the issue of security of explosive magazines, particularly in naxal dominated coalfield, Shri Pandey mentioned that there was neither manual siren nor proper fencing around explosive magazines. In some of the cases even the armed security guards were not posted there. He demanded that security of magazines stocking explosives should be enhanced. CMDs of coal companies informed that adequate security arrangement had been made for the magazines by deploying security personnel of the company as well as home guards provided by state government. However any specific case could be examined if details were given..</p>	<p>CIL: Generally, CISF is deployed for security of explosive magazines. However, where CISF is not available, Armed Guards are posted for security of explosive magazines. All explosive magazines are equipped with sirens. All subsidiaries of CIL have taken adequate measures for proper security of explosive magazines.</p> <p>SCCL: CISF personnel/Armed Reserve Police forces/S&PC personnel are guarding Explosive Magazines.</p> <p>All the magazines are provided with compound wall/proper fencing around it.</p> <p>NLC: Magazine is constructed in a single place for all the Mines at Neyveli. For the Barsingsar Mine, separate Magazine is constructed with a boundary wall and is guarded round the clock by Armed Central Industrial Security Force (CISF) Personnel to ensure security and avoidance of theft. Regularly co-ordination meetings are held by Chief General Manager with CISF personnel with regard to the security arrangement for the magazine and the requirement are being met with. In addition, provisions of Tower Lighting and RCC Construction for the CISF personnel are made available near the magazine. Moreover, the safe explosives like Site Mixed Emulsion (SME) which cannot be ignited in normal course is used in NLC in the place of conventional explosives to avoid pilferage.</p> <p>JSPL: At JPOCCM magazine following arrangement has been provided.</p> <ol style="list-style-type: none"> 1. Power operated as well as Manual operated siren. 2. Two row of fencing around the magazine. 3. Magazine is well guarded by the departmental security services with more than three armed guards round the clock. <p>Local police authority also extends their support in this regard.</p> <p>Tata Steel (Jharia Div.): Watch towers with adequate siren have been provided in all the magazines boundary wall has been extended upto 10ft height with proper barbed wire fencing. Company's arm guards have been deployed for security of the magazine. Lighting surrounding the magazine area have been improved.</p> <p>PANEM: Adequate security arrangements had been made for the magazines by deploying security personnel of the company. All the Explosive Magazines of our company are located in easily accessible areas. Therefore, adequate protective facilities for the magazines to curb theft or pilferage of explosives etc., have satisfactorily been exercised as follows:</p> <p>Construction of RCC Watch Tower to locate the Security personnel.</p>

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			<p>Installation of electric flood lighting throughout the periphery of the boundary walls of the cluster of magazines.</p> <p>Installation of dynamically balanced electrical Siren above the Watch Tower.</p> <p>Round the clock deployment of armed security personnels equipped with wireless handsets.</p> <p>Regular inspection of the magazines by Mines Manager, Safety Officer and Security Officer.</p> <p>BECMI: Adequate security arrangements had been made for the magazines by deploying security personnel of the company. All the Explosive Magazines of the company are located in easily accessible areas. Adequate protective facilities for the magazines to curb theft or pilferage of explosives etc., have satisfactorily been exercised as follows:</p> <p>Construction of RCC Watch Tower to locate the Security personnel.</p> <p>Installation of electric flood lighting throughout the periphery of the boundary walls of the cluster of magazines.</p> <p>Installation of dynamically balanced electrical Siren above the Watch Tower.</p> <p>Round the clock deployment of armed security personnels equipped with wireless handsets.</p> <p>Regular inspection of the magazines by Mines Manager, Safety Officer and Security Officer.</p>
6.	11.	<p>Shri S.Q. Zama, General Secretary-INMF (INTUC) and Shri S.K. Pandey said that standards as proposed in the ILO-176 conventions were not being followed.</p> <p>DG. DGMS mentioned that ratification of ILO-176 conventions involved many things including strengthening of manpower of DGMS. However, industry was following the aspects covered in the convention.</p>	
7.	12.	<p>Union representatives pointed out that there was shortage of Statutory manpower. He requested DGMS to increase the frequency of conducting competency examinations for mining sirdar and overman category so that more number of candidates could become available for recruitment. DG. DGMS agreed to the suggestions.</p> <p>Shri R.K.Tiwari also opined that same candidates were selected in several companies as examination dates were different. To fix this problem, he desired that all subsidiary companies should conduct examination on the same date so that same candidates were not selected in more than one company.</p> <p>Shri Zama, also desired that immediate steps should be taken for inducting new workers particularly in underground mines keeping in view the present age profile of workers so that production from UG was sustained.</p>	<p>CIL: All the subsidiaries are filling up shortage of statutory manpower with the approval of their respective Board of Directors. As regards the suggestion of Trade Union to conduct examination on the same date so that same candidates are not selected in more than one company, it is not possible as the subsidiaries have their own recruitment plan. Wherever possible, all newly recruited young workers are posted in the underground mines</p> <p>DGMS: The frequency of Junior Examinations has been increased from six monthly to quarterly. However, once the on-line examination is started in 2015, the frequency of overman's Examination may also be increased.</p> <p>NLC: NLC operates only opencast Lignite Mines and hence there should be an amendment in CMR to sort out short fall in statutory personnel in particular under Overman and Sirdar categories.</p>

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			<p>The details of statutory personnel required as per DDMS, Chennai, availability and shortfall/Excess are detailed below:</p> <table border="1" data-bbox="1000 340 1436 791"> <thead> <tr> <th>Category</th> <th>Requirement</th> <th>Existing</th> <th>Shortfall (-) / Excess (+)</th> </tr> </thead> <tbody> <tr> <td>Asst. Manager (1st Class / 2nd Class)</td> <td>135</td> <td>134</td> <td>(-) 1</td> </tr> <tr> <td>Overman</td> <td>235</td> <td>33</td> <td>(-) 202</td> </tr> <tr> <td>Surveyor</td> <td>21</td> <td>13</td> <td>(-) 8</td> </tr> <tr> <td>Sirdar</td> <td>235</td> <td>-</td> <td>(-) 235</td> </tr> </tbody> </table> <p>Steps taken to fill up the shortages:</p> <p>i) NLC is regularly taking action for recruitment of Mining Engineers through campus interviews and also by press notifications. Due to continuous efforts, NLC is having now 134 Mining Engineers holding First Class and Second Class Certificate of Competency under CMR 1957 and hence the shortfall is only 1. Further NLC is regularly deputing the Graduate Mining Engineers to Underground Coal Mines of Coal India Limited for undergoing practical training and after obtaining the statutory certificates they are being authorised in Mines to discharge all statutory duties.</p> <p>ii) With reference to Overman, Press Notifications were issued in 2005, 2009, 2010 and 2012, but there was poor response and only few people have joined from where some of them left NLC. Presently, we have 33 Nos. of Overmen working in all the Mines of NLC. Though NLC is continuously making efforts for recruiting Overmen, attrition is found to be more due to notional feeling of cultural and social differences among the recruits as most of them are hailing mainly from Northern parts of India. NLC will continue to make further attempts for recruitment of Overman to meet the shortfall. NLC has proposed to recruit fresh Diploma Mining Engineers and send them for Underground Training in Coal Mines to obtain the Overman's Certificate of Competency as required under statute. Based on the above, Press Notification is issued under Advt. No. 07/2014 for the recruitment of 157 Junior Engineer (Mining) to make up the shortfall.</p> <p>iii) In connection with the postings of Mining Sirdar, DGMS was informed that NLC was</p>	Category	Requirement	Existing	Shortfall (-) / Excess (+)	Asst. Manager (1 st Class / 2 nd Class)	135	134	(-) 1	Overman	235	33	(-) 202	Surveyor	21	13	(-) 8	Sirdar	235	-	(-) 235
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			<p>having highly mechanised Mines adopting continuous Mining System by deploying Specialised Mining Equipments of Bucket Wheel Excavators, series of Conveyors and Spreaders. NLC has posted a good number of Mechanical and Electrical Engineers possessing Diploma/Degree qualification and assigned the jobs to supervise the working areas of men and machines. Sirdars with Matriculation qualifications will not be able to perform and have effective control of the work of high sophisticated machineries.</p> <p>Certain details as sought by DGMS have since been furnished with a request to exempt NLC from the provisions of appointment of Mining Sirdars and the request of NLC is under examination of DGMS.</p> <p>Tata Steel Ltd (Jharia Div.): No shortage of statutory manpower in TSL.</p> <p>DVC: There is a shortage of Overman. DVC is in the process of recruitment. In the mean time it has engaged Graduate Engineer (mining) in shift and other place till new recruitment of Overman.</p> <p>PANEM: Adequate number of statutory personnel like Mining Sirdar, Overman, Asst. Managers etc. have been deployed in this mine. This is shown in the attached Performa which shows that we have no shortage of Statutory Personnel as on 01.12.2014.</p> <p>BECML: Adequate number of statutory personnel like Mining Sirdar, Overman, Asst. Managers etc. have been deployed in this mine. This is shown in the attached proforma which shows that we have no shortage of Statutory Personnel as on 01.12.2014.</p>
8.	13	Regarding the issue of harassment by the local police in case of mine accidents, Shri Zama, while mentioning about the actions taken by MoC earlier with the respective State Govts., requested Secretary (Coal) to take up the matter with the Chief Secretaries of coal producing States.	This was discussed by Secretary (Coal) with the Chief Secretary of the State concerned, during his visit to these states.
9.	14.	Union representatives pointed out that no inspection of private coal mines was carried out in the year 2013 by the sub-committee constituted by Ministry of Coal.	This has to be dealt with separately, in the light of cancellation of coal blocks.
10.	15.	Shri R.K.Tiwary, also mentioned that PME and IMF of the contractor workers were not being done as per the statutory requirements. He also pointed out that no CMPF account had been opened for many contractor workers. He desired that the principal employer should ensure the same. However, it was clarified that all the coal companies were complying with the provisions in respect of IME and PME of contractor workers. If there was any specific issue, coal companies would look into it.	<p>CIL: No contractor worker is engaged in the mines of CIL without IME. If any contractor worker works for more than 5 years in the mines of CIL, PME is done as per the provisions of Mine Rules 1955. In CIL, provident fund contributions of contractor workers are being paid by their respective employers (Contractors) as per prevalent statutes on the subject.</p> <p>SCCL: IME/PME for contractor workers is being done as per statutory requirements in Company OHS centers.</p> <p>A clause is being included in the NITs for awarding tenders, that the contractor should make</p>

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11.	16.	Shri K.C.Patra, Representative (HMS) desired to	<p>a provision for recovery of CMPF from the contractor workers and CMPF accounts had been opened to all the contractor workmen.</p> <p>NLC: a) The IME and PME are being conducted regularly for the all the contract workmen as per the statutory requirement in NLC General Hospital. b) NLC as a Principal Employer ensures the remittance of employee/employer contribution by remitting the same to Employees Provident Fund, as per statutory provisions.</p> <p>JSPL/JPL: No person is deployed in mine work unless the person goes through IME and gate pass is issued. For PME the DGMS guidelines are complied with. Most of the contractor's workers were covered under CMPF.</p> <p>TSL (Jharia Div.): IME and PME of contract workers is being done as per statute.</p> <p>GMDC: IME and PME of contractor workers are being carried out.</p> <p>PANEM: Occupational Health Hazards: Health service of this mine is covered by Medical Officer, along with paramedical staffs. A Super Specialty Hospital is also engaged for providing healthcare and periodic examination. The recommendations of 10th National Conference on Safety in Mines is being followed. All the employees recruited (upto September 2014) have been examined by above Hospital as Initial Medical Examination (IME). Total no. of employees entitled for periodical medical examination have been examined at the above Hospital.</p> <p>Investigation as per the recommendation of the 11th National Conference on Safety in Mines including PME was done for all the employees of Pachwara (Central) Block.</p> <p>BECML: Occupational Health Hazards: Health service of this mine is covered by Medical Officer, along with paramedical staffs. A Super Specialty Hospital is also engaged for providing healthcare and periodic examination. The recommendations of 10th National Conference on Safety in Mines is being followed. The details of the OHS is given in Table 10: All the employees recruited (upto September 2014) have been examined by above Hospital as Initial Medical Examination (IME). Total no. of employees entitled for periodical medical examination have been examined at the above Hospital.</p> <p>Investigation as per the recommendation of the 11th National Conference on Safety in Mines including PME was done for all the 571 employees of Tara.</p>
			CIL: Company-wise total number of contractor

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		<p>know how many contractor workers were working in mines and how many bonafied contractors were listed in the mines today.</p> <p>In response to this, it was mentioned that the list of workers was maintained in the mine and if any gap was there, it would be looked into by coal companies.</p>	<p>workers and number of contractor workers covered under CMPF /EPF in CIL are given below:</p> <table border="1"> <thead> <tr> <th>Company</th> <th>Cont. workers as on 31.12.14</th> <th>Coverage under CMPF /EPF</th> </tr> </thead> <tbody> <tr> <td>ECL</td> <td>5926</td> <td>4709</td> </tr> <tr> <td>BCCL</td> <td>6809</td> <td>3733</td> </tr> <tr> <td>CCL</td> <td>4577</td> <td>4131</td> </tr> <tr> <td>NCL</td> <td>11186</td> <td>10397</td> </tr> <tr> <td>WCL</td> <td>3816</td> <td>3398</td> </tr> <tr> <td>SECL</td> <td>13312</td> <td>10719</td> </tr> <tr> <td>MCL</td> <td>14778</td> <td>14576</td> </tr> <tr> <td>NEC</td> <td>889</td> <td>132</td> </tr> <tr> <td>CMPDIL</td> <td>760</td> <td>742</td> </tr> <tr> <td>CIL(HQ)</td> <td>112</td> <td>112</td> </tr> <tr> <td>Total</td> <td>62165</td> <td>52649</td> </tr> </tbody> </table> <p>SCCL: The list of contractor workers and bonafide contractors are being maintained at the mines.</p> <p>NLC: All bonafide contractors listed in the mines and the details of contract workers working under them are maintained in the Form-B register and the attendance particulars are maintained in the Form-D register..</p> <p>TSL (Jharia Div.): All contract workers working in UG mines are listed in B-form register. Attendance in C-register is done before going UG. All contract workers have been provided IC and they carry the ID card with all the time when at work.</p>	Company	Cont. workers as on 31.12.14	Coverage under CMPF /EPF	ECL	5926	4709	BCCL	6809	3733	CCL	4577	4131	NCL	11186	10397	WCL	3816	3398	SECL	13312	10719	MCL	14778	14576	NEC	889	132	CMPDIL	760	742	CIL(HQ)	112	112	Total	62165	52649
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12.	17.	<p>Shri Zama, mentioned that employment could be considered for the dependent of the deceased contractor worker, who died in mine accident on humanitarian ground.</p> <p>He reiterated that death due to heart attack while on duty should be treated as mining accident, He also demanded that when a worker died while travelling by public or private transport for attending his duties, it should be considered as death on duty on the basis of notional extension of work place.</p> <p>He informed that the issue was deliberated and had been recorded in the point no. 15 of the 35th Standing Committee Meeting minutes.</p>	<p>The contractors are giving employment to eligible dependents of the deceased contractor workers in several cases on request of the local mine management.</p> <p>Recently, DGMS has issued a circular no. DGMS (Legis) Circular / MAMID / 01, dated 07.05.2014 on the criteria to determine accidents - Mining-statistical, Mining-non statistical, Non-mining. Now, CIL is complying the same for deciding whether any particular accident is Mining-statistical or Mining-non statistical or Non-mining based on criteria clarified by DGMS. (Copy of circular is given as Annexure-I).</p>																																				
13.	18.	<p>Shri S.Q. Zama requested DGMS about current status of Mines (Amendment) Bills and new Coal Mine Regulation. He opined that the Vocational Training Rules - 1966 should be amended.</p>	<p>DGMS: In response to this DG, DGMS informed that the 'Section - 12 Committee' constituted under the Mines Act, 1952 had endorsed modification of Coal Mine Regulation in its last meeting held on 20th January, 2014. He further informed that statutory notification for new Coal Mine Regulation would be done within 3(three) months and after another 3(three) months the same would come into force. Regarding current status of the Mines (Amendment) Bill, he informed that most of issues were sorted out in Standing Committee on Labour & Employment and Cabinet Level meeting over a period of time and the</p>																																				

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			remaining issues were likely to be finalised by February, 2014. Then, it would be put up before parliament for final ratification.
14.	19.	<p>Shri Zama also advised CIL/SCCL to rationalise its R&R Policy particularly with effective mechanism for quick acquisition of land particularly for new projects to avoid cost escalation and rendering opencast mines unsafe for want of inadequate land for expansion.</p> <p>In response to this it was informed that CIL had a comprehensive R&R policy which was being reviewed from time to time.</p>	<p>CIL: CIL is having a comprehensive R&R policy, 2012 to provide just and fair compensation to all the project affected families.</p> <p>SCCL: State R&R policy is being implemented.</p> <p>NLC: The company is following National Rehabilitation and Resettlement Policy 2007 with effect from 31-10-2007 since inception in R&R matter.</p>
15.	20.	<p>Shri Zama further suggested for putting in place adequate infrastructure for occupational health hazards as per the recommendations made by 11th safety Conference and to meet global standard.</p> <p>In regard to OHH, it was mentioned that coal companies were getting their medical officer trained with the help of DGMS.</p>	<p>CIL: The present status of infrastructure for IME & PME in CIL is given in the <i>Agenda Item no. 9</i>. The Recommendations of 10th & 11th National Safety Conferences are being implemented. Audiometry is done where persons are engaged in operations / areas where noise level exceeds 90 dB (A). Training of doctors engaged in PME is being conducted regularly in all subsidiaries.</p> <p>SCCL: In SCCL 9 (Nine) OHS centres as per ILO guidelines are in operation with the AFIH Certificate from Central Labour Institute, Mumbai. Trained Doctors and Para-Medical staff and other secretarial staff having sufficient infrastructure like 300MA X-ray machine, facilities for Audiometry, Spirometry, ECG, Anthropometry, vision testing and Lab facilities are available for early detection of Pneumoconiosis.</p> <p>NLC:</p> <ul style="list-style-type: none"> • A well established Department of Industrial Hygiene and Occupational Diseases (DIHOD) is functioning effectively with highly qualified and experienced medical professional in OHS – System. The Occupational Health Services is established at NLC and functioning since the year 1982 under the control of highly qualified and experienced Medical Professionals in Industrial Safety. • Both Initial and Periodical Medical Examination of Employees/Contract Workmen are conducted at the Industrial Medical Centre of NLC- GH as per the statute. • Periodical Medical Examination for Miners (both Regular & Contract) is being conducted, as per the recommendations of Xth Conference on Safety. <p>Occupational Health at NLC</p> <ul style="list-style-type: none"> • The Periodical study is being conducted to identify and to detect notified Occupational diseases due to Occupational Health Hazards (Dust / Vibration /Noise etc.) • As a measure of environmental study, dust, noise, illumination and vibration studies are conducted once in 6 months through Centre for Applied Research and Development of NLC and the results are well within the permissible limits.

Sl. No.	Para No.	Recommendations	Status/ Action Taken
			<ul style="list-style-type: none"> • National Institute of Miners Health (NIMH), Nagpur, has conducted noise mapping, respirable dust survey and vibration test as a measure of environmental study in the year 2004, 2006, and 2007. The results observed are well within the permissible limits. • In pursuance of protective and proactive operation, notified occupational diseases were not identified, so far, during Periodical Medical Examinations conducted. • NLC has obtained the following certification for all the Mines and stipulated norms of certification are being maintained. • Quality Managerial System (ISO 9001: 2000) Environment Management System (ISO 14001: 2004) • Occupational Health and Safety Assessment Series (OHSAS 18001: 1999) <p>TSL: Well equipped occupational health center at Tata Steel and have very trained health specialist at TCL.</p> <p>DVC: Arrangements for investigation and treatment of occupational health diseases have been made. Initial and periodical examinations are being carried on regularly. Constant monitoring is being done for dust suppression by water spraying and using protective devices.</p>
16.	21.	Shri Zama reiterated INTUC's outstanding demand to grant one time relaxation to mining diploma holders who were age barred having no scope of employment in any other industry. CIL was asked to examine on this.	<p>At present, the maximum age limit prescribed for the direct recruitment of non-executives are as under:</p> <p>For General candidates : 30 years For OBC candidates : 33 years For SC & ST Candidates : 35 years</p> <p>On examination, it was found that subsidiaries have received sufficient number of applications for such posts in comparison to numbers of vacancies. Hence, it is not tenable to extend or relax maximum age limit prescribed for direct recruitment of non-executives for particular post, as this will discriminate between recruitment of mining personnel and other disciplines.</p>
17.	22.	<p>Secretary (Coal) highlighted the following points :</p> <ol style="list-style-type: none"> i. Shortage of statutory personnel should be filled up in a time bound manner. ii. Regular examination for Mining Sirdar and Overman should be conducted by DGMS so that sufficient numbers of suitable candidates are always available for recruitment for the said statutory posts. iii. Risk Assessment based Safety Management Plan should be prepared and implemented for every coal mine and it should be reviewed periodically. iv. Allocated budget for safety should be utilised properly. v. Safety, health and welfare of the contractor's worker should be ensured. 	<p>CIL: i) Vacancies of statutory personnel is being filled up on regular basis.</p> <p>iii) The details of Risk Assessment based Safety Management Plan are given in the ATR of Sl.No.2</p> <p>iv. Allocated budget for safety is being utilized in CIL. The details are given in the <i>Agenda Item No. 8.</i></p> <p>v) Following steps are being taken to improve safety standards of contractor workers.</p> <ul style="list-style-type: none"> • After analysis of causes and circumstances leading to fatal accidents involving contractor workers, several internal circulars / guidelines are being issued from the office of ED(S&R), CIL for strict compliance. • No contractual worker is engaged in the mines

Sl. No.	Para No.	Recommendations	Status/ Action Taken
		vi. The sub-committee constituted by the MOC for inspection of the private coal mines should visit at least one mine in a year.	<p>without undergoing VTC training and IME.</p> <ul style="list-style-type: none"> For improving safety awareness of contractor's workers, safety drives are being conducted on regular basis to improve the safety standards in contractual operations. <p>SCCL: To fill up the vacancies of statutory personnel (Overman & Mining Sirdars), Diploma (Mining) holders are being recruited. Risk assessment based safety management plan has been prepared and being implemented in all the mines and reviewing monthly and quarterly for effective implementation. Safety budget is being utilized properly. The relevant parts of the statute with reference to safety, health and welfare of the contractors workers are prepared and copies of the same is being provided to the contractor prior to commencement of operations. Its implementation is being maintained by management.</p> <p>TSL: 1) There is no shortage of statutory manpower in our colliery. 2) N A 3) Risk assessment and hazard identification has been done and safety management plan have been made. It is being reviewed periodically. 4) There is no budget for safety at our company. We get all we want for safety. 5) There is no discrimination of contract workers and company workers in our company with regard to safety, health and welfare. 6) N A</p> <p>GMDC: Implementing the applicable points.</p>



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



Annexure II

(2)

No. DGMS (Legis) Circular (MAMID)/ 01

Dhanbad, dated : 07 / 05 /2014

To

The Owner, Agent and Manager of all Mines

Subject : Criteria to determine accidents -- Mining-statistical, Mining-non statistical, Non-mining.

definition of different classes of accident had been made very clear in the past, it is felt necessary to once again bring it to the notice of all stake holders the following classifications on the subject :

(A) Mining-statistical accident

An accident shall be termed as Mining-statistical if

1. that occurred within the boundary of the mine and person(s) involved in the accident is employed in the mine and the accident occurred due to any mining operation, or by any equipment/machinery/apparatus deployed therein, or due to negligent or willful actions by a person, employed in the mine, that have endangered his life or the life of other person employed in the mine or negligently or willfully omit to do anything, necessary for safety of the persons employed therein,

and/or

2. that occurred within the boundary of the mine and person(s), employed in the mine, has/have gone in any part of the mine other than that part in which he/they work and involved in an accident due to any mining operation, or by any equipment/machinery/apparatus deployed therein, or due to negligent or willful actions by a person, employed in the mine, that have endangered his life or the life of other person employed in the mine or negligently or willfully omit to do anything, necessary for safety of the persons employed therein.

(B) Mining-non statistical accident

An accident shall be called as Mining-non statistical if

1. person(s), not employed in the mine, is/are involved in an accident, occurred within the mine boundary, due to any mining operation, or by any

C

equipment/machinery/apparatus deployed therein, or due to negligent or willful doing anything by a person, employed in the mine, that have endangered the life of person(s)

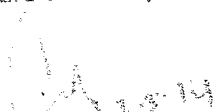
and/or

2. any accident occurred due to any operation which is incidental to mining operation, in an area outside the boundary of the mine whether person(s) involved in the accident is/are employed in the mine or not.

(C) Non-mining accident

1. An accident shall be termed as Non-mining if it occurs outside the boundary of the mine, whether person(s) involved in the accident is/are employed in the mine or not, due to any operation which is not incidental to mining operation. The consumer truck, transporting mineral, involved in an accident outside the boundary of the mine shall not be treated as an operation which is incidental to mining operation.
2. Any death due to natural cause shall also be termed as Non-mining accident.

Yours faithfully,


(Rahul Guha)
Director General of Mines Safety

ANNEXURE-2

**Risk Assessment & Development of Safety Management Plan during the FY 2014-15
Till 30.11.2014**

Sr. No.	Risk Assessment & Safety management Plan	Name of Mines	Owner	Coal/Non Coal	Received From
1	Explosion	1. Piparia underground Mine	M/s SECL	Coal	WZ, Nagpur
2		2. Tandsi Mine, Kanhan Area	M/s WCL	Coal	WZ, Nagpur
3	Fire	2. Piparia underground Mine	M/s SECL	Coal	WZ, Nagpur
4		3. Patansaogi Mine, Nagpur Area	M/s WCL	Coal	WZ, Nagpur
5		4. Saoner Mine no. 3, Nagpur Area	M/s WCL	Coal	WZ, Nagpur
6	Inundation	1. Tandsi Mine, Kanhan Area	M/s WCL	Coal	WZ, Nagpur
7		2. Piparia underground Mine	M/s SECL	Coal	WZ, Nagpur
8		3. Adasa Mine	M/s WCL	Coal	WZ, Nagpur
9	Strata Failure	1. Tandsi Mine, Kanhan Area	M/s WCL	Coal	WZ, Nagpur
10		2. Piparia underground Mine	M/s SECL	Coal	WZ, Nagpur
11		3. Sillewara Colliery, Nagpur Area	M/s WCL	Coal	WZ, Nagpur
12		4. Adasa Mine	M/s WCL	Coal	WZ, Nagpur
13		5. Patansaogi Mine, Nagpur Area	M/s WCL	Coal	WZ, Nagpur
14		6. Saoner Mine no. 3, Nagpur Area	M/s WCL	Coal	WZ, Nagpur
15	Strata Failure	1. Bailadila Iron Ore Mine	M/s NMDC	Non-Coal	WZ, Nagpur

AGENDA ITEM NO –IV

SAFETY STATISTICS

1. All India

Accident Trend in mines in India in last three years

SL. No	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	65	81	84	100
2	Number of fatalities	67	85	92	105
3	Number of serious accidents	533	510	456	338
4	Number of serious injuries	546	520	457	342

Note: 1. Serious Injuries of Fatal Accidents are also considered in computation of No. of serious injuries

2. Data for the year 2014 are upto 31/12/2014 and Provisional

2. COAL INDIA LIMITED:

i) Details of fatal and serious accidents in between 38th and 39th (29.1.2014- 31.12.2014) meeting of Standing Committee on Safety in Coal Mines meeting .

CIL:

Sl. No.	Parameters	Numbers
1	Numbers of fatal accidents	39
2	Numbers of fatalities	41
3	Numbers of serious accidents	169
4	Numbers of serious injuries	172

SCCL:

Sl.No.	Parameters	Number
1	Number of Fatal accidents	7
2	Number of fatalities	7
3	Number of Serious accidents	256
4	Number of Serious injuries	257

iv) **Company-wise Fatal Accidents, Fatalities, Serious Accidents & Serious Injuries during last three years in CIL.**

Company	Fatal Accidents				Fatalities				Serious Accidents				Serious injuries			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	8	11	8	6	8	11	8	6	81	86	66	66	84	89	67	66
BCCL	6	12	9	7	7	12	12	7	37	28	18	17	42	30	18	17
CCL	6	5	9	5	6	6	9	5	12	9	6	7	12	9	6	7
NCL	5	7	6	5	5	7	6	5	10	9	17	10	12	9	17	10
WCL	8	9	8	9	9	10	9	10	34	29	44	36	37	29	46	38
SECL	11	10	13	11	11	11	13	12	58	43	38	29	59	45	38	30
MCL	4	2	1	0	4	2	1	0	10	8	11	12	10	8	11	12
NEC	2	1	0	0	2	1	0	0	0	0	0	1	0	0	0	1
CIL	50	57	54	43	52	60	58	45	242	212	200	178	256	219	203	181

vi) Company-wise Cause-wise Fatal Accidents & Fatalities during last 3 years in CIL

COMPANY	YEAR	ROOF FALL /SIDE FALL		HAULAGE, WINDING, CONVEYOR		TRUCKS, WAGONS & DUMPERS		NON-TRANSPRT M/C		EXPLO-SIVES		ELECTRI-CITY		OTHERS		TOTAL	
		A	F	A	F	A	F	A	F	A	F	A	F	A	F	A	F
ECL	2011	3	3	0	0	3	3	1	1	0	0	0	0	1	1	8	8
	2012	3	3	1	1	3	3	3	3	0	0	0	0	1	1	11	11
	2013	2	2	1	1	3	3	0	0	0	0	0	0	2	2	8	8
	2014	2	2	1	1	0	0	0	0	0	0	0	0	3	3	6	6
BCCL	2011	1	2	2	2	1	1	1	1	0	0	0	0	1	1	6	7
	2012	0	0	1	1	5	5	1	1	0	0	0	0	5	5	12	12
	2013	2	5	0	0	1	1	1	1	0	0	0	0	5	5	9	12
	2014	0	0	0	0	1	1	2	2	0	0	0	0	4	4	7	7
CCL	2011	0	0	1	1	2	2	0	0	0	0	1	1	2	2	6	6
	2012	0	0	0	0	2	2	1	1	0	0	0	0	2	3	5	6
	2013	0	0	0	0	4	4	1	1	0	0	1	1	3	3	9	9
	2014	1	1	0	0	1	1	2	2	0	0	0	0	1	1	5	5
NCL	2011	0	0	0	0	3	3	0	0	0	0	0	0	2	2	5	5
	2012	0	0	0	0	2	2	1	1	1	1	0	0	3	3	7	7
	2013	0	0	0	0	5	5	1	1	0	0	0	0	0	0	6	6
	2014	0	0	0	0	4	4	0	0	0	0	0	0	1	1	5	5
WCL	2011	1	1	1	1	3	4	1	1	0	0	0	0	2	2	8	9
	2012	1	1	0	0	0	0	1	1	1	1	1	1	5	6	9	10
	2013	1	2	0	0	5	5	2	2	0	0	0	0	1	1	8	9
	2014	1	1	0	0	5	6	3	3	0	0	0	0	0	0	9	10
SECL	2011	3	3	2	2	3	3	1	1	0	0	0	0	2	2	11	11
	2012	2	3	1	1	3	3	1	1	0	0	2	2	1	1	10	11
	2013	2	2	1	1	3	3	4	4	0	0	1	1	2	2	13	13
	2014	5	5	0	0	0	0	1	1	1	1	0	0	4	5	11	12
MCL	2011	0	0	0	0	2	2	0	0	0	0	0	0	2	2	4	4
	2012	0	0	0	0	2	2	0	0	0	0	0	0	0	0	2	2
	2013	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEC	2011	0	0	0	0	1	1	0	0	0	0	0	0	1	1	2	2
	2012	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1
	2013	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CIL	2011	8	9	6	6	18	19	4	4	0	0	1	1	13	13	50	52
	2012	6	7	3	3	17	17	8	8	2	2	4	4	17	19	57	60
	2013	7	11	2	2	21	21	8	8	0	0	2	2	14	14	54	58
	2014	9	9	1	1	11	12	8	8	1	1	0	0	13	14	43	45

Others - Includes 'fall of object / person', 'fall of partings', 'Gas, dust, 'Inundation' and other miscellaneous causes.

A-Accident F-Fatality

vii) Company-wise Cause-wise Serious Accidents & Serious Injuries during last 3 years in CIL

COMPANY	Year	Roof/side Falls		Haulage, Conveyor & Winding		Trucks, Dumpers & Wagons		Non-transport m/cs		Explosives		Electricity		Others		Total	
		SA	SI	SA	SI	SA	SI	SA	SI	SA	SI	SA	SI	SA	SI	SA	SI
BCCL	2011	3	3	11	16	0	0	5	5	0	0	0	0	18	18	37	42
	2012	3	3	2	2	2	2	1	1	0	0	0	0	20	22	28	30
	2013	3	3	1	1	1	1	1	1	0	0	0	0	12	12	18	18
	2014	2	2	0	0	0	0	0	0	0	0	0	0	15	15	17	17
CCL	2011	1	1	0	0	1	1	0	0	0	0	0	0	10	10	12	12
	2012	0	0	1	1	1	1	1	1	0	0	0	0	6	6	9	9
	2013	0	0	0	0	1	1	0	0	0	0	0	0	5	5	6	6
	2014	0	0	1	1	0	0	1	1	0	0	1	1	4	4	7	7
ECL	2011	7	9	5	5	1	1	1	2	0	0	0	0	67	67	81	84
	2012	4	5	3	3	3	3	0	0	0	0	0	0	76	78	86	89
	2013	5	5	1	1	0	0	0	0	0	0	0	0	60	61	66	67
	2014	3	3	5	5	0	0	0	0	0	0	0	0	58	58	66	66
MCL	2011	2	2	0	0	1	1	3	3	1	1	0	0	3	3	10	10
	2012	0	0	2	2	1	1	0	0	0	0	0	0	5	5	8	8
	2013	0	0	0	0	3	3	1	1	0	0	0	0	7	7	11	11
	2014	1	1	0	0	5	5	2	2	0	0	0	0	4	4	12	12
NCL	2011	0	0	0	0	3	3	1	1	0	0	0	0	6	8	10	12
	2012	0	0	0	0	4	4	1	1	0	0	0	0	4	4	9	9
	2013	0	0	0	0	7	7	0	0	0	0	0	0	10	10	17	17
	2014	0	0	0	0	3	3	1	1	0	0	0	0	6	6	10	10
SECL	2011	7	8	12	12	2	2	6	6	1	1	0	0	30	30	58	59
	2012	7	8	4	4	2	2	2	2	0	0	0	0	28	29	43	45
	2013	7	7	3	3	1	1	6	6	0	0	0	0	21	21	38	38
	2014	3	4	1	1	1	1	4	4	0	0	0	0	20	20	29	30
WCL	2011	4	7	0	0	2	2	1	1	0	0	0	0	27	27	34	37
	2012	5	5	2	2	0	0	1	1	0	0	0	0	21	21	29	29
	2013	5	6	0	0	4	4	1	1	0	0	0	0	34	35	44	46
	2014	4	4	2	2	3	3	1	1	1	1	0	0	25	27	36	38
NEC	2014	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
CIL	2011	24	30	28	33	10	10	17	18	2	2	0	0	161	162	242	256
	2012	19	21	14	14	13	13	6	6	0	0	0	0	159	164	212	219
	2013	20	21	5	5	17	17	9	9	0	0	0	0	149	151	200	203
	2014	13	14	9	9	12	12	9	9	1	1	1	1	133	135	178	181

Others'- Includes 'fall of object / person', 'fall of partings', 'Gas, dust, 'Inundation' and other miscellaneous causes.

SA- Serious Accidents SI - Serious Injuries Injury

viii). Company-wise Place-wise Fatal Accidents during 29.01.2014 to 31.12.2014 in CIL

Company	Underground	Opencast	Surface	Total
ECL	2	1	0	3
BCCL	1	4	2	7
CCL	1	1	3	5
NCL	0	5	0	5
WCL	1	4	3	8
SECL	8	3	0	11
MCL	0	0	0	0
NEC	0	0	0	0
CIL	13	18	8	39

ix). Company-wise Place-wise Fatalities during 29.01.2014 to 31.12.2014 in CIL

Company	Underground	Opencast	Surface	Total
ECL	2	1	0	3
BCCL	1	4	2	7
CCL	1	1	3	5
NCL	0	5	0	5
WCL	1	5	3	9
SECL	8	4	0	12
MCL	0	0	0	0
NEC	0	0	0	0
CIL	13	20	8	41

x). Company-wise Place-wise Rate of Fatalities per MT of coal production & 3 Lac Man shifts deployed during last 3 years in CIL

Company	Per M.Te								Per 3 Lac Man shifts							
	Underground				Opencast				Underground				Opencast			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	0.57	1.01	0.59	0.70	0.18	0.15	0.14	0.03	0.08	0.14	0.08	0.11	0.43	0.44	0.47	0.12
BCCL	1.10	0.94	1.71	1.36	0.12	0.31	0.24	0.13	0.13	0.10	0.17	0.11	0.23	0.72	0.58	0.35
CCL	0.89	1.95	0.00	3.39	0.11	0.08	0.18	0.04	0.08	0.19	0.00	0.30	0.21	0.17	0.39	0.09
NCL	0.00	0.00	0.00	0.00	0.08	0.10	0.08	0.07	0.00	0.00	0.00	0.00	0.37	0.52	0.28	0.37
WCL	0.35	0.48	0.26	0.13	0.17	0.18	0.22	0.27	0.12	0.16	0.08	0.04	0.22	0.23	0.32	0.47
SECL	0.49	0.41	0.13	0.19	0.03	0.04	0.06	0.04	0.19	0.17	0.17	0.22	0.18	0.24	0.35	0.26
MCL	0.00	0.00	0.00	0.00	0.04	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.43	0.19	0.08	0.00
NEC	0.00	294.12	0.00	0.00	2.67	0.00	0.00	0.00	0.00	0.99	0.00	0.00	1.97	0.00	0.00	0.00
CIL	0.51	0.63	0.49	0.56	0.08	0.09	0.09	0.06	0.12	0.15	0.11	0.13	0.28	0.32	0.34	0.24

xi) Company-wise Place-wise Rate of Serious Injuries per million tonne of coal production and 3 lakh manshifts deployed during last 3 years in CIL

Company	Per M.Te								Per 3 Lac Man shifts							
	Underground				Opencast				Underground				Opencast			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	11.10	11.65	9.65	8.70	0.27	0.30	0.04	0.13	1.49	1.62	1.37	1.33	0.65	0.89	0.12	0.47
BCCL	9.38	7.52	5.14	4.07	0.31	0.21	0.10	0.25	1.07	0.79	0.51	0.32	0.62	0.48	0.25	0.70
CCL	5.35	1.95	0.00	2.26	0.13	0.15	0.12	0.09	0.51	0.19	0.00	0.20	0.26	0.30	0.26	0.22
NCL	0.00	0.00	0.00	0.00	0.19	0.13	0.24	0.14	0.00	0.00	0.00	0.00	0.88	0.67	0.78	0.74
WCL	2.60	2.52	4.38	2.71	0.43	0.24	0.38	0.51	0.85	0.83	1.41	0.93	0.54	0.31	0.56	0.89
SECL	2.61	2.01	1.94	1.30	0.17	0.11	0.06	0.08	1.02	0.82	0.77	0.58	0.96	0.66	0.35	0.59
MCL	2.70	2.70	2.75	0.76	0.04	0.03	0.06	0.09	1.09	0.95	0.95	0.19	0.43	0.28	0.58	1.00
NEC	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.26	0.00	0.00	0.00	0.00
CIL	4.85	4.36	4.14	3.30	0.17	0.13	0.12	0.14	1.11	1.02	0.96	0.78	0.59	0.46	0.44	0.62

xii) Company-wise Place-wise Fatal Accidents during last 3 years in CIL

Company	Underground				Opencast				Surface				Total			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	4	7	4	5	4	3	4	1	0	1	0	0	8	11	8	6
BCCL	3	3	3	1	3	6	3	4	0	3	3	2	6	12	9	7
CCL	1	1	0	1	2	3	8	1	3	1	1	3	6	5	9	5
NCL	0	0	0	0	3	5	5	5	2	2	1	0	5	7	6	5
WCL	3	4	1	1	4	4	5	5	1	1	2	3	8	9	8	9
SECL	7	5	7	7	3	3	6	3	1	2	0	1	11	10	13	11
MCL	0	0	0	0	3	2	1	0	1	0	0	0	4	2	1	0
NEC	0	0	0	0	2	0	0	0	0	1	0	0	2	1	0	0
CIL	18	20	15	15	24	26	32	19	8	11	7	9	50	57	54	43

xiii) Company-wise Place-wise Fatalities during last 3 years in CIL

Company	Underground				Opencast				Surface				Total			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	4	7	4	5	4	3	4	1	0	1	0	0	8	11	8	6
BCCL	4	2	6	1	3	7	3	4	0	3	3	2	7	12	12	7
CCL	1	2	0	1	2	4	8	1	3	0	1	3	6	6	9	5
NCL	0	0	0	0	3	4	5	5	2	3	1	0	5	7	6	5
WCL	3	4	2	1	5	6	5	6	1	0	2	3	9	10	9	10
SECL	7	7	7	7	3	4	6	4	1	0	0	1	11	11	13	9
MCL	0	0	0	0	3	1	1	0	1	1	0	0	4	2	1	0
NEC	0	0	0	0	2	0	0	0	0	1	0	0	2	1	0	0
CIL	19	22	19	15	25	26	32	21	8	9	7	9	52	60	58	45

ix) Company-wise Place-wise Serious Accidents during last 3 years in CIL

Company	Underground				Opencast				Surface				Total			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	59	61	57	46	6	7	1	2	16	18	8	18	81	86	66	66
BCCL	28	10	13	4	5	9	1	7	4	9	4	6	37	28	18	17
CCL	6	2	0	2	5	7	5	3	1	0	1	2	12	9	6	7
NCL	0	0	0	0	9	6	12	5	1	3	5	5	10	9	17	10
WCL	15	18	27	16	9	5	9	12	10	6	8	8	34	29	44	36
SECL	38	26	32	17	10	6	4	3	10	11	2	9	58	43	38	29
MCL	6	5	3	1	4	2	8	11	0	1	0	0	10	8	11	12
NEC	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
CIL	152	122	132	86	48	42	40	43	42	48	28	49	242	212	200	178

x) Company-wise Place-wise Serious injuries during last 3 years in CIL

Company	Underground				Opencast				Surface				Total			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
ECL	62	64	58	46	6	7	1	2	16	18	8	18	84	89	67	66
BCCL	31	12	13	4	5	9	1	7	6	9	4	6	42	30	18	17
CCL	6	2	0	2	5	7	5	3	1	0	1	2	12	9	6	7
NCL	0	0	0	0	11	6	12	5	1	3	5	5	12	9	17	10
WCL	18	18	29	18	9	5	9	12	10	6	8	8	37	29	46	38
SECL	39	28	32	18	10	6	4	3	10	11	2	9	59	45	38	30
MCL	6	5	3	1	4	2	8	11	0	1	0	0	10	8	11	12
NEC	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
CIL	162	129	135	89	50	42	40	43	44	48	28	49	256	219	203	181

3.(i) Overall fatality rate & serious injury rate per million tonne of coal production and per 3 lakh manshift deployed.

i) CIL.

Sl. No.	Parameters	2011	2012	2013	2014
1	Numbers of fatal accidents	50	57	54	43
2	Numbers of fatalities	52	60	58	45
3	Numbers of serious accidents	242	212	200	178
4	Numbers of serious injuries	256	219	203	181
5	Fatality Rate per Mt. of coal production	0.12	0.13	0.13	0.09
6	Fatality Rate per 3 lakhs man shifts deployed	0.18	0.22	0.21	0.19
7	Serious injury Rate per Mt. of coal production	0.60	0.48	0.44	0.37
8	Serious injury Rate per 3 lakhs man shifts deployed	0.90	0.79	0.74	0.77

ii) NLC:

Sl. No	Parameters	2011	2012	2013	2014
1	Fatal accidents	2	4	-	2
2	Fatalities	2	4	-	2
3	Serious accidents	5	5	3	2
4	Serious injuries	5	5	3	2
5	Fatality rate per Million tonnes of coal production	0.08	0.16	-	0.08
6	Fatality rate per 3 Lakh man shifts deployed	0.13	0.28	-	0.15
7	Serious injury rate per Million tonnes of Coal Production	0.21	0.20	0.11	0.08
8	Serious injury rate per 3 lakhs man shift deployed	0.33	0.35	0.21	0.15

iii) SCCL:

Sl. No	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	8	11	11	8
2	Number of Fatalities	8	12	12	9
3	Serious Accidents	319	339	364	270
4	Serious Injuries	320	341	369	271
5	Fatality rate per Mt. Of Coal Production	0.16	0.22	0.24	0.17
6	Fatality rate per 3 lakh manshifts deployed	0.16	0.22	0.24	0.19
7	Serious Injury rate per Mt. of Coal production	6.37	6.30	7.36	5.25
8	Serious Injury rate per 3 lakh manshifts deployed	6.28	6.22	7.38	5.69

iv) IISCO:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	1	1	2	1
2	Number of fatalities	1	1	2	1
3	Number of serious accidents	2	0	1	0
4	Number of serious injuries	3	0	1	0
5	Fatality rate per Mt. of coal production	1.24	1.24	2.47	1.24
6	Fatality rate per 3 lakh of manshifts deployed	0.50	0.50	0.99	0.50
7	Serious injury rate per Mt. of coal production	3.71	0.00	1.24	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	1.49	0.00	0.50	0.00

v) TISCO:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	3	0	2	2
2	Number of fatalities	3	0	2	2
3	Number of serious accidents	0	2	1	5
4	Number of serious injuries	0	2	1	5
5	Fatality rate per Mt. of coal production	0.28	0.00	0.19	0.18
6	Fatality rate per 3 lakh of manshifts deployed	0.39	0.00	0.26	0.27
7	Serious injury rate per Mt. of coal production	0.00	0.19	0.09	0.46
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.26	0.13	0.66

vi) M/S Electrosteel Castings Limited:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	3	1	0
2	Number of fatalities	0	3	1	0
3	Number of serious accidents	0	1	0	0
4	Number of serious injuries	0	2	0	0
5	Fatality rate per Mt. of coal production	0.00	80.80	26.93	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	14.65	4.88	0.00
7	Serious injury rate per Mt. of coal production	0.00	53.87	0.00	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	5.34	0.00	0.00

vii) M/S Jindal Steel and Power Ltd. (JSPL):

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	1	2	0
2	Number of fatalities	0	1	2	0
3	Number of serious accidents	0	0	0	0
4	Number of serious injuries	0	0	0	0
5	Fatality rate per Mt. of coal production	0.00	0.06	0.12	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	0.68	1.35	0.00
7	Serious injury rate per Mt. of coal production	0.00	0.00	0.00	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.00	0.00	0.00

viii) Jindal Power Ltd:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	1	0	0	0
2	Number of fatalities	1	0	0	0
3	Number of serious accidents	0	0	1	2
4	Number of serious injuries	0	0	1	3
5	Fatality rate per Mt. of coal production	0.19	0.00	0.00	0.00
6	Fatality rate per 3 lakh of manshifts deployed	2.12	0.00	0.00	0.00
7	Serious injury rate per Mt. of coal production	0.00	0.00	0.16	0.50
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.00	1.41	4.23

ix) M/s Monnet Ispat & Energy Ltd. (MIEL):

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	0	0	0
2	Number of fatalities	0	0	0	0
3	Number of serious accidents	0	1	0	1
4	Number of serious injuries	0	1	0	1
5	Fatality rate per Mt. of coal production	0.00	0.00	0.00	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	0.00	0.00	0.00
7	Serious injury rate per Mt. of coal production	0.00	1.08	0.00	1.08
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.51	0.00	0.51

x) GMDCL:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	0	2	0
2	Number of fatalities	0	0	2	0
3	Number of serious accidents	0	0	0	0
4	Number of serious injuries	0	0	0	0
5	Fatality rate per Mt. of coal production	0.00	0.00	0.85	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	0.00	2.62	0.00
7	Serious injury rate per Mt. of coal production	0.00	0.00	0.00	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.00	0.00	0.00

xi) GIPCL:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	0	1	0
2	Number of fatalities	0	0	1	0
3	Number of serious accidents	0	0	0	0
4	Number of serious injuries	0	0	0	0
5	Fatality rate per Mt. of coal production	0.00	0.00	0.01	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	0.00	0.15	0.00
7	Serious injury rate per Mt. of coal production	0.00	0.00	0.00	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.00	0.00	0.00

xii) M/S Jaiswal Neco Industries Ltd.:

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	0	1	0
2	Number of fatalities	0	0	1	0
3	Number of serious accidents	0	1	0	0
4	Number of serious injuries	0	1	0	0
5	Fatality rate per Mt. of coal production	0.00	0.00	2.39	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	0.00	1.33	0.00
7	Serious injury rate per Mt. of coal production	0.00	2.39	0.00	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	1.33	0.00	0.00

xiii) M/S Sarda Energy & Minerals Ltd

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	1	0	0
2	Number of fatalities	0	1	0	0
3	Number of serious accidents	0	1	0	0
4	Number of serious injuries	0	1	0	0
5	Fatality rate per Mt. of coal production	0	-	0	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0	-	0	0.00
7	Serious injury rate per Mt. of coal production	0	-	0	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0	-	0	0.00

ivx) Integrated Coal Mining Ltd.

SL. NO	Parameters	2011	2012	2013	2014
1	Number of fatal accidents	0	0	0	0
2	Number of fatalities	0	0	0	0
3	Number of serious accidents	0	0	0	0
4	Number of serious injuries	0	0	0	0
5	Fatality rate per Mt. of coal production	0.00	0.00	0.00	0.00
6	Fatality rate per 3 lakh of manshifts deployed	0.00	0.00	0.00	0.00
7	Serious injury rate per Mt. of coal production	0.00	0.00	0.00	0.00
8	Serious injury rate per 3 lakh of man shifts deployed	0.00	0.00	0.00	0.00

X) Tata Steel Ltd (Jharia Div.)

Sl. No.	Parameters	2011	2012	2013	2014
1	Number of fatal accidents,	1	0	1	0
2	Number of fatalities	1	0	1	0
3	Number of serious accidents	0	2	5	2
4	Number of serious injuries	0	2	5	2
5	Fatality rate per Mt. of coal production	0.633	0	0.644	0
6	Fatality rate per 3 lakh man shifts deployed	0.199	0	0.127	0
7	Serious injury rate per Mt. of coal production	0.000	1.301	3.22	1.397
8	Serious injury rate 3 lakh man shifts deployed.	0.000	0.237	0.635	0.254

XI) BECML:

Sl. No.	Parameter	2011	2012	2013	2014*
1	Fatal Accidents	Nil	Nil	Nil	Nil
2	Fatalities	Nil	Nil	Nil	Nil
3	Serious Accidents	01	01	Nil	Nil
4	Serious Injury	01	01	Nil	Nil
5	Fatality rate per million tonne of coal production	0.000	0.000	0.000	0.000
6	Fatality rate per three lakh man-shifts deployed	0.000	0.000	0.000	0.000
7	Serious injury rate per million tonne of coal production	0.30	0.30	0.000	0.000
8	Serious injury rate per three lakh man-shifts deployed	0.20	0.20	0.000	0.000

4: Fatal accidents, fatalities, serious accidents and serious injuries during last 3 years in SCCL/NLC/Other companies

Company	fatal accidents				fatal fatalities				serious accidents				serious injuries			
	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014	2011	2012	2013	2014
SCCL	8	11	11	8	8	12	12	9	319	339	364	270	320	341	369	271
NLC	2	4	-	2	2	4	-	2	5	5	3	2	5	5	3	2
GIPCL	-	-	1	-	-	-	1	-	-	-	-	-	-	-	-	-
GMDCL	-	-	4	-	-	-	4	-	-	-	-	-	-	-	-	-
IISCO	1	1	2	1	1	1	2	1	2	-	1	-	3	-	1	-
ICML	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JPL	1	-	-	-	1	-	-	-	-	-	1	2	-	-	1	3
BLMC	-	1	-	5	-	1	-	5	-	-	-	-	-	-	-	-
Ms. ECL	-	3	1	-	-	3	1	-	-	1	-	-	-	2	-	-
JNL	-	-	1	-	-	3	1	-	-	1	-	-	-	2	-	-
JSPL	-	1	2	-	-	1	2	-	-	-	-	-	-	-	-	-
SEML	-	1	-	-	-	1	-	-	-	1	-	-	-	1	-	-
TISCO	3	-	2	2	3	-	2	2	-	2	1	5	-	2	1	5
MIEL	-	-	-	-	-	-	-	-	-	1	-	1	-	1	-	1

5: Cause wise, fatal accidents and fatalities during last 3 years and the current year SCCL/NLC/Other companies

company	year	roof fall/side fall	haulage, winding, Conveyor		trucks/dumpers		non-transport M/C		explosives		electricity		others		total		
			A	F	A	F	A	F	A	F	A	F	A	F	A	F	
SCCL	2011	4	4	1	1	1	1	-	-	-	-	-	2	2	8	8	
	2012	2	2	1	1	3	3	2	2	-	-	-	3	4	11	12	
	2013	1	2	-	-	4	4	1	1	-	-	1	1	4	4	11	12
	2014	3	4	-	-	2	2	1	1	-	-	-	-	2	2	8	9
NLC	2011	-	-	-	-	1	1	-	-	-	-	-	1	1	2	2	
	2012	-	-	2	2	-	-	2	2	-	-	-	-	-	4	4	
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2014	-	-	-	-	-	-	1	1	-	-	-	1	1	2	2	
GIPCL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2013	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	
	2014	-	-	-	-	1	1	-	-	-	-	-	-	-	-	-	
GMDC	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2013	-	-	-	-	2	2	2	2	-	-	-	-	-	4	4	
	2014	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	
IISCO	2011	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	
	2012	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	
	2013	1	1	-	-	-	-	-	-	-	-	-	1	1	2	2	
	2014	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	
ICML	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
JPL	2011	-	-	-	-	1	1	-	-	-	-	-	-	-	1	1	
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

BI MCI	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	4	4	1	1	-	-	-	-	-	-	-	5	5	-
M/S ECL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	2	2	-	-	1	1	-	-	-	-	-	3	3	-
	2013	-	-	-	-	-	-	-	-	1	1	-	-	-	1	1	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M/S JNIL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	1	1	-	-	-	-	-	-	-	-	-	1	1	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
JSPL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-
	2013	-	-	2	2	-	-	-	-	-	-	-	-	-	2	2	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
S/FMI	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TISCO	2011	-	-	1	1	1	1	-	-	1	1	-	-	-	3	3	-
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	1	1	-	-	-	-	-	1	1	2	2	-

A: No. of accident F: Fatalities Figures for 2014 are upto 31.12.2014 and provisional.

6: Cause wise, serious accidents and serious injuries during last 3 years in SCCL/NLC/Other companies

company	year	roof fall/ side fall		haulage, winding, Conveyor	Trucks /dumpers		non-transport M/C		explosives		electricity		others		total		
		A	I		A	I	A	I	A	I	A	I	A	I	A	I	
SCCL	2011	24	25	44	44	3	3	15	15	1	1	1	1	231	231	319	320
	2012	21	22	42	43	6	6	6	6	0	0	2	2	262	262	339	341
	2013	19	19	53	54	8	9	16	16	1	1	1	4	266	266	364	369
	2014	22	22	32	32	4	4	10	11	2	2	1	1	199	199	270	271
NLC	2011	-	-	-	-	3	3	1	1	-	-	-	-	1	1	5	5
	2012	-	-	2	2	-	-	2	2	-	-	-	-	1	1	5	5
	2013	-	-	1	1	2	2	-	-	-	-	-	-	-	-	3	3
2014	-	-	2	2	-	-	-	-	-	-	-	-	1	1	2	2	
IISCO	2011	1	1	-	-	-	-	-	-	-	-	-	-	1	2	2	3
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M/S ECL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	1	-	-	-	1	1	1	2
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M/S JNIL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
M/s MSEL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	1	1	-	-	-	-	-	-	-	-	-	-	-	-	1	1
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1
M/S SEML	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1
	2013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TSCO	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	2	2	-	-	-	-	-	-	-	-	-	-	-	-	2	2
	2013	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1
	2014	1	1	-	-	-	-	-	-	-	-	-	-	3	3	5	5
JPL	2011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1
	2014	-	-	-	-	1	1	-	-	-	-	-	-	-	-	2	3

A: No. of accident I: No. of serious injuries Note: Figures for 2014 are upto 31/12/14 and Provisional

Table 7: Place-wise fatal accidents and fatalities during the last 3 years in SCCL/NLC/Other Companies

Company	Year	underground		opencast		surface		total	
		accident	fatality	accident	fatality	accident	fatality	accident	fatality
SCCL	2011	5	5	2	2	1	1	8	8
	2012	4	5	6	6	1	1	11	12
	2013	2	3	6	6	3	3	11	12
	2014	6	7	1	1	1	1	8	9
NLC	2011	-	-	2	2	-	-	2	2
	2012	-	-	3	3	1	1	4	4
	2013	-	-	-	-	-	-	-	-
GIPCL	2011	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-
	2013	-	-	1	1	-	-	1	1
GMDC	2011	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-
	2013	-	-	4	4	-	-	4	4
IISCO	2011	-	-	1	1	-	-	1	1
	2012	-	-	1	1	-	-	1	1
	2013	1	1	1	1	-	-	2	2
ICML	2011	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-
JPL	2011	-	-	1	1	-	-	1	1
	2012	-	-	-	-	-	-	-	-
	2013	-	-	-	-	-	-	-	-
M/S BLMC	2011	-	-	-	-	-	-	-	-
	2012	-	-	-	-	1	1	1	1
	2013	-	-	-	-	-	-	-	-
M/S ECL	2011	-	-	5	5	-	-	5	5
	2012	1	1	1	1	1	1	3	3
	2013	-	-	-	-	1	1	1	1
M/S JNHL	2011	-	-	-	-	-	-	-	-
	2012	-	-	-	-	-	-	-	-
	2013	-	-	1	1	-	-	1	1
M/S JSPL	2011	-	-	-	-	-	-	-	-
	2012	-	-	1	1	-	-	1	1
	2013	-	-	2	2	-	-	2	2
M/S SEML	2011	-	-	-	-	-	-	-	-
	2012	-	-	1	1	-	-	1	1
	2013	-	-	-	-	-	-	-	-
TISCO	2011	-	-	-	-	-	-	-	-
	2012	1	1	2	2	-	-	3	3
	2013	1	1	1	1	-	-	2	2
	2014	1	1	1	1	-	-	2	2

Note: Figures for 2014 are upto 31/12/14 and Provisional

Table 8: Place-wise rate of fatalities per million ton of coal production and 3 lakh manshift deployed during the last 3 years in SCCL/NLC/Other Companies

Company	year	Per M. Te		Per 3 lakh manshift	
		underground	Opencast	underground	opencast
SCCL	2011	0.57	0.05	0.18	0.14
	2012	0.43	0.14	0.14	0.40
	2013	0.37	0.15	0.12	0.48
	2014	0.70	0.02	0.23	0.07
NLC	2011	-	0.08	-	0.13
	2012	-	0.16	-	0.28
	2013	-	0.00	-	0.00
	2014	-	0.8	-	0.15
Gujarat Industries Power Company Limited	2011	-	-	-	-
	2012	-	-	-	-
	2013	-	0.50	-	2.72
	2014	0.00	0.00	0.00	0.00
Gujarat Mineral Development Corpn. Ltd.	2011	-	-	-	-
	2012	-	-	-	-
	2013	-	0.33	-	2.13
	2014	0.00	0.00	0.00	0.00
Indian Iron & Steel Company Ltd.	2011	-	1.83	0.00	1.66
	2012	-	1.83	0.00	1.66
	2013	3.79	1.83	1.13	1.66
	2014	-	1.83	-	1.66
M/S Electrosteel Castings Limited	2011	-	-	-	-
	2012	26.93	-	7.98	-
	2013	-	-	-	-
	2014	0.00	0.00	0.00	0.00
M/S Jaiswal Neco Industries Ltd.	2011	-	-	-	-
	2012	-	-	-	-
	2013	-	5.44	-	7.69
	2014	0.00	0.00	0.00	0.00
Integrated Coal Mining Ltd.	2011	-	-	-	-
	2012	-	-	-	-
	2013	-	-	-	-
	2014	0.00	0.00	0.00	0.00
Jindal Power Limited	2011	-	0.06	-	3.01
	2012	-	-	-	-
	2013	-	-	-	-
	2014	0.00	0.00	0.00	0.00
Tata Iron & Steel Co. Ltd.	2011	0.66	0.22	0.18	1.32
	2012	0.00	0.00	0.00	0.00
	2013	0.66	0.11	0.18	0.66
	2014	0.66	0.11	0.18	0.66
M/S Barmer Lignite Mining Co. Ltd.	2011	-	-	-	-
	2012	-	-	-	-
	2013	-	-	-	-
	2014	0.64	-	0.56	-

Table 9: Placewise rate of serious injuries per million ton of coal production and 3 lakh manshifts deployed during the last 3 years in SCCL/NLC/Other companies

Company	year	Per M. Te		Per 3 lakh manshift	
		underground	opencast	underground	opencast
SCCL	2011	27.24	0.65	8.68	1.78
	2012	25.31	0.61	8.19	1.72
	2013	28.47	1.14	8.98	3.58
	2014	23.45	0.60	7.70	1.82
NLC	2011	-	0.21	-	0.33
	2012	-	0.20	-	0.35
	2013	-	0.11	-	0.21
	2014	-	0.08	-	0.15
Indian Iron & Steel Company Ltd.	2011	7.58	1.83	7.54	5.54
	2012	-	-	-	-
	2013	-	1.83	-	5.54
	2014	0.00	0.00	0.00	0.00
M/S Electrosteel Castings Limited	2011	-	-	-	-
	2012	53.87	-	15.96	-
	2013	-	-	-	-
	2014	0.00	0.00	0.00	0.00
M/S Jaiswal Neco Industries Ltd.	2011	-	-	-	-
	2012	4.26	-	1.87	-
	2013	-	-	-	-
	2014	0.00	0.00	0.00	0.00
M/s Monnet Ispat & Energy Ltd.	2011	-	-	-	-
	2012	1.08	-	0.58	-
	2013	-	-	-	-
	2014	1.08	0.00	0.00	0.00
Jindal Power Limited	2011	-	-	-	-
	2012	-	-	-	-
	2013	-	0.06	-	3.01
	2014	-	-	-	-
Tata Iron & Steel Co. Ltd.	2011	-	-	-	-
	2012	1.33	-	1.22	-
	2013	0.66	-	0.61	-
	2014	3.31	0.00	0.37	-

3. Figures for 2014 are upto 31/12/14 and Provisional

4. Rates have been calculated for the companies for which production/manshift figures are available

Analysis of major accidents that occurred during last 1 year and status of enquiry & Action Taken

In India, there is no statutory definition for the major mine accident. However, the Gugnani Committee had earlier classified the mine accident into three categories; namely, Disaster (involving 10 or more persons), High fatality accident (involving 4 to 9 persons) and low fatality (involving 3 or less persons).

In 2014, there is no incidence of major accident in CIL. However, there are two fatal accidents involving multiple fatalities (i.e. two fatalities) in CIL. The brief details of those two fatal accidents are as under:

SL No- 1

Company: WCL
Mine : Makardhoda OCP
Area : Umrer
Date of the accident: 17.07.2014
Nos. of fatalities : 2 (Two)

Brief details of the accident: On 17.07.2014, the first shift started at 5 am and working of the mine was in normal progress. Initially, two hydraulic excavators and six dumpers were in operation upto 11.45 am.

The 250 hrs. engine maintenance of BE-1000 excavator was being done in association with a team of BEML service personnel. At about 11.45 am, this excavator (BE-1000) was handed over for production and the service team of this excavator went to the canteen for lunch and decided that they will come back in the mine to check the performance of BE-1000 excavator. Thus, now the mine has 3 excavators and 10 dumpers in operation.

Dumper no. BH 50 3168, operated by Shri Vijay Kamilla was engaged to take OB load from excavator no. BEML-063 in Sector C. This dumper had already taken 6 loads of OB and at around 12.45 PM, it was carrying the 7th Load of OB from excavator no. BEML - 063. The loaded dumper was moving up the gradient towards the dump.

At the same time, one Tata SUMO - MH-40-N7030 driven by Shri Raju Tula Turi was coming down the gradient in the same haul road towards the working face of sector C. This Tata Sumo was carrying Late Pramod Nagrare, EP fitter, Shri Ajay Khangar, EP fitter, Shri Devendra Singh and Late Ashok Bhurrewar of BEML service team. They were going inside the mine to check the engine performance of excavator BE-1000.

At about 12.50 PM, while moving up the gradient and negotiating a sharp hair pin bend with acute angle, the loaded dumper BH 50 3168, operated by Shri Vijay Kamilla collided with the Tata SUMO- MH-40-N7030 driven by Shri Raju Tula Turi which was coming down the same haul road. The dumper crushed the LMV and dragged it up the gradient to a distance of about 30 mts, killing Late Pramod Nagrare, EP fitter (who was trapped inside the crushed Tata Sumo and Late Ashok Bhurrewar of BEML service team (who was crushed beneath the rear right side tyre of the dumper. The others present inside the LMV somehow escaped with injuries.

On the basis of preliminary inquiry report and final enquiry report,

Shri R.S.Kainth, Sub Area Manager / Agent was initially suspended and subsequently chargesheet under Rule 29 (major penalty) of CDA Rules- 1978 of CIL was issued to him. Disciplinary enquiry is under process.

Show cause notice were issued to the following four executives and their reply is under scrutiny.

- (1) Shri S.D.Shukla, Chief Manager (Mining) / Area Safety Officer, Umrer Area;
- (2) Shri H.R.Bawariya, Sr. Manager (Mining) / Mine Manager;
- (3) C.K.Jain, Sr. Manager (Mining) / Safety Officer and
- (4) Shri M.M.Mashidkar, Dy.Manager (Mining) / General Shift Incharge of Sector 'C'.

The following two persons were also held responsible in the final ISO inquiry. Disciplinary action is being taken against them,

- (1) Shri Vijay Kamilla, dumper operator of BH 50 3168
- (2) Shri Raju Talaturi, driver of LMV (Tata SUMO) MH-40-N7030

Sl. No. 2

Company: SECL
Mine: Dhanpuri OCM,
Area: Sohagpur
Date of Accident : 01.07.2014.
Number of fatalities : 2 (two)

Brief details of accident:

On dated 01.07.2014, during recovery of already drowned 60 Te Dumper at old Amlai Quarry by engaging 02 Dozers and one 60 Te Crane, at around 12.15 PM, OB dump slide in contact with water, occurred over which the Crane was standing and persons were working.

Shri Khajanti Gupta, EPGH, Sri Rama Shankar Vishwakarma, a contractual worker were drowned into water alongwith the Crane.

Rescue & recovery operation for the above two persons was taken up with the help of National Disaster Response Force (NDRF), Indian Navy along with the help of Local Police and Civil Administration. Even after all possible efforts from 07.07.2014 to 12.07.2014 using different techniques, the bodies could not be recovered.

SECI. Management deputed a high level committee consisting of DGMS officials, Academic Scholars, Representatives of State Administration & Police, Representatives of Trade Unions along with senior level Executives of the Company to take stock of the situation.

The Committee after inspecting the site and assessing the situation decided to stop all operations of rescue and recovery due to safety reasons.

SECI. management decided to go along with the opinion of the committee.

DGMS has issued show cause notice to following persons in the above accident

1. Shri A.K.Singh, Manager(Excv.)
2. Shri Gitendra Deep, Sr.Manager(Excv)
3. Shri A.K.Banerjee, Dy.GM(Excv.)
4. Shri Anurag Shekhar Dubey, Sr.Manager(Min.)OB Incharge.
5. Shri P.P.Gupta, Colliery Manager of Dhanpuri OCM
6. Shri A.S.Babu, GM(Min.) / Agent of Dhanpuri OCM

Risk Assessment & Safety Management Plan (SMP)

1. COAL INDIA LIMITED (CIL):

(i) Nos of mines covered: Risks assessment in a coal mine is an on-going / continuous process. Risk assessment has been done in all mines of CIL and Safety Management Plans (SMP)s have been prepared accordingly.

(ii) Major activities covered:

- Some of the major activities covered as per SMP for underground mines are:
 1. Strata Management
 2. Fire / Spontaneous Heating Management
 3. Water Danger Management
 4. UG Transport Operations
 5. Gas Monitoring
 6. Drilling & Blasting operation
 7. Coal Loading Operation
 8. Material Handling Operation
- Some of the major activities covered as per SMP for opencast mines are:
 1. HEMM Operations
 2. Transport Management
 3. OB Dump Management
 4. Drilling & Blasting Management
 5. Contractual Job Management
 6. Risks associated with use of electricity

(iii) Action taken so far:

- Training for preparation of Risk Assessment based SMP: Executives who have been trained by SIMTARS, Australia are engaged for imparting training and upgrading the knowledge of mine level executives to identify the hazards and evaluate the associated risks in the mines and prepare the Risk assessment based Safety Management Plans (SMP).
- Preparation of Risk Assessment based SMP: On the basis of training being imparted, the Risk assessment based Safety Management Plans (SMPs) have been prepared for all mines of CIL.
- Review of SMPs: SMPs are being reviewed by SIMTARS accredited executives of CIL for further modification and improvement.
- Implementation of SMP: Control measures proposed in the Risk assessment based Safety Management Plans (SMPs) are being implemented.

2. THE SINGARENI COLLIERIES COMPANY LTD. (SCCL):

a. No. of mines covered, b. Major activities completed & c. Action taken.

- Risk Assessment and Management Plan (RAMP) are prepared for all the mines.
- Monthly and quarterly meetings are being held by the concerned committee. The RAMP is being up dated accordingly on the recommendations of the committee.
- Near miss cases are analyzed thoroughly and suitable remedial measures are being taken by the concerned.

3. NEYVELI LIGNITE CORPORATION (NLC):

The Risk Assessment, Occupational Health and Safety Audit for NLC Mines were carried out in the year 2003, 2007 and 2012 by accredited External Agency.

(i) Number of Mines Covered.

The number of Mines covered for carrying out the Risk Assessment, Occupational Health and Safety Audit are Mine-I and Mine-II.

(ii) Major activities completed

In respect of above study, a working document 'Safety Management Plan' had been brought out and distributed to the operation / Maintenance areas of NLC Mines and recommendations are implemented.

A well laid Emergency Preparedness Plan / Pre Monsoon Action Plan is being prepared for every Mine every year to take care of any emergency situation. NLC has obtained certification for all the Mines as under and the stipulated norms in the certifications are being maintained.

Quality Management System ISO 9001: 2000.

Environment Management System ISO 14001: 2004.

Occupational Health and Safety Assessment Series – OSHAS 18001: 1999.

(iii) Action Taken

- a) Area wise responsibility with priority to Safety is being enforced at all Mine Operational / Maintenance Activities for ensuring specific site supervision.
- b) All-important operation/ maintenance of the 'Specialized Mining Equipments' have formulated / modeled / Codified Safe Work Practices, approved by DGMS and the same is being followed in all spheres of activities.
- c) Daily / Regular / Periodical Maintenance check lists for the "Specialized Mining Equipments" had been prepared and enforced for strict compliance.
- d) Inter Unit Safety Assessments are being carried out for every quarter to assess safety standards maintained as per statute.

- e) Systematic in-depth Accident Analysis is being done and counseling of near miss / Serious Accident Victims is being done for accident prevention / to avert recurrence of accidents.
- f) Commitment on inculcating Safety Awareness by way of imparting adequate / need based training with new training modules to all employees and the Compulsory Training for all categories of employees, including the contract employees before their deployment in Shop Floor and in their assigned working areas. In addition to the above work related specific job training / refresher training are also being imparted to all categories of employees.
- g) Safety Status / Safety Performance of every activity is being monitored / reviewed under the statutory framework.
- h) Continuous monitoring of behavioral sense / attitude / commitment of employees towards Safety is being done.

4. TATA STEEL LIMITED , JHARIA DIVISION:

Risk Assessment and hazard identification has been done as per DGMS guideline.

In all the 5(five) Underground Mines of Jharia Division as well as Open Cast mines of West Bokaro. Safety management plan has been made. Hazards associated with them were evaluated and action plans drawn to derisk the activities.

LHD have been introduced to replace SDL machined to reduce the exposure of the persons at hazardous place. One LHD machine replaced 2 SDL machines. Manual loading have been replaced with SDL machines. Manriding has been installed to reduce the fatigue of the employees. New higher capacity booster fan has been installed, and staples pits were made to improve the ventilation. Nitrogen plants have been installed in all the mines. Telemonitoring have been installed in all the collieries. Cable bolting have been started to improve the support. Pucca pathway have been made in traveling roadway to prevent slip/fall of persons. UDM machines have been deployed for face drilling and roof bolting.

5. TATA STEEL LIMITED , WEST BOKARO:

Risk Assessment Methodology of OHSAS-18001-2007 version (Occupational Health & Safety Assessment Series) has been adopted in West Bokaro Division including all Opencast Mine.

Critical areas and critical activities were identified. Hazards associated with them were evaluated and action plans has been made to make the activities safe. Also actions have been taken in the areas of fall of persons, Operation and Maintenance of HEMM, Fly rock during blasting , Belt Conveyor, Dump yard and transportation of material, as these were identified as major risk .

6. **GMDC:** No. of Mines covered: 5 mines
 Major activities completed : Risk Assissment and Management plan prepared and approved.

Action Taken: RAMP implemented.

7. **DVC BERMO MINES :** We own only one mines i.e, DVC BERMO MINES
 Risk assessment has been made and for management, are in line with B&K Area of CCL. As the Collieries of B&K Area are bordering our mines.

AGENDA ITEM NO –VII

Requirement of Statutory Manpower and steps taken to fill up the shortage

1. COAL INDIA LIMITED (CIL):

Company	Category	Appointment made during			Requirement as on 31.03.14	Existing as on 31.03.14
		2012-13	2013-14	2014-15		
ECL	1 st class ACM	5	41	6	300	384
	2 nd class Asst. Manager	40	15	0	585	316
	Overman	12	5	0	1151	1059
	Mining sirdar	46	115	6	1614	1054
	Surveyor	6	24	2	227	188
BCCL	1 st class ACM	0	0	0	125	109
	2 nd class Asst. Manager	0	0	0	419	256
	Overman	0	36	0	733	666
	Mining sirdar	0	23	0	914	588
	Surveyor	0	5	0	116	133
CCL	1 st class ACM	0	0	0	217	177
	2 nd class Asst. Manager	28	14	0	370	240
	Overman	114	187	0	797	461
	Mining sirdar	67	91	0	1059	511
	Surveyor	25	19	0	238	178
NCL	1 st class ACM	0	0	0	187	159
	2 nd class Asst. Manager	0	0	22	146	135
	Overman	0	0	0	445	286
	Mining sirdar	0	0	0	142	111
	Surveyor	0	0	0	44	45
WCL	1 st class ACM	0	0	0	252	457
	2 nd class Asst. Manager	0	0	0	473	326
	Overman	0	0	0	928	787
	Mining sirdar	108	63	14	1262	1058
	Surveyor	1	0	0	180	159
SECL	1 st class ACM	0	0	0	396	542
	2 nd class Asst. Manager	0	0	0	563	408
	Overman	0	0	0	1357	1082
	Mining sirdar	165	2	265	2266	1743
	Surveyor	0	0	0	155	137
MCL	1 st class ACM	0	0	0	288	259
	2 nd class Asst. Manager	16	13	0	258	325
	Overman	116	0	0	619	489
	Mining sirdar	75	0	31	564	369
	Surveyor	16	0	2	139	110
NEC	1 st class ACM	0	0	0	13	13
	2 nd class Asst. Manager	0	0	0	23	8
	Overman	0	0	0	64	26
	Mining sirdar	0	0	0	116	79
	Surveyor	0	0	0	8	8

Note: In last 3 years, CIL has recruited 565 nos. of MT (Mining) over and above promotion of 326 nos. of departmental candidates which would make up the deficit in availability in 2nd class Asst. Managers.

2. THE SINGARENI COLLIERIES COMPANY LTD. (SCCL):

- Recruitment and promotion is a continuous process. This is being reviewed twice a year keeping in view of retirement/ resignation etc., and in addition to this process, recruitment also made as and when requirement arises to carryout mining operations safely.
- The educated persons are not showing interest in acquiring mining statutory certificates. They are being counseled and interested persons are being imparted with intensive coaching.
- Recruitment of identified dependent candidates who are technically qualified/ passed intermediate without keeping them in live roaster, to impart necessary training for acquiring the certificates.
- The requirement and existing strength of statutory manpower is furnished below:

Category	Existing as on 31.03.2012	Existing as on 31.03.2013	Requirement as on 31.03.2013	Existing Strength as on 31.03.2014
Asst. Manager (1 st Class)	394	419	368	438
Asst. Manager (2 nd Class)	443	453	494	401
Overman	1200	1124	1052	1056
Mining Sirdar	1387	1283	690	1168
Surveyor	182	173	193	176

Recruitments are in process:

1. 100 MGTs through external and 33 from internal candidates possessing Graduates/AMIE in Mining. 26 SMMC field candidates are already appointed as Under Managers.
2. Surveyor: 36 Graduates are undergoing training to appear for Surveyor Examination. 45 Graduates recruitment is in process.
3. JMETS(MS/SF): 767 diploma in mining through external to fulfill the shortage of MS/SF.

3. NEYVELI LIGNITE CORPORATION (NLC):

NLC operates only opencast Lignite Mines and hence there should be an amendment in CMR to sort out short fall in statutory personnel in particular under Overman and Sirdar categories. However, the details of statutory personnel required as per DDMS, Chennai, availability and shortfall/Excess are detailed below:

Category	Requirement	Existing	Shortfall (-) / Excess (+)
Asst. Manager (1 st Class / 2 nd Class)	135	134	(-) 1
Overman	235	33	(-) 202
Surveyor	21	13	(-) 8
Sirdar	235	-	(-) 235

Steps taken to fill up the shortages:

NLC is regularly taking action for recruitment of Mining Engineers through campus interviews and also by press notifications. Due to continuous efforts, NLC is having now 134 Mining Engineers holding First Class and Second Class Certificate of Competency under CMR 1957 and hence the shortfall is only 1

Further NLC is regularly deputing the Graduate Mining Engineers to Underground Coal Mines of Coal India Limited for undergoing practical training and after obtaining the statutory certificates they are being authorised in Mines to discharge all statutory duties.

i) With reference to Overman, Press Notifications were issued in 2005, 2009, 2010 and 2012, but there was poor response and only few people have joined and some of them left NLC.

ii) Presently, we have 33 Nos. of Overmen working in all the Mines of NLC. Though NLC is continuously making efforts for recruiting Overmen, attrition is found to be more due to notional feeling of cultural and social differences among the recruits as most of them are hailing mainly from Northern parts of India. NLC will continue to make further attempts for recruitment of Overman to meet the shortfall. NLC is proposed to recruit fresh Diploma Mining Engineers and send them for Underground Training in Coal Mines to obtain the Overman's Certificate of Competency as required under statute. Based on the above, Press Notification is issued under Advt. No. 07/2014 for the recruitment of 157 Junior Engineer (Mining) to make up the shortfall.

iii) In connection with the postings of Mining Sirdar, it was informed to DGMS that NLC is having highly mechanised Mines adopting continuous Mining System by deploying Specialised Mining Equipments of Bucket Wheel Excavators, series of Conveyors and Spreaders. NLC has posted a good number of Mechanical and Electrical Engineers possessing Diploma/Degree qualification and assigned the jobs to supervise the working areas of men and machines. Sirdars with Matriculation qualifications will not be able to perform and have effective control of the work of high sophisticated machineries.

iv) We have furnished certain details as sought by DGMS with a request to exempt NLC from the provisions of appointment of Mining Sirdars and the request of NLC is under examination of DGMS.

5. TATA STEEL LIMITED , JHARIA DIVISION:

The following requirement of statutory Manpower and Steps taken to fill up the shortage:

category	Appointment made during 2012-13	Existing as on 31.3.2014	Requirement as on 31.3.14	Existing strength as on 31.3.14
Asst. Mgr. (1-st class)	0	19	15	19
Asst. Mgr. (2-nd class)	2	34	25	34
Over man	7	114	88	114
Mining Sirdar	11	204	155	204
Surveyor	0	3	6	3

There is no shortage of statutory manpower in Tata Steel.

4. TATA STEEL LIMITED , WEST BOKARO:

Requirement of statutory manpower and steps taken to fill up the shortage of TATA Steel Ltd. West Bokaro division is given below:

Category	Appointment made during 2013-14	Existing as on 31.12.2013	Requirement as on 31.12.2014	Existing strength As on 31.12.2014
Asst. Mgr. (1-st class)	00	05	05	09
Asst. Mgr. (2-nd class)	02	17	13	16
Over man	00	35	33	31
Mining Sirdar	04	34	35	36
Surveyor	00	03	02	02

5. **GMDC:** To fill up the shortage of statutory manpower, it is in process of recruiting the statutory manpower to fill up the shortage.

6. DVC BERMO MINES :

There is a shortage of Overman and our DVC HQ Kolkata are processing for the recruitment and in the mean time we have engaged Graduate Engineer (Mining) in shift and other place till new recruitment of Overman.

7. GIPCL:

Category	Appointment made during 2013-14	Existing as on 31-03-2014	Requirement as on 31-03-2014	Existing strength as on 31-03-2013
Asst. Manager (1 st Class)	1	4	4	3
Asst. Manager (2 nd Class)	3+5***	17+3***	20	16+2***
Over Man	3+3**	22+2**	29	24
Mining Sirdar	NA	NA	NA	NA
Surveyor	1	5	5	4

** Diploma Trainee DOT (Mining)

*** GET Graduate Engineer Trainee (Mining)

8. **JPL:** The following requirement of statutory Manpower and Steps taken to fill up the shortage

Category	Appointment made during the Year 2013-14	Existing as on 31.11.2014	Requirement as on 31.10.2014	Shortage / Surplus as on 31.10.2014
Asst. Manager (1 st Class)	1	8	9	-01
Asst. Manager (2 nd Class)	2	12	14	-02
Overman	3	28	38	-10
Mining Sirdar	9	19	19	0
Surveyor	1	4	6	-02

9. **JSPL:** The following requirement of statutory Manpower and Steps taken to fill up the shortage:

Category	Appointment made during the Year 2013-14	Existing as on 31.10.2014	Requirement as on 31.10.2014	Shortage / Surplus as on 31.10.2014
Asst. Manager (1 st Class)	2	4	7	-3
Asst. Manager (2 nd Class)	1	8	16	-8
Overman	2	34	18	+16
Mining Sirdar	1	7	44	-37
Surveyor	1	5	6	-1

10. **PANEM:**

Category	Appointment made during 2013-14	Existing as on 01.12.2014	Requirements as on 01.12.2014	Surplus/ Shortfall
Manager	NIL	01	01	--
Safety Officer	NIL	01	01	--
Asst. Manager (1 st Class)	NIL	01	01	--
Asst. Manager (2 nd Class)	03	11	08	+3
Engineer	NIL	03	03	--
L.W.O.	NIL	01	01	--
Over Man/Mining Sirdar	1	22	21	+1
Surveyor	NIL	02	02	--

11. **BECML:**

Category	Appointment made during 2013-14	Existing as on 01.12.2014	Requirements as on 01.12.2014	Surplus/ Shortfall
Asst. Manager (1 st Class)	NIL	01	1	--
Asst. Manager (2 nd Class)	03	10	08	+2
Over Man	02	22	20	+2
Mining Sirdar	NIL	11	09	+2
Surveyor	01	04	03	+1

12. ICML:

Category	Existing as on 30.11.2014.	Requirement as on 30.11.2014.
Asst. Manager (1 st Class)	2	2
Asst. Manager (2 nd Class)	8	8
Overman	21	19
Mining Sirdar	19	20
Surveyor	3	3
Colliery Engineer	1	1
Welfare Officer	1	1
Workmen Inspector (mining, mechanical, electrical)	3	3
Electrical Supervisor	1	1

AGENDA ITEM NO –VIII

Safety Budget and its utilisation

1. COAL INDIA LIMITED (CIL):

Year: 2011-12

(Amount in Rs. Lakh)

Company	Capital		Revenue	
	Budget	Expenditure	Budget	Expenditure
ECL	2013.00	1440.00	15495.00	12095.00
BCCL	2174.00	815.00	22163.71	22000.00
CCL	974.62	549.49	1629.00	1562.50
NCL	543.00	40.37	#	3531.04
WCL	728.00	220.92	8800.00	8509.39
SECL	2000.00	1975.00	16214.00	11789.00
MCL	1083.72	417.26	#	4218.54
NEC	116.03	115.24	70.00	65.25
CIL(Total)	9632.37	5573.28	64371.71	63770.72

: Included in Composite Revenue Budget of the respective Area

Year : 2012-13

(Amount in Rs. Lakh)

Company	Capital		Revenue	
	Budget	Expenditure	Budget	Expenditure
ECL	2988.00	2239.00	13804.00	11253.00
BCCL	2820.00	1670.00	26400.00	26400.00
CCL	1039.83	565.84	1890.00	1605.00
NCL	458.00	433.00	#	3311.40
WCL	2565.00	131.29	8800.00	8985.00
SECL	1317.00	43.00	17754.33	17746.76
MCL	442.09	305.04	#	4325.50
NEC	49.00	34.41	70.00	61.58
CIL (Total)	11678.92	5421.58	68718.33	73688.24

: Included in Composite Revenue Budget of the respective Area

Year : 2013-14

(Amount in Rs Lakh)

Company	Capital		Revenue	
	Budget	Expenditure	Budget	Expenditure
ECL	4316.00	4136.00	15252.00	13200.00
BCCL	3585.46	1654.00	26400.00	26240.00
CCL	1225.22	578.84	2129.49	1253.11
NCL	614.00	5.92	6715.55	4525.64
WCL	325.00	376.3	8800.00	9133.45
SECL	2600.00	950.27	#	15353.00
MCL	1141.58	970.34	#	4578.30
NEC	150.67	37.30	160.00	47.05
CIL (Total)	13957.93	8708.97	59457.04	74330.55

: Included in Composite Revenue Budget of the respective Area

Year : 2014-15

(Amount in Rs Lakh)

Company	Capital		Revenue	
	Budget	Expenditure	Budget	Expenditure
ECL	10245.00	7249.00	15291.00	9890.00
BCCL	2524.38	2034.65	35495.33	15020.10
CCL	1162.65	420.58	2271.11	1185.77
NCL	21.00	0.34	2001.00	1509.03
WCL	453.00	167.3	8800.00	5900.00
SECL	2000.00	61.00	#	7607.69
MCL	961.44	312.54	#	3833.00
NEC	111.59	11.90	48.00	7.00
CIL (Total)	17479.06	10257.31	63906.44	44952.59

#: Included in Composite Revenue Budget of the respective Area

2. THE SINGARENI COLLIERIES COMPANY LTD. (SCCL):

(Rs. In lakhs)

Year	Capital A/c.		Revenue A/c.	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	2546	644	80874	56811
2012-13	1100	1085	81712	71053
2013-14	1478	531	74617	72472
2014-15	804	386(upto Oct.2014)	45703	42342(upto Oct., 2014)

There is no dearth of funds on capital and revenue related safety issues.

Required funds to the full extent are provided depending/basing on the requirement and reviewed periodically.

3. NEYVELI LIGNITE CORPORATION (NLC):

As far as NLC is concerned, separate Safety Budget Provisions are made available when Annual Plan is drawn up for Capital and Revenue Budget.

There is no financial constraint so far at NLC to meet out the requirements on 'Safety Related Activities'. The Safety Budget provision made and the actual expenditure incurred under Capital and Revenue budget are as detailed below:

Amount in Rs. Lakhs.

Year	Capital		Revenue	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	368.00	160.00	400.00	306.77
2012-13	280.00	130.00	400.00	400.00
2013-14	200.00	150.00	400.00	398.00
2014-15 (upto November 2014)	181.25	About 70.00	500.00	About 400.00

4. TATA STEEL LIMITED , WEST BOKARO:

There is no budgetary restriction on expenditure for safety. Whatever is necessary for safety is being spent without any limitation.

5. TATA STEEL LIMITED , JHARIA DIVISION:

There is no budgetary restriction on expenditure for safety. Whatever is necessary for safety is being spent without any limitation.

6. GMDC:

(Amount in Rs Lakhs)

Year	Capital A/C		Revenue A/C	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	30.00	42.225	57.78	54.33
2012-13	32.00	46.87	70.00	67.66
2013-14	56.35	51.87	99.55	85.57
2014-15	81.00	27.67	105.16	66.18

7. GIPCL:

Year	Capital A/C's (Rs in Lac)		Revenue A/C's (Rs in Lac)	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	259.80	152.23	241.71	189.46
2012-13	280.00	136.69	301.00	253.01
2013-14	119.50	16.24	414.98	417.63
2014-15	177.00	207.30	491.58	353.93

figures are up to 30-11-2014 for the year 2014.

8. DVC BERMO MINES :

Sufficient budget provision is available for expenditure on safety and for procurement of safety items /equipment. The fund available in Safety budget is properly utilized. No Safety work has so far been hampered due to non-availability of budget.

Utilization /expenditure on Safety:-

Year	Capital A/C		Revenue A/C	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2010-11	NIL	NIL	Rs. 7 lakh	Rs. 6.00 lakh
2011-12	NIL	NIL	Rs. 7 lakh	Rs. 6.00 lakh
2012-13	NIL	NIL	Rs. 7 lakh	Rs. 4.00lakh.
2013-14	NIL	NIL	Rs. 7 lakh	Rs. 4.00 lakh

9. JPL:

(Fig. in Rs. lakh)

Year	Capital A/C		Revenue A/C	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	No limit	10 lakh	No limit	5 lakh
2012-13	11 lakh	11 lakh	26 lakh	26 lakh
2013-14	15 lakh	15 lakh	37 lakh	37 lakh
2014-15	25 lakh	15 lakh	166 lakh	83 lakh

10. JSPL:

Year	Capital A/C		Revenue A/C	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	25 lakh	18 lakh	36 lakh	32 lakh
2012-13	35 lakh	21 lakh	40 lakh	33 lakh
2013-14	--	--	190 lakh	176 lakh
2014-15	--	--	170lakh*	120 lakh

11. PANEM:

Year	Capital A/C		Revenue A/C	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	1,20,00,000.00	1,25,00,000.00	50,00,000.00	41,00,000.00
2012-13	1,60,00,000.00	2,10,00,000.00	60,00,000.00	63,00,000.00
2013-14	1,50,00,000.00	2,00,00,000.00	70,00,000.00	74,00,000.00
2014-15	1,60,00,000.00	2,10,00,000.00	75,00,000.00	80,00,000.00

12. BMCML:

Year	Capital A/C		Revenue A/C	
	Budget	Actual Expenditure	Budget	Actual Expenditure
2011-12	40,00,000.00	38,00,000.00	60,00,000.00	63,00,000.00
2012-13	45,00,000.00	40,00,000.00	70,00,000.00	72,00,000.00
2013-14	40,00,000.00	38,00,000.00	62,00,000.00	65,00,000.00
2014-15	44,00,000.00	41,00,000.00	68,00,000.00	71,00,000.00

13. ICML:

Year	Capital A/C.		Revenue A/C.	
	Budget (Lakhs Rs.)	Actual expenditure (Lakhs Rs.)	Budget (Lakhs Rs.)	Actual expenditure (Lakhs Rs.)
2010-11 (Jan to Dec)	No Restriction	86.00	No Restriction	136.8
2011-12 (Jan to Dec)	No Restriction	69.73	No Restriction	282.62
2012-13 (01.01.12.- 31.03.13.)	No Restriction	9.22	No Restriction	148.26
2013 (Jan. to Dec.)	No Restriction	12.53	No Restriction	365.12
Jan 14-Nov 14	No Restriction	3.65	No Restriction	360.69

Occupational health hazards and health risk

1. COAL INDIA LIMITED (CIL):

CIL has well-established Occupational Health Services (OHS) System for check up of Occupational diseases and conducting Initial Medical Examination (IME) & Periodical Medical Examination (PME) of its employees including contractor's workers. Company-wise status of Organization & Infrastructure for Occupational Health Services in CIL is given below:

Company	PME Center	Doctors for PME	Para medical staffs for PME	X-Ray M/C	Spirometer	Audio meter	Pathology Lab.
ECL	11	14	14	17	12	14	18
BCCL	9	9	21	9	9	9	9
CCl	13	13	45	13	13	13	12
NCL	12	12	37	6	11	11	12
WCL	10	24	11	10	0	10	10
SECL	11	14	86	18	12	14	14
MCL	2	10	9	6	2	2	5
NEC	1	2	2	1	1	1	1
CIL	75	98	225	80	60	74	81

2. THE SINGARENI COLLIERIES COMPANY LTD. (SCCL):

- All PME Centers have been equipped with required medical appliances and personnel. Doctors, in charge of PME centers have been trained in occupational health. Due importance is given for detection of occupational diseases at early stages and all the workers are undergoing PME. Notified occupational diseases detected, if any, are being reported scrupulously.
- Occupational Diseases Board was constituted, regular meetings are held and its recommendations are followed/ implemented. All the doctors working in PME centers are trained in Occupational diseases.
- There are 09 PME centers. Comprehensive health cards for each workman integrating their working conditions with their health profile are being prepared.
- A study on occupational health management is conducted in SCCL by Ex-DMS (Medical) and report submitted thereupon was circulated among Area General Managers for implementation.

3. NEYVELI LIGNITE CORPORATION (NLC):

A well established Department of Industrial Hygiene and Occupational Diseases (DIHOD) is functioning effectively with highly qualified and experienced medical professional in OHS – System. The Occupational Health Services is established at NLC and functioning since the year 1982 under the control of highly qualified and experienced Medical Professionals in Industrial Safety.

Both Initial and Periodical Medical Examination of Employees/Contract Workmen are conducted at the Industrial Medical Centre of NLC- GH as per the statute.

Periodical Medical Examination for Miners (both Regular & Contract) is being conducted, as per the recommendations of Xth Conference on Safety.

Occupational Health at NLC

The Periodical study is being conducted to identify and to detect notified Occupational diseases due to Occupational Health Hazards (Dust / Vibration /Noise etc.)

As a measure of environmental study, dust, noise, illumination and vibration studies are conducted once in 6 months through Centre for Applied Research and Development of NLC and the results are well within the permissible limits.

National Institute of Miners Health (NIMH), Nagpur, has conducted noise mapping, respirable dust survey and vibration test as a measure of environmental study in the year 2004, 2006, and 2007. The results observed are well within the permissible limits.

In pursuance of protective and proactive operation, notified occupational diseases were not identified, so far, during Periodical Medical Examinations conducted.

NLC has obtained the following certification for all the Mines and stipulated norms of certification are being maintained.

Quality Managerial System (ISO 9001: 2000)

Environment Management System (ISO 14001: 2004)

Occupational Health and Safety Assessment Series (OHSAS 18001: 1999)

4. TATA STEEL LIMITED , WEST BOKARO:

1. PME (Periodical Medical Examination) -

Year	Target	Achieved
2012	697	738
2013	697	827
2014	706	725

2. First – Aid training for employees

Year	Achieved
2012	125
2013	114
2014	109125

3. Health awareness training programmes organized and no. of employees trained -

Year	No. of programmes organized	No. of employees trained
2012	17	574
2013	18	588
2014	16	512

5. TATA STEEL LIMITED , JHARIA DIVISION:

Year	No. of programs organized	No. of employees trained
2011	17	835
2012	15	780
2013	18	968
2014(till 15.12.14)	21	1135

6. DVC BERMO MINES :

Occupational health hazards and health risk (Health Surveillance)

Arrangements for investigation and treatment of occupational health diseases have been made. Initial and periodical medical examinations are being carried on regularly. Constant monitoring is being done for dust suppression by water spraying and using protective devices.

7. GMDC: Occupational health hazards and health risk:

PERAMETER	TOTAL
No. of Mines	5
Risk	Nil
Medical examination	995
Conducted by	NIMH & Trust Hospital

AGENDA ITEM NO -X

Amendment proposal of Coal Mines Regulations-1957 & Mines Act, 1952

A. The Mines (Amendment) Bill – 2011

Major new insertion proposed	3 sections	18A, 74A, 76A
Amendment proposed	16 sections	Sec-1 (Long title), Section- 2 (definition), Sec-58, 63,64,65,66,67,68,69, 70,72A,72B, 72C, 73 & 76 (Penalties & procedure)

• **Comparative study of the Mines (Amendment) Bill – 2011 Vis-à-vis the Mines Act -1952 (major points)**

As per the Mines Act-1952	Proposed in the Mines (Amendment) Bill – 2011
Sec- 2(l) “owner” when used, in relation to a mine, means any person who is the immediate proprietor or lessee or occupier of the mine or of any part thereof and in the case of a mine the business whereof is being carried on by liquidator or receiver, such liquidator or receiver but does not include a person who merely receives a royalty rent or fine from the mine, subject to any lease grant or licence for the working thereof, or is merely the owner of the soil and not interested in the minerals of the mine; but (any contractor or sublessee for the working of a mine or any part thereof shall be subject to this Act in like manner as if he were an owner, but not so as to exempt the owner from any liability;	2(l) “owner”, when used in relation to a mine, means a person or authority having ultimate control over the affairs of the mine: Provided that where the mine belongs to,— (i) a company incorporated in India, the Managing Director thereof, and if there is no Managing Director, all the whole-time directors of the Board of Directors of the company, as the case may be, shall be the owner; (ii) a foreign company, the Principal Officer by whatever name called, including its director and secretary, shall be the owner; (iii) a firm or other association of persons, all the individual partners or members thereof, shall be the owner:
New insertion	“74A. Where any person is prosecuted, or proceeded against, for contravening any of the provisions of this Act or of any rule, or regulation, or bye-law or order made thereunder, it shall be for the person who is alleged to have failed to comply with such duty or requirement, to prove that it was not reasonably practicable, or, as the case may be, all practicable measures, were taken, to satisfy the safety requirements, duty or other requirements, as the case may be.”.
New insertion	“76A. Nothing contained in this Act shall absolve any person from his liability under this Act, if such person had or has ultimate control over the affairs of the business of the mines.”
Penalties & procedures Penalties provisions under section 63,64,65,66,67,68,69, 70,72A,72B, 72C & 76	Penalties provisions under 63,64,65,66,67,68,69, 70, 72A,72B, 72C,73 & 76 have been increased <ul style="list-style-type: none"> • Monetary penalties increased by about 100 times. • Imprisonment upto 5 years in place of 2 years.

B. Draft Coal Mine Regulation – 2011

- Comparative study of the Draft Coal Mine Regulation- 2011 Vis-à-vis CMR-1957(major points only)

CMR-1957	Draft CMR- 2011
Total regulation - 204	Total regulation - 262
New insertion	<p>Reg. No. 40: Duties and responsibilities of owner Salient points The owner shall</p> <ol style="list-style-type: none"> 1. arrange for regular assessment of the risk and dealing with it 2. take all necessary measures to eliminate or minimize the risks to safety and health in mines under their control 3. ensure the monitoring, assessment and regular inspection of the working environment to identify the various hazards to which the workers may be exposed and to assess their level of exposure; 4. ensure adequate ventilation for all underground working 5. ensure that the machine is commissioned, operated, maintained and de-commissioned in such a way that workers can perform the work assigned to them in safe manner. 6. ensure that, when there is serious danger to the safety and health of workers, operations are stopped and workers are evacuated to a safe location; 7. Prepare an emergency response plan specific to each mine for reasonably foreseeable industrial and natural disasters. 8. inform the workers, in a comprehensive manner, of the hazards associated with their work, the health risks involved and relevant preventive and protective measures;
New insertion	<p>Reg. No. 42 : Responsibilities of contractor ((1) A contractor deployed in a mine for any work shall-</p> <ol style="list-style-type: none"> (a) establish effective ongoing communication and coordination between appropriate levels of supervisors, officials and senior officials of the mine prior to commencing work, which shall include provisions for identifying hazards and the measures to eliminate and control risks ; (b) ensure arrangements for reporting work related injuries and diseases, ill health and incidents among the contractors' workers while performing work for the mine; (c) provide relevant workplace safety and health hazards awareness and training to their workers prior to commencing and as work progresses as necessary; (d) ensure compliance of the provisions of the Act and the rules and regulations framed thereunder.

<p>Reg. 38 Duties of persons employed in mines Sub-reg -- new insertion</p>	<p>Reg. No. 43: Duties of person employed in mines Sub reg. no. 3: Every person shall, immediately before proceeding to work and immediately after terminating work at the end of his shift, have his name recorded in the register maintained under section 48(4) of the Act: Provided that in case of working belowground, the person shall get his name recorded every time he proceeds belowground or returns to the surface: Provided further that electronic punching or registry system as approved by the Chief Inspector may also be provided and used for the purpose of identification, marking attendance and recording the name of the person and a hard (printed) copy of such record shall be kept forthwith for the purpose of record in the aforesaid register or in any other format specified by the Chief Inspector.</p>
<p>Reg- 41 - modification Sub reg (9) The manager shall perform such other duties as have been prescribed in that behalf under the Act, the regulations, or orders made thereunder.</p>	<p>Reg. No. 46 Sub reg (9) The manager shall perform such other duties as the Chief Inspector may assign to him.</p>
<p>Reg -66 Sub -reg -- new insertion</p>	<p>Reg- 74 Sub-reg. (11) The System, configuration and layout of the communication and telecommunication network to be provided in the mine either on surface or belowground as well as from surface to belowground shall be approved in writing by the Chief Inspector.</p>

2. THE SINGARENI COLLIERIES COMPANY LTD. (SCCL):

After thorough deliberations in SCCL on the subject of draft Coal Mines. Regulation Amendment (CMR-2011), comments/ objections of SCCL were forwarded for kind perusal and for incorporating the same in the final CMR-2011.

3. NEYVELI LIGNITE CORPORATION (NLC):

The Draft Coal Mine Regulation – 2006 and the comments for the proposed Amendment to the Mines Act 1952 have already been sent to Ministry of Coal.

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