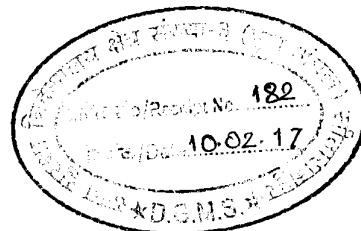
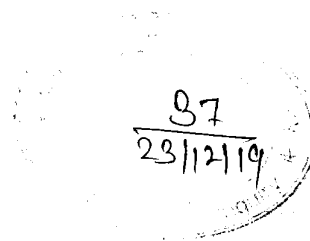


VOLUME -II

(THIS VOLUME CONTAINS 279 PAGES.)



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VOLUME -I	REPORT OF ENQUIRY (CHAPTER I TO IV)
VOLUME -II	ANNEXURE (STATEMENTS OF WITNESSES)
VOLUME -III	PLANS, SECTIONS & PLATES OF PHOTOGRAPHS

ANNEXURE

Statements of Witnesses

VOLUME-II

STATEMENT OF WITNESSES

SL. NO.	NAME OF THE WITNESS	DESIGNATION	DATE OF RECORDING	PAGES
1.	Kameshwar Prasad	Tipper Driver (MIPL)	02.01.17	1-5
2.	Chandrika Prasad Tiwari	Supervisor (MIPL)	02.01.17	6-15
3.	Munna Pandit	Mining Sirdar	03.01.17	16-18
4.	Krishna Kant Upadhya	Supervisor	03.01.16	19-24
5.	Bir Prakash Rai	Clerk	03.01.17	25-27
6.	Bihamal Kumar Soren	Clerk	03.01.17	28-29
7.	Ramchandra Pandit	Drilling & blasting	03.01.17	30-33
8.	Panchanand Mishra	Mining Sirdar	04.01.17	34-37
9.	Prasoon Kujur	Sr. Overman	04.01.17	38-40
10.	Naresh Prasad	Blasting Officer	04.01.17	41-47
11.	Santosh Pandit	Excavator Operator	04.01.17	48-54
12.	Rajesh Patel	Supervisor	04.01.17	55-61
13.	Sudhir Prasad Singh	Asst. Manager Blast.	05.01.17	62-67
14.	Md. Ejaz Hussain Ansari	Mining Sirdar	05.01.17	68-73
15.	Sujay Kumar	Overman	05.01.17	74-77
16.	Dinesh Yadav	Excavator Operator	05.01.17	78-81
17.	Goutam Kumar	Mining Sirdar	05.01.17	82-88
18.	Nilam Toppo	Overman	06.01.17	89-95
19.	Aravind Kumar	Overman	06.01.17	96-100
20.	Bibhash Chandra Maji	Chief Manag(Mining)	06.01.17	101-102
21.	Padma Charan Dhar	Dy. Manager	07.01.17	103-109
22.	Vijay Kumar Singh	Chief Manag(Mining)	07.01.17	110-119
23.	Barun Shankar Chakraborty	Workman Inspector	07.01.17	120-122
24.	Krishna Goswami	Jeep Driver	08.01.17	123-127
25.	Niraj Kumar Sinha	Assistant Manager	08.01.17	128-131
26.	Kumar BaibhaV Singh	Liasoning Officer	08.01.17	132-138
27.	Suraj Kumar Mahto	Overman	08.01.17	139-140
28.	Ashok Kumar Sinha	Overman/ W.I.	08.01.17	141-142
29.	Arvind Kumar Ramji Patel	Camp Coordinator	09.01.17	143-149
30.	Sudhir Prasad Barnwal	Safety Officer	09.01.17	150-157
31.	Ranjit Kumar Singh	Assistant Manager	09.01.17	158-162
32.	Kailash Kumar Upadhyay	Sr. Overman	09.01.17	163-167
33.	Ravindra Nath Singh	Chief Manager (Excav)	09.01.17	168-169
34.	Devendra Kumar Sinha	Chief Manager (Excav)	09.01.17	170-172
35.	Chiranjib Roy	Area Engineer (Excav)	09.01.17	173-174
36.	B.K.P.Sharma	Overman	09.01.17	175-177
37.	Anil Kumar Verma	Area Engineer (E&M)	10.01.17	178-179
38.	Sitaram Prasad Verma	Area Safety Officer	10.01.17	180-183
39.	Hem Narayan Yadav	Mining Sirdar	10.01.17	184-190
40.	Pramod Kumar	Chief Manager	10.01.17	191-199

Statement of Shri. Kamleshwar Prasad, S/o Shri. ... Age 1/279
about 33 years, Designation ... of M/s. ... in connection with
failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s
MPL - NKS (JV), Contractual (Dahernangi) Panch in Rajmahal OCP of M/s Eastern Coalfields
Limited resulting in fatal accidents to 11 persons.

Permanent Address:-

Village : Khatra
Post : Ichak
Police Station : Ichak
District : Hazaribagh
Pin Code : 823402
Contact No : 95872063806

I, Kamleshwar Prasad, am working as tipper
dumper operator in M/s MPL for last 4 years at
Rajmahal OCP of M/s ECL. I am paid by my employer
on monthly basis. On 29-12-2016, I was working in
2nd shift (13.00hrs to 21.00hrs) and reported for duty at
Shri Satyalal of day shift (08.00hrs to 20hrs) who was at
the Volvo dumper parking area about 3 km from my
working place. He allocated me dumper (Volvo, 1600)
and I got in the tipper dumper and went to dump
area where old dump made by M/s ECL was being
removed by M/s MPL - NKS (JV).

On 29-12-2016, total 31 (thirty one) tipper dumper
drivers were allocated and I was one of them. In
the shift total 8 P.C. (Hyd. Shovels, Volvo) were working,
out of these 6 shovels were on loose OB on top side
and 2 shovels were on OB bench made in solid
lower horizon/bench. These two m/c were removing
blasted OB. The 6 OB in top side were in loose dump
was being excavated by the shovels. These were deployed
at 5th bench, one was on north side, two on south side
and three on east direction in a branching side. The
dumpers were serial nos. 47, 39 & 84, and 48, 70 & 33.
I took lead from Shri nos 70 & 33 which were
operated by S/Shri Javed and Rajendra Yadav respectively.

Kamleshwar Prasad

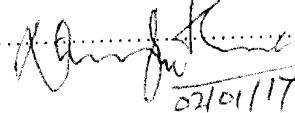
04/01/17 Contd.

After making two trips from 33 shovel and after unloading the OB, I went to camp at about 0145pm as my tipper's AC pipe line was leaking & kept it there after reporting the fault. Then, I took another tipper (No. 189) and went again to my working place at about 330pm. I went to No 33 Shovel & it was working. I worked there & made 5 trips to the dump till 4.15pm (tea break). All the PC shovel operators (6 nos.), dozer operator (1 no) and tipper drivers (25 nos.) had tea & started the work at about 4.45pm. The dozer was continuously working at faces & at the haulroad. At about 50pm when I was going to dump, I saw mine manager going towards my face i.e. loading point. I went to dump, unloaded it (OB) & returned back. I saw him talking to Sd/- Lalookhan, site incharge of M/S M.P.L. I took the load & went to dumping area. I returned to my place again but did not see the mine manager there. Company's supervisors, S/Shri Lalookhan, Site I/C; Hasmu Singh, site supervisor and Gagan Singh, supervisors were present there and supervising the OB removal.

No supervisor or mine's officials ~~the~~ ¹⁴ were present in that area of OB removal. I did not see any other ECL official except mine manager in my working area.

I last worked upto 0630pm and took the final trip of OB to dump and reached there at 0640pm. The dumping area is called 'Samra Dump'. Then I went to attend the nature's call. I was again getting ready to sit in the cabin, suddenly, I saw the electrical sparks and lightings getting off in my loading area. There I saw tipper No. 186 going towards dump, the operator told me that the dump area where we were taking load from shovel had slid and his brother, also tipper driver

Kameshwar Prasad



02/01/17

Contd on P-3

Bolted off 11/11/17

contd. from p. 2

-3-

(Kamashwar based)

3/279

with his tipper had slid down in the OB bench collapse and started evening. I was there for about 10-15 minutes. Approx. 10-12 dumpers/tippers assembled there. Then we all decided to go & help the persons (operators). First ^{some} operators (tippers) went in a tipper and remaining went in the tempo vehicle and went to ECL view point. Nothing was visible due to darkness. Lot of people assembled there, they were from the camp, CISF and from ECL also. I left the mine at about 10.00 pm.

I started working in this OB patch for last 2 years first, we worked in loading/unloading of blasted OB and for last 15 months I was working in dumped OB loading/unloading job.

In my loading area benches, the haul roads were subsiding and becoming undulating due to depression since 24-12-16. Before that since Durga-Pooja, I was on leave.

On 29-12-16, during my working shift, I found & noticed looseness in the dump OB machine on the haul road. This I felt during driving of tippers road gradually was getting undulated. I am having experience of driving of tippers of about 26-27 years.

I did not see any blasting at my face and at any other OB or coal bench below my loading point.

When I was there, I saw ~~the~~ two PC/shovels working till 03.30 pm at lower OB benches. The work was stopped later on. Both m/c's were withdrawn and parked away.

On 30/12/16, I again went there in the mine to see the slid area where we were working. It was at 06.00 AM. I saw that the entire working area in my shift at the 5th bench at dump cutting part had slid. Everything was fully buried in the muck. Only part of two shovels and ~~two~~ tippers were visible, rest were covered.

Kamashwar Based

Amphithe

Contd. on 4

4/279

Contd. from P-3

All the persons/employees of M/S. HILL - NKAS were present in the mine to help out in locating the m/c & presence of the buried persons (operators). Two shovels (Volvo's) were engaged. One was already making approach land to slided area where two shovels were partly visible, this shovel was worked by M/S. RCHL employee. Then the other shovel of M/S. HILL was also engaged in digging out the tipper. These buried machines were same which were working in 2nd shift of 29/12/16 and these were about 35m (100ft) below the original position during working.

I did not see anyone measuring the cracks or depression. I am not aware whether any such thing was done. The depressions or undulations caused due to cracks were filled up with OB and levelled by the dozer and grader. I saw grader working there and levelling the road. In dumping material about 10 benches of various heights were formed. The m/c deployed were in sets of 2 nos & three (3) nos. ~~at~~ at the two O.B. re-handling area. The 6th m/c completed the job and was idle and its operator was standing beside it outside. This shovel & its operator are safe. The operator's name is Shri Rajkumar. A Bolero jeep driver, name - "Krishna" was also in that area nearby. He is also safe.

Shri Intiyaz Supervisor was looking after road levelling job. In this accident, 23 persons are fatally trapped and includes three Supervisors.

On 29-12-16, I did not see any supervisor of ECL & Assistant Manager in my working area.

My statement is over.

I recorded this statement. X. Kamleshwar Prasad and it was read over and explained to Shri Kamleshwar Prasad by Shri Barun Shankar Chakraborty.

[Signature]
02/01/17
(NIRANJAN SHARMA)

Explained in detail to Shri Kamleshwar Prasad and he signed in my presence (Barun Shankar Chakraborty) on 02/01/17 in Road

M/s. MIPL-NIKAS (JV)

ECL, Dahernangi Patch
Lalmatia (Godda)- Jharkhand

IDENTITY CARD

Name : KAMESHWAR PRASAD

Father's Name : JAHAD HARY

Designation : WELDR - DRIVER

VTC No. B- Form No. 144

ME No.

Sign. of Manager

Miner/ Area

ECL RAJMAHAL Area

Present Address

M/s. MIPL-NIKAS (JV)

Dahernangi Patch, Lalmatia

DIST.- GODDA - 814165

STATE : JHARKHAND

Permanent Address : 9547, 4th, Khudra,

Khatia, Hazaribagh, Tehsil,

Thakurni, B.S. 102.

Signature of Employee

Kameshwar Prasad

6/279

Statement of Shri Chandrika Prasad Tiwari S/o Shri M. B. P. Tiwari, Age about 42 years, Designation Supervisor, of M/s MIPL-NKAS (JV) in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident to 23 persons.

Permanent Address:-

North - Jhagrakhand, Dargi No. 3
Village :- North - Jhagrakhand
Post :- North - Jhagrakhand
Police Station :- South - Jhagrakhand
District :- KORIPA
Pin Code :- 497446
Contact No :- 8770493301

Recd
29.12.17
(Recd)

I, Chandrika Prasad Tiwari, age - 42 years am working in M/s MIPL-NKAS (JV), a contractor working at Rajamahal OCP of M/s ECL, for last 4 years (April, 2012). I am appointed as supervisor of the contractor company. I am BA passed. I work as supervisor on rotation basis in 'Day Shift' and 'Night Shift' of 12 hours. The operators and other than supervisors all work in 8 hours shifts in 1st shift (05.00 am to 01.00 pm), 2nd shift (01.00 pm to 09.00 pm) and 3rd shift (09.00 pm - 05.00 am next day). In the contractor company, there are total 23 supervisors and Shri Lallu Khan is the senior most and he is the overall supervisor in charge and works in 'Day shift' only. There are total about 190 persons employed working, daily in each shift about 60 persons are employed. The supervisors in each shift i.e. Day & Night are about 10 nos.

M/s MIPL is working only for OB removal or OB rehandling job whereas M/s NKAS, the other partner is working in coal bench, from drilling & blasting and transportation of coal from face to CHP. This company, i.e. M/s MIPL-NKAS (JV)'s contract started from April, 2015 in Dahernangi Patch, a part of Deep Mining Zone. Before this, I was working in M/s MIPL who was awarded contract in Lohandiya Patch for




02/01/17

Contd. #1

Contd. from P-1.

(Chh Chandi Inland) 7/279

removal of OB and export coal from the area. The job was completed in December, 2014. Then he worked as petty contractor engaged by M/s AMPL, working in RCHL patch.

The 'Daheruongi' patch awarded to H/S MRL NNAS (Jr) was for removal of insitu OB of quantity 20 Million ³⁶cubic meter and about 7 million Tonne coal which was revised to lesser OB and increased coal quantity. The awarded job was in progress and hard insitu OB benches formation were slowed due to frequent & increased disturbance along the fault plane. Lot of coal (jhanua type) and crushed OB was falling down from the sides of benches. Coal & OB extraction was in progress and after fault plane the level of coal seam ~~was~~ ³⁶ was found lowered and got split with OB bend and this OB bend and coal was removed with regular drilling and blasting. The OB bench above coal seam was about 25m above and it was stopped due to heavy disturbances & fractures and occasional falls from the sides. But the coal & in situ bend ^{of OB} (15m ~~36~~ thickness coal below) of varying thickness (4m-8m) was being excavated. About 4000 cubic meter OB (of insitu bend) was removed per day. It was blasted last about 8-10 days before the sliding of benches. The coal bench blasting was done last on 27-12-16.

02.01.17
11-11-16
RCHL

There were several supervisors under control on 28-12-2016 and there were other 45 operators & driver in shift. I engaged these persons in OB re-handling area. In OB dump rehandling area, there was disturbances/cracks on the haulroads leading to the site of excavators deployed in OB rehandling benches. During the shifts, it was found average 06" (inches) in 12 hours, ~~36~~ ³⁶ up to 27-12-2016 whereas in 3 shifts on 28-12-2016, disturbances increased and at the end of the shift at 08:00 AM on 29-12-2016 I found that sliding was more than average and it was



Contd. on P-3

found about 30" (0.25m).

On 28-12-2016, during my shift, there was heavy fog and I instructed all operators to stop the work/operations at 02.00 AM (29-12-2016). Work was temporarily stopped and all men and m/c were withdrawn outside of the crack line formed on haulroad. Work was again resumed at 06.00 AM (29-12-2016) and at that time only I had seen/observed the aforesaid sliding of about 30". This indicated that during stoppage period of four (4) hours, the sliding had taken place which was very much alarming. I engaged an excavator (P.C. valve, Serial-48) operated by Mr. Mush-tag ^{of 1st shift} and instructed him to align the ^{haul} road by scraping and it was done within 10-15 minutes. Then excavators & tippers were used to cutting piles ^{in 1st shift} and started loading of O.B. dumps (reloaded material) which continued till end of my working shift timing i.e. 8.00 AM (29-12-16). The 1st shift persons' breakfast time is 08.00 AM to 09.00 AM and all those operators same was as in night shift stopped work for the breakfast.

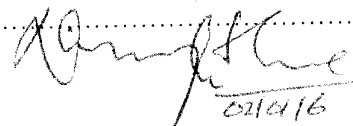
Breakfast 08.00 AM to 09.00 AM / Recd

At the end of my working hour i.e. 08.00 AM (on 29-12-16), I handed over shift "Day" shift's Charge to Shri Krishna Kant Upadhyay, Supervisor and there were ~~total~~ ^{total} seven (7) supervisors in that Day Shift, namely ① Gagan Singh ② Madhushya In Patel ③ Rishi Singh ④ Prabh Singh ⑤ Satya Lal Kol ⑥ Intiyaz Hossain, & ⑦ Krishna Kant Upadhyay.

On 28/12/16, there was no work in below OB & coal benches between 08.00 PM to 08.00 AM (29/12/16). All men & m/c were deployed for rehandling of OB dump material on top side at 4th & 5th plot i.e. bench.

The sliding or cracks on haulroad were


02.12.16


02/12/16

Contd. P 4

9/279

monitored by him & any other supervisors in Night Shift. Similarly, these observations of sliding of old dump in Day Shift was monitored by supervisors of that shift and it was done by my contractors supervisors. These observations were made visually on the haul road. Also, for monitoring of slide in crack zone, a make shift arrangement was made by the company to measure the slide ~~last~~ about 10m-12m below haul road (old) which was partially on in situ OB of the old dump OB, by anchoring one end of thread on slide side and passing over pulley (small) on in situ OB side and at end of which a plumb was tied. I had on 29.12.2016 at 07:00 AM measured the movement disturbance due to sliding of loose OB and there it was found about 15"-16". This was found intact even after sliding of rehandled OB/sliding of crushed area.

No records in writing of these such measurement were made & maintained. But the observations were conveyed verbally to next shift supervisors. I conveyed these observation to my reliever Shri. Krishna Kant Upadhyay, supervisor of Day Shift at about 8:00 AM on 29-12-2016 and I told him to be careful and cautious as the sliding was found more in my shift.

I did not see any supervisor or official of M/S ECL in my working area during 2nd timing of M/S ECL i.e. 02:00 pm to 10:00 pm. During 3rd shift of M/S ECL, I saw one supervisor of M/S ECL namely, Shri. M. M. Pandit overman on duty and he was present in my working area and was with me when I was measuring the movement/sliding in the crack zone. He was there from 10:15 pm (28.12.16) to

29.12.16
02:00 PM / Recd

29/12/16

Shri. M. M. Pandit
02/12/17

(Contractor)

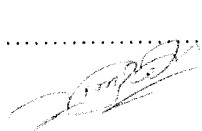
Shift (Day) (Khandide from there)
05-45 AM (29-12-16) in M/s MRL-NVAC (JVI) at about 05:30 PM
re-handling bench. Shift Manager for the day
came in company (Bharb) vehicle along with some
other person and got down on my area's handrail
I did not see any other mine official in my
shift between ~~05:30~~ 10:00 PM (28/12/16) to 06:00 (29/12/16)

As standard practice, night shift super-
-visor I was reported to Shri Lallukhan, Overall
T/C Supervisor M/s MRL-NVAC (JVI) at about 05:30 PM
on 29-12-16. He was at 5th OB cutting plot in the OB
dump re-handling area. I informed him that the
slide was more in the night shift, to which he told
that it was sliding in Day shift of 27-12-2016 also;
and work was temporarily stopped and again
resumed at 05:00 PM. He told me that OB
removal job in OB bench near coal seam was
done and later stopped at 05:00 PM (on 29-12-16)

I did not see any work or deployment of w/c
in OB at lower bench (OB) and in coal bench.

I along with Shri Lallukhan, went to the working
back area of OB re-handling and dumping area (2 1/2 km
away). I was with him till 06:15 PM and I left him
at dump and returned back to camp in my Bolero
jeep and reached there at about 06:30 PM. I was
there. Earlier I had gone with him (Lallukhan) to haulroad prepara-
tion Area. At about 06:55 PM on 29-12-2016, when
I taking dinner in camp mess, I heard shoutings
of Shri Krishna Kant Upadhyay whom I had met
at haulroad preparation job on south side high-
-wall in Deep Mining Zone, at about 20m above
the coal seam. Shri Upadhyay was shouting
remove w/c & vehicle, it is sliding, OB is
sliding in re-handling area. But I did not
hear any reply message on the radio from
other end in response to his warnings &
cautions. On hearing the new message of

Shift
02-01-17
MI-MIN/ROD

 Shri Lallukhan
29/01/17

Contd on 18

could find it. (Shri Krishna Paswan) sliding, I along with Night Shift Supervisors & all operators reached in the area where vehicles (jeep / tempo / Boller etc) to re-handling of OB & their areas. I went first to haul road approaching the OB rehandling area in OB dump. I found that it was fully dark and all the lightings have collapsed in slide. I saw an abrupt cut / slide in the haul road. There were observed under jeeps head light.

Then I went to haul OB ^{haul} Road, which was stopped about 10 days back in jeep (Baler) upto approachable area and found that near fault area the road was fully blocked due to slides OB from the dump & OB berches. The slide mass was huge and in light of mobile phone, everyone started searching for the men & w/c working in that shift. We all searched there for 2 1/2 - 3 hrs but I did not find any sign of men & w/c in the debris. We sat there and all of us were going and searching for any signs of my operators & supervisors of Day shift and the m/c's deployed there. I did not see any officials or supervisors in that area where we were doing search operations. We all person of night shift and other safe workers of Day shift then returned to Camp at 01:00 am (30/12/16)

02.01.17
02.01.17
02.01.17

Then, on 30/12/16 at 06:00 am after sunrise / light, we all went there in the mine near the sliding zone / slide debris. Shri K.K. Upadhyay and myself took the lead and started rescue work. I saw a tipper in debris above the haul road (OB in solid). First, we ordered to make way clear by dozer, then engaged B.C. w/c to excavate earth around that tipper, it was No. 365 and its operator was found in cabin. We removed him and recognised him, he was Nagechwar Paswan, tipper operator. Then we deployed

[Signature]
02/01/17

Contd part 7-

confd. page 6

more excavators to dig in debris and found the 12/279
buried persons & wife as following: (2) Rajendra
Yadav, P.C. operator, (3) Hari Kishore Yadav, P.C. operator
(4) Javed Akhtar, P.C. ~~operator~~ operator, (5) Brijesh Yadav,
P.C. operator (6) Ajit Patel, P.C. operator, (7) Sanjay
Kumar Salu, tipper driver (8) Vikas Patel, tipper
driver (9) Shakeel Ansari, tipper driver, & (10) Jalpakesh
Rai, tipper driver. ~~Total~~ (11) Md. Nuriel, tipper driver.
Total (11) eleven operators bodies (dead) were
recovered on 30-12-2016 till 08.00 pm. Then
rescue recovery was stopped by the Contractor
M/S. MIDL-NKAS.

Next day, it was resumed and following
five persons (operators) were located, they were: (12)
Sunil Bhengra, tipper driver; (13) Rajkumar Goswami
tipper driver (14) Md. Zameer, tipper driver (15) Md. Jufkar,
tipper driver (16) Ajay Kudwah (Koleshwar Mahata), ^{alias} driver
operator. On 31-12-16 after recovery of these five
dead bodies, the rescue recovery was stopped at
about 07.00 pm.

On 01-01-17, during rescue & recovery
following (2) bodies were recovered, they were:
(17) Sanjit Vishwakarma, tipper driver, (18) Laddu
Kumar Yadav, P.C. operator and the recovery
work was stopped at 06.30 pm on 01-01-2017.

On 02-01-17, no dead body was recovered
inspite of full day effort till 07.00 pm.

Still in my knowledge & opinion, following
(5) five persons are still missing and they may
be still buried in the slides OB muck/debris.
Their names are - (1) Lallukhan, Overall I/Super
visor (2) Gagan Singh, Day shift Supervisor (3) Madhus
shyam Patel, Day shift Supervisor (4) Bheem Ram,
tipper driver, & (5) Parvej ^{Arm} Tipper driver.

From M/S. ECL, some officials were
regularly visiting in my area whom I had seen

[Signature]

[Signature]
01/01/17

Conf. on P-8.

02.01.17
01-MIN/ROD

Colleged. 13/279
that person was also Present Kumar Singh, 13/279
Chief Manager, & in night shift during
my working hours I did not see any other
official in my area of OB re-handling or OB
bench formations, etc.

No Blasting or drilling activity was
done in my Night Shift, between 08 pm to 06 am
in M/S MPL - NKAS (IV) in OB i.e. in-situ OB &
old dump being re-handled. Drilling was done
my shift in coal, in the middle of seam, below the
OB re-handling area's south direction. Holes of 6m
depth were drilled since 06.00 AM onward in 27-12-16.
I don't know how many total holes in coal were
drilled that day and I left the workings at 08.00 AM
on 28-12-2016. In Night Shift, I found
that coal was blasted in day time but no coal
was lifted / transported in my shift on 27-12-16 &
also on 28-12-16.

No work was allotted in Night Shift for OB &
coal excavation at below haul ex due to the
apprehension of further sliding of overlying in-situ
& re-handled OB of dump. Two fault lines were
crossed and coal seam was being lifted across the
fault and the coal of 6m ht. on top was extracted
beyond fault upto about 35m - 40m. The throw of fault
was about 24-25m.

In my opinion, this massive slide of OB
benches & OB dump occurred due to extraction
of coal in that cracked / crushed area and blasting
in OB and coal benches thereat. Work of OB re-
handling, OB bench formation and extraction of coal
was going on continuously upto today before.

I last saw Indrajit Supervisor in mine when
I had gone there after getting message of sliding of OB. I found
him on west side of collapsed area, on haul road
of re-handling patch. I enquired from him

20/12/16
Kumar Singh
02/01/17

Contd. 17

OS
or
min
/ coal

what has happened? He told me that Shri. Rathan Shyam Patel, Supervisor was about 70 years old and he saw him getting slipped down in the slides O.B. debris. From there, I could not see towards bottom i.e. towards slides debris which was very much below & not visible.

Shri. Krishna Gargani, is driver of Shri. Lallukhan, I/c Supervisor's vehicle and he is safe.

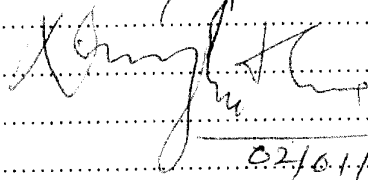
For last 2 months, I am regularly working in night shift since 24-10-2016.

My statement is over.

x

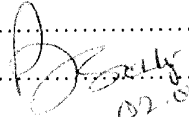
02/01/17

I recorded this statement of Shri. B. S. Chakraborty, WNT(MI)/ROCP read over and explained in Hindi to Shri. Chandrika Prasad Tiwari, Supervisor. He accepted it correct and signed in my presence.



02/01/17

I explained in Hindi to Shri. Chandrika Prasad Tiwari who accepted it correct and signed in my presence.



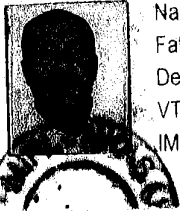
02/01/17
WNT-MIN/ROCP

15/279

M/s. MIPL-NKAS (JV)
ECL, Dahernangi Patch
Lalmatia (Godda)- Jharkhand

IDENTITY CARD

Name: CHANDRIKA PRASAD TIWARI
Father's Name: LT VISHWANATH P D TIWARI
Designation: SUPERVISOR
VTC No. _____ B- Form No. 04
IME No. _____ Bash
Sign. of Manager



[Signature]
02.01.2017

Mine/ Area: BOL RAJMAHAL Area
Present Address: M/s. MIPL-NKAS (JV)
Dahernangi Patch, Lalmatia
DIST. GODDA - 814166
STATE: JHARKHAND
Permanent Address: NORTH - JHARKHAND,
DAKAT NO- 3, KOIRA STATE- CHHATTISGARH

Signature of Employee

[Signature]
02.01.2017

Statement of Shri Munna Pandit S/o Shri Ram Kishan Pandit Age about 27 years, Designation Mining Sider of M/s ECL Ltd in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited. resulting in fatal accident.

Permanent Address:-

Village :-

Bagjori

Post :-

Lalmatia

Police Station :-

Lalmatia

District :-

Gadchada

Pin Code :-

814165

Contact No :-

9097502532

I, Munna Pandit, age 27 years, am working in M/s ECL Ltd's Rajamahal OCP since 01-03-2014 as Mining Sider. I am diploma in Mining (Certificate) holder. I have obtained exemption Certificate of Overman under CTR. I am authorized to work as Mining Sider in the mine. I work in rotation and in shifts and my day of rest is Saturday.

On 28-12-2016, I was on duty in 3rd shift (10 pm to 06 AM, 29.12.16). Since 25-12-2016, I was continuously working in 3rd shift in Deep Mining Zone. In 3rd shift during this period from 25-12-16 I was allocated for supervision at OB rehandling area on old dump in north side of Deep Mining Zone, also called Dahernangi Contractual patch. This job was done by M/s MIPL-NKS (JV) local Coltd Mahalaxmi patch. went

On 28-12-2016, I left my allocated area in camp and reached there at about 10.30-10.45 pm along with S/Shri Arvind Kumar, overman and N.K. Sinha, 3rd shift I/c assistant manager of Deep Mining Zone. I got down from the vehicle at the haul road approaching OB rehandling faces and the vehicle left immediately carrying a foreman and two persons. I was provided with walkie-talkie instrument in the OB rehandling area. Total six (6)

Munna Pandit

Amritha

03/01/17

03/01/2017

Content 2

03.01.17
MIPL-NKS
JV/Coltd

continued from p. 1

(Shri P. Prasad)

P.O. Shrivats (Valko, 30.12.16) were working these OBs deployed at 4th & 5th benches in set of 3 m/s each and total 28 tippers (Valko, 30.12.16) were working along with one dozer there. I inspected my working place and instructed tipper drivers to deploy m/s away from the edges of safe area as the OB dump being re-handled was loose and side falls were occurring at the benches formed in it. I am working in Deep Mining Room for last one year.

There was tendency of side fall in the benches above the coal seam in the contractual patch of M/S MIPL - NKAAS (IV). On the immediately above haul road over the coal seam, a plumb arrangement was provided to measure the subsidence/depression or slide in the OB benches & OB re-handling area. I also used to measure this subsidence at that point but I did not see any change in plumb's position. I did not maintain any record of such inspection & observation of sliding/collapse of OB sides of benches in any register or in Mining Sirdar's Diary report book. Mining Sirdar's Diary were not available and I was not given any report book to write. I used to convey my observation over walkie to control room, in my shift/Shri Shivkumar Bania, C.S. Srivastava & NAKhar all mining Sirdars are in charge of control room.

Shri P. Prasad
03.01.17
MI-MPL/REC

On 28/12/2016, in 3rd shift, at about 0200 AM (29.12.16) cutting & loading of OB at re-handling area was temporarily stopped due to fog and it was kept stopped till 0600 AM. I left the place after that as my shift was over and I was relieved by Shri. Nilam Topo, Sr. overman.

When I was on duty at OB re-handling face, the shift overman & I/c shift assistant manager did not inspect the workings but they had

Munna Pandey (Signature)
03/01/17

Cont. Cont. 3

at about 06:00 AM (29.12.16) to pick up my shift going back from shift duty. There was no other OB or coal working faces in Deep Mining Zone except OB re-handling from old dump. The working area of OB re-handling was illuminated with portable high mast DG tower. There were total 35 persons on duty at that place. The haul road at OB re-handling area in old dump was getting subsided gradually and it was regularly filled up with OB and levelled by hy. dozing operation.

I did not notice any depression or cracks on haul road but the haul road was dozed and levelled.

On 29.12.16, at about 08:30 pm, I got information from my friend that there was OB dump slide in Deep Mining Zone. I went to mine in my 3rd shift at coal face road, I saw huge slide of OB mass and OB dump material had filled in the bottom most working of deep mining zone. Preparation for rescue & recovery work was done and recovery work started by digging out OB debris at 06:00 AM of 30.12.16. I left mine at end of my shift.

I don't know and am aware whether any bench failure of OB dump had earlier been occurred in that contractual patch in Deep Mining Zone.

There used be vibrations in old OB dump when HEMM (Heavy Earth Moving Machinery) were working.

My statement is over.

Munna Pandey

I recorded this statement and read over & translated by Sir B. S. Chakraborty, VI/RCP to Sir Munna Pandey & he signed it.

03/01/2017

read over and translated in Hindi to Sir Munna Pandey & he accepted & signed and signed in my presence
03/01/2017

Statement of Shri. Krishna Kant Upadhyaya, S/o Shri. (Late) Ravi Shankar Upadhyaya, Age about 38 years, Designation: Supervisor, of M/s. MIPL - NKS (JV) in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajmahal OCP of M/s Eastern Coalfields Limited resulting in fatal injuries to 3 persons.

Permanent Address:-

Village :- Korsar
Post :- Korsar
Police Station :- Chitrangi
District :- Singrauli
Pin Code :-
Contact No :- 7488142476

I, Krishna Kant Upadhyaya, Age 38 years am working at Rajmahal OCP, M/ECL through a contractor M/s Mahalakshmi Infracontract Pvt Ltd - NKS (JV). I am appointed as Supervisor of M/s MIPL-NKS (JV). I generally work in Day Shift i.e. between 08.00 AM to 05.00 pm. This contractor's main representative is Shri. Vaibhav Singh also called Bunt Singh, who is assisted by Shri. Arvind Patel who is overall in charge. Shri. Vaibhav Singh is Project Manager. Shri. Lallu Khan is main supervisor of the contractor & he works in general shift. I was given Day Shift Supervisor's charge. On 29-12-2016, I relieved Shri. Chandrik Prasad Tiwari, Night Shift J/C Supervisor, at about 08.00 AM at OB dump re-handling workings in Dahernangi Contractual patch in Deep mining Zone. The loose OB dump re-handling work commenced about two months back. I was on leave in the month of November, 2016. I was continuously working in Day Shift from beginning of December, 2016.

On 29-12-2016, in Day Shift, the 1st Shift workers i.e. operators were working from 05.00 AM to 09.00 pm. There were 5 P.C. (shovels) and 25 tippers (Volvo, 12m³, 35T) working and then

03/01/17

Continued L

one operator in the each of these machines. 20 operators were engaged. There were other four supervisors namely - (1) Gopand Singh, (2) Hathi Singh, (3) Patal, (4) Juttiaz Khan, (5) Saty Lal Rawat. In the Day Shift & working with me. Shri Lallakhan, the overall I/O supervisor came to mine with me & other supervisors and stayed near coal face and we all the remaining supervisors went to OB re-handling area on top side. Shri Lallakhan came there at about 11:30 AM and work of OB dump cutting & transportation of OB was going on. The dozer (CAT, S.No. 34) was also working there. The 1st Shift operators of tipper, dozer & w/c (PC Shovel) worked upto 01:00 pm and they left at the end of the shift in shift jeep ~~the~~ van (4 temps, 3 seats), in which the 2nd shift operators (33 tipper operators, 2-PC operators & 02 grader operators and 08-PC shovel operators) had come to mine. Total 5 shovels (Volvo, S.Nos 33, 70, 12, 39 & 21) were working, the 6th shovel (S.No. 47) was under break down & its operator was Raj Kumar Thakur free. Total 25 dumpers were put in service. One dozer, operated by Shri Ajay...

Kushwaha was working. After lunch Shri Lallakhan Gopand Singh returned to OB dump area at about 3:30 pm.

Earlier I had lunch at 11:00^{AM} to 01:00 pm and returned back along with Shri Saty Lal, Juttiaz & Hathi Singh.

In 1st Shift, other than OB dump re-handling work, OB removal and coal loading & transportation jobs were done. One PC (Shovel, S.No. 37) was working at coal face and one PC (Shovel S.No. 4) was working at OB face. For coal transportation separate tippers are engaged by M/S NKA's where OB (insitu) which was blasted on 28-12-2016 was removed & transportation was done by 5 tippers.

In my presence from 8 AM to 11 AM and 01:00 pm to 05:00 pm on 29-12-16, I did not see

gopal singh *Amir Khan* *Contd. p. 3*
 03/10/17

03/01/17
 12:11 PM / post

Continued from P-2

-3-

(Krishna Kant Upadhyay)

21/2/79

any blasting in OB or Coal bench in lower side of OB during re-handling process. Drilling operation in Coal & OB was looked after by Shri Ram Chander Pandit and he informs E.C. officials to conduct blasting operations. Shri Lallukhan sent me to lower OB bench.

In 2nd Shift, at OB face one PC was working & its operator was Suresh Harsda. Also, one PC (Shovel) of M/S MKAS was deployed and Coal face was supervised by Shri Rajubhai Patel and OB face loading was supervised by me. At about 03:30 pm when side boulders from OB side started falling, I instructed the excavation of OB (by shovel) to be suspended. Shri Harsda stopped the OB loading and marched away the PC (shovel). Shri Rajubhai had discussed this with me and he also stopped Coal loading & transportation. Both PCs (Shovels) were moved out at about 200m distance away in west direction to safe place.

At about 4:00 pm Shri Lallukhan, Canoler instructed me to make a haulroad on OB in South side benches to approach the Coal seam. The PC operated by Shri Harsda was moved to that area and it started working & worked till 06:30 pm and stopped working on shortage of diesel in the tank. At about 06:55 to 07:00 pm, when I was with Shri Harsda, PC operator, I heard the loud sound of stone bursting & falling down. I talked to Shri Lallukhan on walkie-talkie and told him that some big stone piece had fallen down and more OB stone pieces are falling and rolling down. He told me that "main dekhta hoon" i.e. I will see further. Then suddenly, I heard, over the walkie talkie, the voice of Shri Gagan Singh telling "Ja ruka hai" i.e. going down. Within no time I saw that huge mass of OB benches & OB dump had slid down and partially got filled in the

03:11-min/PCP

2030001/211

Amrinder Singh

03/01/17

continued - 4.

22/249

10-11-1967

2007/02/11 - Angela - 03/01/17

Conf. Oct-5

Shri. Lalitkhan instructed us to go to OB bench and later prepare the haulroad on south side of high bench. The sliding was measured on haulroad above the OB working bench / coal bench working. It was located near the crack zone. No ECL Supervisor / Assistant Manager / Manager were giving any warning or caution on daily basis or shift basis regarding ~~the~~ sliding of shale at in-situ OB bench & at haulroad and at the OB dump re-handling area.

We company supervisors for our own safety were watching the subsidence or sliding.

These disturbances / movement of shale, sliding and falling of boulders from sides of OB bench & coal bench were regularly informed to the Manager, Shri Pramod Kumar. I did not see Shri Dilip Roy, the general shift assistant manager and overall D/S of Deep Mining Zone / Dhanuangi Panna / OB re-handling area; and he never gave any instructions / caution to us.

The supervisory staff of H/S ECL Ltd. (Overman & Sirdar) were not fully present in our workings throughout the shift. They sometime used to come and go away without giving any safety instructions. However, they were always enquiring & stressing about coal production.

The OB ^{dump} & shale movement was being measured & monitored for last one month. It's arrangement was done by ECL personnels. We were also checking these without fail regularly.

Shri Pramod Kumar never took our safety apprehensions seriously and used to tell us continue to work as he found it normal.

23/06/2017

Kishankantilipadaya
23/06/17

concl. PE

contd. p. 1

24/2/17

I have got total 7 years of experience to work in O/C mine and at RCL i.e. till now I am working for last 4 years.

The management of M/S ECL had never cautioned us regarding repurcussion of working simultaneously at three places i.e. OB re-handling area, insitu OB removal and the coal extraction.

In my opinion if the OB benches (insitu) not formed coal extraction was not done; and only top portion was excavated (OB rehandled) was done this sliding could have been averted.

As ~~other~~ per my knowledge & information in this accident total 23 persons had got trapped & buried in the massive slid OB muck. Till date i.e. up to 03.01.2017, total 18 (eighteen) bodies have been recovered. Bodies of three (3) supervisors & two (2) tipper drivers are still buried and rescue/recovery work is going on by M/S MIPL-NKAS (JV) and M/ECL. My statement is over.

X ~~Signature~~

I recorded this ⁰³⁻⁰¹⁻²⁰¹⁷
Statement and read
over & translated in
Hindi by Shri B. S. Chakraborty, WI
who accepted it true.

I read and explained
in Hindi to Shri Krishna
Kant Upadhyay and he
accepted it correct.

X ~~Signature~~
03/01/17

Statement of Shri. Bir Bikash Rai S/o Shri. Bhagwan Rai, Age about 58 years, Designation Senior Clerk, of M/s. Eastern Coalfields Limited in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited.

Permanent Address:-

:- Mahmendera
Village :-
Post :- Mahmendera
Police Station :- Talpur Gangali
District :- Gurdaspur
Pin Code :- 813208
Contact No :- 8521656185

7/1/17
Work done on 7/1/17
7/1/17
I, Bir Bikash Rai working as clerk and authorized magazine clerk of Rajamahal OCP. In addition to me other two clerks are also working as authorized magazine clerks namely Sh. Hari Shanker Mahata and Vimal Kumar Soren. Hari Shanker Mahata is working for the last 5 years and Vimal Kumar Soren is working since 2-2 1/2 years. I am working as magazine clerk since 1990. As per the requisition slip issued by Blasting officer in the instant case Sh. Nand Prasad we the above mentioned authorized clerks issue explosives from the main magazine. The requirement of SME will be communicated to MIDL & LBPC company represented by Blasting officer, SC Manager, M/s ECL, accordingly SME will be supplied to the site of blasting and as per the consumption of the SME, the challan will be given by the respective firm representative to the Blasting manager and the same after his counter signature will be taken into our records for that respective blast as SME consumption. In respect of the explosives issued from the magazine as per requisition after the completion of the blast, the remaining explosives and detonators will be returned back to the magazine accordingly we make entry in hand. All the records to that effect will be maintained.

Signature
3/1/17

Signature
26/12/2017

Confidential

22.12.2016	work	200.00 + 1.2 = 201.20
23.12.2016	D.B.	5200 + 18.40 = 5218.40
23.12.2016	work	1480 + 3.55 = 1483.55
28.12.2016	S.B.	1700 + 6.0 = 1706.00
28.12.2016	total	2420 + 8.4 = 2428.40

I maintain the records of explosives issue, receipt, storage of the blanks by different explosive suppliers and collection of the challans and I report to SAs Nand Prasad Bhatia officer. I maintain all these related jobs along with SAs Harishankar Arora and SA Vinod Kumar Soren. I and my other two SA Chandra and also the Blasting section Personnel works in general shift from 8:00 AM to 5 PM.

3/11/17

My above statement was read over and explained to me in Hindi by SAs Ashok Kumar Sinha, W.I (Mining), M.E.C.I.

3/11/2017
Rajesh Kumar Sinha

My statement is over, I fully understood and agree to my statement and put my signature below.

3/11/17
Rajesh Kumar Sinha

The above statement was recorded by me

3/11/2017

I have been in the custody of the
and only contact with the outside world
and issue of explosives from the magazine

My above statement was read over and
explained to me in Hindi by Sd/- Asst. Comm.
W.D. (prison) M.B. B.S. Aka
03/01/2017
W.E.M.

My statement is over, I fully understood and
agree to my statement and put my signature
below

Amit
03/01/17

The above statement was recorded by me

Raj
21/1/2017

Statement of Shri. Ramchandra Pandit, S/o Shri. Bada Simsa, Age about 23 years, Designation Drilling, of M/s. MPL - NKS JV in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited.

Permanent Address:-

Village :- Chota Simsa
Post :- Bada Simsa
Police Station :- Lalmala
District :- Buxar
Pin Code :- 814165
Contact No :- 966 1188 389

Q. Ramchandra Pandit, working as Supervisor of M/s MPL - NKS (JV) looking after drilling and the work / job of Blasting was being done by Mr. ECL. I am employed by M/s MPL - NKS since 2013.

A. I was being instructed regularly drilling at M-20 Patch OB and Coal benches by Sri Lal Khen, in charge, when he was in charge. I was carrying out drilling and after the completion of the drilling, I was reporting the details of drill holes drilled to Sri Lal Khen orally and no written report was given.

The pattern of drilling was 5m spacing and 4m burden and 6m depth holes, and this material I could not exactly tell but between 4" to 6". Generally 8 am to 12:00 pm drilling will be done in coal or OB bench as per the instructions under my charge after that the site will be handed over to Mr. ECL. Blasting done some times as per Sri Lal Khen instructions as per the requirement of Blasting. Drilling was done in 2nd and 3rd shift, there was no details of drilling were known but Lal Khen used to inform about the drilling done in other shifts to me.

Ramchandra Pandit
3.1.17

continued Page 2

I have been working at the 2.15 shaft of the mine and
 was reported to be working at the 2.15 shaft of the mine.
 Sir Laluk Khan, Engineer, told me that there is
 no drilling work being done and I told him that
 is no drilling. I will go to my house and be
 permitted to go.

Before 25th Dec 2016 when I was
 on duty and working at drilling work by
 the side of the main side wall of the benches
 there were cracks and some times small
 stones and crushed powder like material was
 falling from there from all corners in last
 month i.e. in Dec-2016 I used to withdraw
 drill machine and men from bottom coal and
 AB benches when ever I observed side cracks
 are more and material / loose falling through
 the cracks of the benches and the same I
 was reporting to Sir Laluk Khan about the with-
 drawal of men and men. I can't exactly say but
 but 4-5 times I have withdrawn machine
 and men from the AB & coal falls from Main
 Patch workings. Re start of drilling after
 deploying the machine was done only after
 Sir Laluk Khan inspection of the benches and
 then he used to instruct me for again re-
 deployment of machine to carry out drilling
 and I was following his instructions accordingly.

Especially for the last one month
 I was fearing to work at the AB & coal
 benches during drilling operations due to
 the frequent fall of loose fall along the
 cracks of vertical slips of benches. But
 as Sir Laluk Khan incharge was telling that
 not to leave anyone carrying out drilling
 and I was carrying out drilling.

Ram Chandra Patel + KSI
 3.1.17 5/1/2017

Continued Page-3

On 29.12.2016 at night, 10.00 pm, in dark night, a group of 5-6 men had entered the above said house. The height of above house when I was sleeping, he commenced shooting. In consequence, I awakened him that night, after that he returned back.

The width of O.B. Road where this was done was about 20-25 mts and a small channel width of bank was about 20 mts.

I came to know about the collection of benches at Mr. M.L. N.K.S. (Jr.) police station on 20.12.2016. Though my village people I can't say how this incident had happened it is beyond my knowledge, but have observed many members of Karmas. The Karmas were working along with the Karmas of benches in the last one month. In the morning shift, many times in the area ~~was~~ parallelly O.B. removed by some in the above bench and soil removed from the bench by excavator and drilling was also being done in land of O.B. as per the instructions from Chokkhu. There was no difficulty as the bench width was quite adequate and the spreading areas of the excavator were at different locations.

I feel very sad and pain about this major accident.

Ashok Kumar Sinta

The above statement was read over and explained to Mr. Ramchandra Pandit in Hindi by me.

31/12/2017 Ramchandra Pandit

I fully understood and agree and put my signature below.

The above statement was recorded by me.

31/12/2016

03.01.2017
 13
 4
 3
 2
 1

M/s. MIPL-NKAS (JV)

ECL, Dahernangi Patch
Lalmatia (Godda)- Jharkhand

IDENTITY CARD



Name : RAMCHANDRA PANDIT
Father's Name : BELU PANDIT
Designation : BLASTING
VTC No. _____ B- Form No. 90
IME No. _____

[Signature]
Sign. of Manager

Mine/ Area : ECL, RAJMAHAL Area
Present Address : M/s. MIPL-NKAS (JV)
Dahernangi Patch, Lalmatia
DIST.- GODDA - 814165
STATE : JHARKHAND

Permanent Address : C/O BELU PANDIT
PO - LALMATIYA, VILL - CHOTASIMRA
PS - LALMATIYA, GODDA, JHARKHAND

[Signature]
Signature of Employee

Ramchandra Pandit

Statement of Shri. Pamihannand Niche S/o Shri. Mathanna, Age about 53 years, Designation Miner of M/s. MIPL in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited, resulting in fatal accident to app. 23 persons.

Permanent Address:-

Village :- Pamihannand
Post :- Kabalgaur
Police Station :- Kabalgaur
District :- Bhagalpur
Pin Code :-
Contact No :- 8757151980

(Mining)
3/10/17

I, Pamihannand Niche, working as Mining Shift fixer in Blasting section of Rajamahal OCP of M/s ECL since 2009. As per the instructions of Blasting officer I will be allocated to different areas on the shifting basis for the conduct of Blasting operations in coal as well as in O.B. benches in general for the Blasting work of 11.20 portion of M/s MIPL - NKS JV. For the last few months I was allocated as Shift fixer at the O.B. as well as coal benches in that position. The Blasting crew generally consists of 5-6 Blasting carriers and private SME suppliers including drivers. A total of 7-8 persons will be engaged at the site of drill holes charging for a blast in a given time at the place where blast is scheduled. The charging operations will be supervised under my charge and persons known or also will come and inspect the charging of explosives in blast holes and inspect the security of connection and also give instruction regarding explosive charges and stemming length. Generally OK will generally comes along with Sri. Sudhir Prasad Singh Asst. mpr. Blasting or with Sri. Narender Prasad, Blasting officer.

Pamihannand Niche
4/10/17

Asst. mpr. Blasting

On 28.12.2016, I was in charge of blasting at
 Main pit area. Conducted blasting in coal seam
 well as in the ore. However, in the coal seam hole
 in the main pit area, I had worked for
 100' of blast in the morning at about 11:30 AM.
 We have started charging of holes at about 12:00 PM
 on 28.12.2016. The site of
 blasting was 40-50 m on the west side of the fault.
 Coal seam, I could not see any danger
 and the width of the bench was about 25 m.
 The coal bench height was about 06 m.
 and I conducted the blasting operation as
 per the instructions. Due to height I could not
 see any danger as above. In 06.11.2016
 about 7-8 benches. I could submit my
 charging. Since 15.12.2016, the work was not
 in blasting section. Room could not be feasible.

On 28.12.2016, after blasting at about 1:45 PM
 I left the blast of 06 bench above coal seam. I
 inspected the site and found the blast
 was satisfactory. On 28.12.2016 there was
 no monitoring of blast induced vibration was
 done for the blast conducted at M-20 Pate.
 On 28.12.2016 G.M. H.C. S.K. Singh and
 manager in charge. However, also visited the
 charging of holes site at M-20 Pate. Sr.
 Jemal also manager in G.M. H.C. Asst
 inspect the site of charging in the
 main pit area. On Dt 28.12.2016
 Manager in charge. However, also visited the
 site and observed for about
 15-20 minutes but they have never seen
 any vibrations, they only was observing
 the site, benches and other discussion
 with them.

Prithvi

4/1/2017

continued P-3

On 28/12/2017, I had seen some information regarding the road construction and about the scheduling of the blast at about 11:00 AM. I had shifted the excavator for some time from the blast site, whereas the information was being given to the top bench O.B. (O.B. means Persons through the work-taken of M.M.P.L. N.P. & Supervisor G. Raju). Accordingly, the scheduling will be shifted away from the loading site to safe place. After ensuring the same from the site supervisor I had blocked the M-20 road & O.B. Benches.

I came to know about the occurrence of massive bench slide accident at about 8:00 PM when I was in market.

I had seen the collapsed benches after the accident and could definitely say that the entire area where I had conducted blasting is now covered fully with debris and huge O.B. had slid from top benches. I am not fully aware the exact no. of persons trapped in the O.B. dump slide.

Had this type of slide had happened during the blasting operations, the life of the blasting crew, S.M.E. crew and myself would have been endangered. As per my knowledge the fall had happened due to faults in the above O.B. benches (Strike).

I could write only the known things as I am not fully conversant in English. In future I will learn and fill my diary all the relevant columns with details as per Singing's the day end report.

Prakash

Continued Page 4

4/1/2017

Statement of Shri. P. Balram Kumar S/o Shri. J. Balram Kumar, Age about 50 years, Designation S. O. M/s. in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited, resulting in fatal accident to approx. 23 persons.

Permanent Address:-

Village :- Prem Nagar
Post :- Kamke
Police Station :- Kamke
District :- Ranchi - 6
Pin Code :- 834006
Contact No :- 9097653625

I, P. Balram Kumar, BND: 2147, working as Miner since 2010 in Blasting section of Rajamahal OCP of M/s ECL.
On 28.12.2016 there were Blasts scheduled at Departmental OB patch, Ranchi OB x Coal and at M-20 M/s MIPL - NKS (JV) patches both in OB x Coal benches accordingly Registration was done for issue of explosives from the mine and quantity supply of S.M.E. as per the instructions of Blasting officer mining Sider/Sol. Sect. allocation was made and Shri P.N. Mishra, M.S. was allocated to M-20 patch, Shri Anandh Kumar, M.S. not allocated to M/s Ranchi patch as he was not on duty. I myself conducted blasting operations at both R.M. patch and departmental patch. After the start of hole charging at Dept. patch and at R.M. patch I had arranged and instructed explosive carriers to continue hole charging and went in Balra Campes to inspect M-20 patch which is also scheduled for blasting in both OB x Coal facies about 11:30 AM.
There were no mining sider x Coal benches allocated in both R.M. x Dept. patches for blasting in Coal benches charging was being done at M-20 patch at the time of my inspection.

Pravon

Signature
4/1/2017 continued Page 2

but drilling was done on it at the old bench.
I didn't know any more about the safety case, I
believe, in both coal and oil benches. I could
not predict any danger like that, though, but
in my earlier inspection, I have observed
that powdering material falling from the above
benches of CB at the last area on 23-12-2011, but thought no danger.

I have no knowledge of fault and
I have never been to survey office and seen
the plan. Never my office have discussed
the blasting schedule on the plan and mine.

I was aware of the geological features / faults
exists or not since I was to carry out blasting,
as per the instructions of the blasting officer.
I am aware about geological disturbances
like fault zone, fold etc, but I am not aware
that at that position fault exists.

I understand if any fault there is
there, I should be more careful whether to
conduct blasting or not. The decision shall
be arrived only after due discussion with
the supervisor and also studying with the plan.

As per my knowledge I corroborated with
the statement of Sri. parasharand Mishra, Mining
S.D.O. in respect of the other details mentioned,
there were about 10-12 benches in CB
above the coal bench where blasting was
scheduled at M-20 patch.

I learned about the accident
through TV and my friend's phone calls. As reported
by contractor there were 23 persons trapped
in the slide of CB benches.

I have seen the place
of accident and could feel that any time
this could have happened and the entire

Prison

DDT 11/12/2017 continued - P. 10

As per report, the blast occurred on 25.12.2016 during the time of the blast, the O.B. was in the

If this could have happened on 25.12.2016 during the time of the blast, the O.B. would have been endangered.

To my knowledge, I could say that this slide had happened due to fault of the O.B. had been removed earlier before reaching the camp at the lower bench and removal of O.B. this accident would not have happened.

Due to dislocation of file, earlier during was not submitted and the present during was monitored from 15.12.2016.

It is my mistake I had not mentioned the case M-20 in my during even though I had visited the site.

I am not actually aware of the permitted height and width of the benches as per the permission. I have not seen the permission letter.

I will next time certainly write detailed report. I agree that the details of my report are not clear. I am aware that the entire blasting and charging of holes should be done in my presence only. At M.C.C. during knowledge no blast vibration was monitored for the last two months.

I fully agree and understand my statement and support my signature.

Pravara
4/1/17

I ended this statement and if we read once and explain to Sd/- Prasad Kumar, O.B. by Sd/- A.K. Sankar

Signature
4-1-17

Attestation in hand
to Sd/- Prasad Kumar
and he signed in
my presence
Attestation
4.01.2017

Statement of Shri. Narash Pansari S/o Shri. Lal Jagdish Mohli, Age about 57 years, Designation Blasting officer of M/s. Eastern Coalfields Limited in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajmahal OCP of M/s Eastern Coalfields Limited, resulting in fatal accident to 4 persons.

Permanent Address:-

Village :- Dharampur
 Post :- Utkal
 Police Station :- Blind
 District :- Nabardah, Balasore
 Pin Code :-
 Contact No :- 9771463509

I, Narash Pansari, S.S. (old) working with M/s ECL since Nov. 1987 and working as Blasting officer at Rajmahal c.p. from 20.10.2016.

The Blasting section headed by me with one Asst. Manager, S.S. Sudin Prasad Singh, overseer Sri. Prasen Kumar and three mine's six boys namely P.N. Mishra, M.P. Hazare and A. Ramji. The working hours of the Blasting section is in general shift between 8:00 am to 4:00 pm.

On daily basis I take information from M/s. B.M. through written report about the requirement of Blasting, from M/s MIPL - NKS (JV) through Telephonic call from Ramchandra Pandit or through Lalukharia, Incharge Supervisor of M/s MIPL and from Dept. Balasore. I had gathered information from records and accordingly I used reasonable blasts in different patches in OB as well as in coal benches. As per my instructions overseer Sri. Prasen Kumar takes requisition with my signature for the requirement of explosives from magazine and SME supplied will be included at my office about requirement and site of blast for the supply of SME i.e. from M/s IDL x M/s IBP.

A. C. I. 2017
 01/11/2017
 Narash Kumar Singh

14/11/2017

14/11/2017

Continued p-2

In general, the blasting was done from the mine - also (as) to the extent of blasting of OB and coal benches. Some other benches also available. Mining section will be allocated.

On 28.12.2016, Smt. P.N. Mishra, mining Secy. came. She first heard, performed / conducted one blast in coal face and one blast in OB & C.

On 28.12.2016, I had suspected D. P. Singh, Pats. L. and Mahabir Singh, Pats. L. i.e. Mr. M.P.L. Nishan but at 11:30, Pats. L. where explosives are being changed for blasting at coal and OB benches. I had not suspected but I sent Smt. P.N. Mishra to the site of blasting. After that, he reported that work is going on and after the blasting is over, mining Secy. P.N. Mishra reported over walkie-talkie that blasting was good and then he informed the Secy. in my office at 1:30 pm.

I am fully aware that the area is faults i.e. major fault, and the blasting of OB and coal benches as per my knowledge when I took charge. I engaged with surveyor and the distance between the work face / blasting face of OB and coal face was not less than 50m and not less than 75-80m between coal bench face and fault (concrete). I have no knowledge about other minor faults.

I have not seen geodys. plan and never been to survey office to enquire about the same. I was not ^{involved in} scheduled blast or keeping track of the movement of the blast faces in coal as well as in OB. The blasting was done only based on the available information of the drillholes and blast conducting.

4/11/2017

4/11/2017

Continued page - 3

4/11/2017

At Depositional Patch was at some spot of controlled blasting as per that with some considerable controlled blasts and also by Roman fired also sent to neighbouring villages also blasting with in range zone of villages, these blasts were monitored for vibration and ground R/V is recorded.

At M-20 Patch OB bench and in coal bench there was no p.p.v. measurement. I feel that at M-20 patch, blasts should have been monitored looking into the condition of major fault behind the OB bench, this I feel now.

I understand that proper design of blast pattern and conduct of blast is essential to maintain proper benches. But systematic approach in conduct of blasting and its marking on the plan and knowing the position of hidden faults was not ensured, only due to the reason that I thought the fault is minimum 50 m away from the OB bench.

01/10/11
 11/11/11
 11/11/11

On 22.12.2016 I inspected M-20 patch which was scheduled for blasting in OB bench as well as in coal bench. I inspected both the benches, at the OB bench which is about 20-22 m above coal bench along the strike. I have seen/observed vertical cracks of varying length of 5 cm to 3 m in length in patches at a distance of 5-10 mts by a horizontal distance of about 40 m along strike. The condition of above benches was not known to me as my blasting was not scheduled at that benches only for the last two months. Between OB and coal bench and B bench above coal seam (Thickness 3.6 m) is regularly being blasted and coal and

11/11/11

11/11/11

continued per 4

crack in the concrete. In general and also specifically in March 2016 I had indicated necessary steps in monitoring cracks to keep minimum clearance along the track from situated at the top of log bench so that minimum clearance is covered to the banking area where the fault is situated.

In the month of November discussed with Manager Sd. Premachandran to remove the old old dump at the top benches after knowing from the Surveyor and Safety officer Sri. Bannuraj that crack is being developed and the same is being monitored. The major reading at the crack subsiding was informed to me as 2" two inches by Safety officer about a month before.

This crack development at the top of old bench is very vital but as my Asst. Manager was on leave / train and I was also on leave in the same month from 1/12/2016 to 3/12/2016. & again 17/12/2016 to 20/12/2016 for the due to work load my concentration was not went towards cracks monitoring.

As per my knowledge I can't say the exact date but my Asst. Manager Sd. Premachandran told me on 8/11/2016 the crack is being monitored on daily basis by Surveyor and Safety officer, Bannuraj. I had not seen the area where it is being carried out but I am certain that it is being done and Sri. Bannuraj when ever he meets me I was enquiring about the crack and what about the Safety he was replying it is OK on 28/12/2016 and one i.e. Safety officer or Manager informed about

Continued Page 5

4/1/17

4/1/17

was advised off or on of A.M.P., the block was
conducted by ensuring with the market
managing system from block to one and one
one. Asst. manager.

I fully agree that exploration
plans of block by the Planning cell and
expanding the same after the block and paper
action of release for balance to know the
details of geological features is essential
for a magnitude of the mine where every
day 4 to 5 blocks are being conducted to
maintain production levels of kind i.e. over
2000. Load figures known to me approximately
1800 ton/ 2900 O.B.

I agree that the approach and
system should develop in blasting especially
zones like in areas M-20. Patch (M/C. MIPR-
N.E.S. (IV), where O.B. old dumps load (Dead) and
other geological disturbances like faults
leads to avoid occurrence of such type
of bench collapse.

~~geological~~
~~system~~
4.5.17

Present this statement
in the presence of Mr. Alex
and the statement is over.

~~R. J.~~
4/11/2017

The statement is recorded
in my presence and signed
by Mr. Narech Pansud.

~~OK~~
10.11.17
4.11.17

Statement of Shri. Santosh Pandit S/o Shri. Manish Pandit, Age about 30 years, Designation Excavator operator of M/s. MIPL-NKAS (JV) in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKAS (JV), Contractual (Dahernangi) Patch in Rajmahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident to approx. 23 persons.

Permanent Address:-

Village :- Vardav Talu, Chandwara Gaikda
 Village :- CHANDWARA GAUDA
 Post :- GOMO BARWADI
 Police Station :- JAINAGAR
 District :- KODERMA (Earlier Hazaribag), Jharkhand
 Pin Code :- 825409
 Contact No :- 8294077481 /

I, Santosh Pandit alias Satish Prajapati, age 30 years am working in M/s MIPL-NKAS (JV), a contractor company working at Rajmahal OCP of M/s ECL. I am employed in M/s MIPL-NKAS (JV) since last 05 years (f.o.i - 01-01-2012) as operator. I work as operator of excavator machine. I work in 8 hours shifts on rotational basis and shifts changes every 8th day (weekly). I regularly work for extraction of coal seam in Dahernangi patch in Deep Mining zone. Shri Raju Patel is general shift supervisor for coal excavation job. For coal excavation job, total 5 excavators are provided and about 50 tippers (16T) are also provided. One grader and one dozer are also provided. Coal is extracted in all the three shifts. There are total 4 supervisors in the coal extraction area, and two each in Day & Night shifts are working on 12-12 hours basis. These four supervisors are ① Shri Suman Jha ② Manish Dubey, ③ Satish Patel, ④ Dhruvanjay Singh.

Shri Raju Patel, the overall general Shift Supervisor of Coal extraction Area reports to Shri Ramesh Patel alias 'Mama', General Manager of M/s MIPL-NKAS (JV) at Rajmahal OCP site.

Shri Lallu Khan, the overall general Shift Supervisor of O.B. removal/extraction reports

Santosh Pandit
 04/01/17

Confidential

04/01/17
 11-min / roof

to Shri Bunt Singh, General Manager of M/s. NKAS (IV) at Rajmatal C.P. site.

The Overburden job and coal job were looked after by Shri Bunt Singh and Shri Ramesh Patel, respectively. Their establishments, camps and machineries are separate ~~but~~ and generally these were not mixed up.

In beginning since appointment ^{in M/s. NKAS} for about three (3) years I worked in Lohandipata and used to operate excavator for coal production. I am now working in deep mining zone (Dahamangi Patch) from April, 2015 after contract was given to M/s. NKAS (IV). I was allocated excavator (Volvo, 460) S. No. 4, of 3.2 m³ capacity and I worked on this up to only except when it was under breakdown occasionally. This was a brand new machine. Most of the up's were new and last purchased in beginning of 2012.

In Dahamangi patch / deep mining zone since April, 2015 all the coal was extracted by M/s. NKAS (IV) under direct control of S. Shri Raju Patel and Ramesh Patel; and as instructed by other supervisors of the contractor. The manager of ECL and Assistant Manager of ECL were S. Shri Pramod Kumar and Dilip Roy, respectively and these two officials were daily giving instruction regarding place of coal extraction & loading and transportation up to CHP of the ROCP.

At coal face extraction bench/area within contractual patch, supervisors (Overman & Sirdar) and shift assistant manager were regularly coming on duty and they used to supervise the coal production activity.

On 29-12-2016, I was on duty in 1st shift (05:00 AM to 01:00 PM) and after giving attendance at camp office, I along with other 2 p.c. operators of coal patch of the contractor went in a Bolero vehicle to deep mining zone's coal face. This coal face was

Sir, 29/12/2016

Signature
04/01/2017

Contract 3

Deep mining / ROCP

contd. from p. 2.
 extraction from north of the pump station, at bottom
 of deep mining zone. Two excavators (S/Nos 3 & 6)
 were near pump station and other three excavators
 were near the exit side of coal haulroad, about
 300m distance away. These were excavators Nos 4, 1 & 7.
 M/c Nos 4 & 7 were under break down. I was allocated
 m/c No. 4. Shree Niraj Singli was allocated No. 3 m/c
 and Shri Keshav Prasad Patel was allocated No. 6 m/c.
 H/c S/N No. 4 was checked by me visually, and in its
 surrounding. Shri Satish Patel ^{and Manish Dubey} were Night Shift
 supervisors and they were standing near m/c Nos. 3 & 6.

At about 08:00 AM, when I found that the
 other two m/c's were not deployed/moved for the
 coal extraction job, I went to these supervisors
 and enquired why m/c's were not working. They
 informed me, in presence of other two m/c
 operators, that the coal bench and overlying
 OB benches upto top had been cracked and
 had lot of pressure on the bottom side benches
 (of coal & OB). I also saw there prominent visible
 vertical cracks in coal seam & overlying OB
 bench. These cracks were approx. 15m - 20m (approx)
 apart. Also I saw a horizontal wide separation
 & sliding of strata (OB) at about 15m above the
 top of coal seam. Shri Satish Patel & Manish Dubey
 told us not to work as they were consulting the
 superiors. He talked over walkie-talkie to someone
 and then an overman reached there and instructed
 supervisors not to commence coal loading & the left.

At about 9:00 AM (on 29/11/16), Shri Raj Patel
 overall H/c Supervisor of H/S MBL - NGRS (V) reached
 near pump station & 2 m/c's along with 1st i.e. Day Shift
 two shift Supervisors s/shri. Dhananjay Singh & Suman Thakur
 They talked over radio with ECL supervisors &
 assistant managers between 9:30 to 10:00 AM. Then
 at about 10:00 AM, Shri Praveen Kumar, mine
 manager in his vehicle reached there and

Shri Raj Patel
 H/S MBL - NGRS

Sept 29/16 contd. from p. 2
 04/10/17

contd. on p. 4.

could blow 3 - g. (Santosh Pandit) and talked to Shri Raju Patel and enquired why coal loading was stopped. Shri Raju Patel told him that the coal loading area was in dangerous condition due to heavy pressure on sides and widening of existing cracks and falling of materials (much) into the cracks & from the sides. Then Shri Pramod Kumar & Shri Raju Patel, both walked towards east side along the coal seam up to loading face (50m away) and came back after 10 minutes. Before leaving, while he was in his vehicle, Shri Pramod Kumar instructed Shri Raju Patel to start coal loading. Then he left that place. It was about 10:30 AM.

At 10:35 AM, Shri Raju Patel talked to all three w/c operators and instructed us to start the coal loading operation in the blasted coal area (last blasted on 25/12/16) on east of the three afore said vertical cracks. All the three operators & two supervisors told Shri Raju Patel that there was danger of apprehension of slide, therefore, they all including me shall not start the w/c and load coal. At that time about 30 tippers were waiting on haul-road for loading coal.

Shri Raju Patel told us that mine manager (Pramod Kumar) would scold/abuse them if coal was not loaded & dispatched, hence, he requested to do some coal loading. Then at about 11 AM, two w/c (Sr No 3 & 6) were started & marched to coal face and coal loading & ~~dis~~ transportation started/commenced at 11 AM. I went away and stood near my w/c. I saw that coal loading & transportation was done up to 01:00 pm (on 29-12-16). Then the shift ended, 2nd shift operators reached there. They were total three and the two supervisors also returned back.

Signed
 on 01.12
 1st shift / 1st shift

Santosh Pandit *[Signature]*
 04/01/17

Control - S

Contd. from p. 4. (Sanjay Kumar)
 We all 1st shift operators including my present at
 OBM benches camp in the BKM vehicle. I was in the
 camp.

On 29/12/16, at about 7.00 pm, there was
 radio message that there was huge OB slide
 in the M/s MRL-NKAT (JV), locally called Hakukchi
 patch. I went to accident site i.e. slide area
 on 30/12/16 at about 8.30 AM. I did not see
 any signs of men & m/c working there in OB.
 The OB benches & OB dump had slid down and
 filled up to bottom of deep mining zone. The affected
 area was from top of OB dump up to coal seam of
 overlying OB bench (in-situ). There was failure
 of sides from north side benches, from east of
 pump station up to far east near RML patch.
 There was a wide disturbed & cracked zone
 on the north side high wall in the patch where
 width of the o/c working was less and narrowed.

Shri Pramod Kumar, manager was very
 much aware about the cracks & disturbed zone
 in OB & coal benches and had been visiting these
 mine workings regularly at about 9.30/10.00
 AM daily.

In this accident, total 23 persons were
 trapped in debris along with large nos. of H&MHC. Total
 18 bodies of the deceased have been recovered till
 03.01.2017. Rescue/recovery work was going on
 continuously.

On 26-12-2016
 On 01/17/2017

On 26-12-2016, when I was on duty in
 1st shift, I saw CMD Sahab & 4 (four) other
 VIP visitors coming up to my working place
 of coal loading which was near the narrowed
 down patch of deep mining zone's bottom. They
 came in two vehicles and behind them in
 other vehicle Shri Pramod Kumar came
 with his driver. Shri Sumantha, my Super-
 visor in the shift was present there and he

Saw this Permit

Sanjay Kumar
 24/01/17

Contd. on p. 6

instructed me to stop the excavator being operated by me. I switched off the engine. They (visitors) were there for about 15-20 minutes. I don't know what they were talking to I was in my seat of excavator. Shri Prasad Kumar was talking to them. Then, first Prasad Kumar left in his vehicle followed by others in two vehicles.

The cracks & disturbances in O.B bench & coal bench and sides started about one month back. But these started increasing about 15 days back (from back of Slided date). The disturbances & cracks increased further from 20/12/16 and got expedited after blasting done in the coal (around 25th December, 2016).

I did not see Shri Dilip Roy in my working place in 1st Shift on 29-12-2016.

I also took part in rescue/recovery work daily after the mishap/accident. I helped in removing the m/c (buried) but no person was retrieved by my machine.

This accident could have been averted if the mine officials stopped the deployment of machines & man for extraction of O.B bench and coal at bottom and taken adequate precautions; and not neglected the dangerous signs & symptoms of bench failure / side failure. Also in time, they should have withdrawn persons from the cracked / disturbed / danger zone.

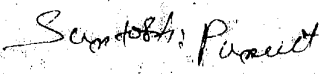
My statement is over.

(Santosh Pandit)
4/1/2017

I read and explained in Hindi to Shri Santosh Pandit, he accepted it correct and signed in my presence.

I recorded this statement. Shri B.S. Chakraborty, WI read over & explained in Hindi to Shri Santosh Pandit who accepted it correct.

(Signature)
4/01/2017

MANALAXMI INFRACONTRACT PVT. LTD.		MANALAXMI INFRACONTRACT PVT. LTD.	
Rajmahal, DCP, Rajamahal Area, EGL, Lalmajra, Gaidaha, Dist. (Jharkhand) Contact: (0)65806228002			
I-Card No. 46		I-Card No. 46	
		Address : YADAV TOLA	
		PO: CHANDAVARA GAIDA	
		Ghana: CHANDAVARA GAIDA	
		Dist: HAJARIBAG	
		State: JHARKHAND	
B Form No: 22		Identification Mark:	
Name: SANTOSH PANDIT		Issue Date: 22/09/2014	
Father Name: MUNI PANDIT			
Designation: OPERATOR			
Joining Date: 04/01/2014			
 Authorise		 Employee Signature	

Santosh Pandit

4/1/2017

Statement of Shri. Rajesh Patel, S/o Shri. Jayantilal Patel, Age about 34 years, Designation Supervisor, of M/s. MIPL-NKAS (JV) in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajmahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident to 22 persons.

Permanent Address:-

Krishna Nagar, Behind Bus Stand
Village :- Bhaya vadad
Post :- UPLETA
Police Station :- Bhaya vadad
District :- Rajkot (Gujarat)
Pin Code :- 360450
Contact No :- 7371008109

I, Rajesh Patel, Age 34 years am working as Supervisor of M/s Mahalaxmi Infra Contract Pvt. Ltd. since last 4 $\frac{3}{4}$ years (April 2012). First, I worked with them in Lohandiya patch for coal loading & transportation job. Then Lohandiya contract was over in December, 2014.

In April, 2015, a contract of about 20 million cubic meter OB removal and 7 million tonne coal loading & transportation was given awarded to M/s MIPL-NKAS (JV) at Dahernangi patch of Rajmahal OCP, M/s ECLtd.

My nickname is Raju Patel and my colleagues call me by this only. I look after only coal related jobs. I report to Shri. Ramesh Patel, General Manager of M/s MIPL-NKAS (JV) and he looks after the coal preparation, loading and transportation (to C.H.P.) jobs. My counterpart in OB removal job is Shri. Lallu Khan and Shri. Bunt Singh is Project Manager. Shri. Arvind Patel is Manager for OB removal activities.

Myself and ~~Dhananjay Singh~~ work in the General Shift only from 08.00 AM to 08.00 PM. Other Supervisors work in two shifts basis in 'Day' & 'Night' Shifts. On 29.12.16, in Day Shift 3 Supervisors, namely S/Shri Dhananjay

During this time I was in post

Signature
21/01/17

Signature
04/01/17

Confidential

contd. from p-1.

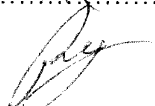
2. (Rajesh Patel/56/279)

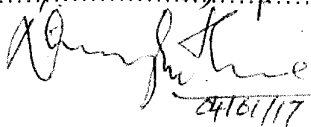
Singh, Surman Jha & Tilendra Mishra were on duty. They took charge from S/Shri Satish Patel & Manish Dubey, both Supervisors of Night Shift of 28-12-2016 at 08:15 AM in the work place at Deharnaungi patch.

on 28-12-2016, in 3rd shift operators 3 nos. (S/Shri Chhotu Yadav, Chhotu Upendra Vishwakarma) & Kishore) were working and they were allocated jobs but only one PC (No.4) & later PC (No.6) was worked there by Shri Upendra Vishwakarma and Kishore, respectively on west side of narrow patch of deep mining zone upto 00:30 am (29-12-16). There after no work was done in coal in the 3rd Shift of 28-12-16 as at the face fresh crack appear

On 29-12-16, I reported for duty and went to my work place at 08:30 am. No coal loading was going on in 1st Shift. All three Supervisors of Shift present there met and informed me about that newly crack. I told them to wait till arrival of mine manager on his daily inspection round. At about 10 AM, on 29-12-2016, Shri Pramod Kumar, Mine Manager reached there and came towards at face (Coal) about 350m east of pump station of deep mining zone. I showed him the crack developed in the floor & extended in the coal side (6m). The crack was about 1" (2.5cm) wide & open. The thickness of coal ^{seam} was about 50m at that area. He told me that this crack was due to fault and there was no danger, hence, start coal (blasted on 28/12/16 between 01:30 pm - 02:00 pm) loading at that face. He told me to engage one pc for coal and one pc for the interband parting (2.5m). This parting was extending toward east side. He was standing there and insisted to start coal loading early. The coal loading started at about 10:45 AM by engaging one pc shovel (Volvo-460, S/N No 3, operated by Neeraj Singh)

28/12/16
08:15 AM
PC No. 4




04/01/17

contd on p-3

Total 35 tipper were waiting for coal loading. I stopped the coal loading at 01:00 pm (29.11.16). I stopped the nyc operation and asked the operator (Neeraj Supt.) to march & park the p.c. near the pump station. I instructed Shri Suman & Dhannjay, Supervisors to keep the coal loading operation stopped till I came back from camp after lunch break. By that time, i.e. 01:00 pm, the 2nd shift operators had reported at the mine. I left the workings at about 01:15 pm went to camp and returned back at about 02:00 pm. I again inspected the coal bench face and asked 1 p.c. (operated by Shri Dinesh Yadav, Sr. No. 4) to be deployed for coal loading. At about 02:15 coal loading was again started and all three supervisors were present there. I was also there & observing the sides/cracks/disturbances. Then, I observed some small falls from the coal seam patch left above my working level towards west side. At that time, I was standing on the haul road and 30m above me towards north side.

Then, I went at above bench below which this falls were observed. I stayed there & observed; and there I found continuous falls from that left out coal seam patch. Then, I called Sh. Lallu Khan, overall I/c (OB) Supervisor to come down at that place and informed him that I was going to stop coal loading and he should also come & see the OB loading from the inter-band area through one p.c. (No. 47).

At about 04:00 pm Shri Lallu Khan came there & I talked to him and showed him the places from where falls (s/s) were observed, he also observed 2-3 falls. He confirmed that falls were occurring. Then I told him that I was going to stop coal loading and he should also

Rajesh Patel

24/10/17

Contd. at 4

Observed
at 01:00 pm
at 02:00 pm
at 04:00 pm

instruct his P.C. operators to stop OB handling. He agreed & instructed his supervisor, Shri Kishu, to complete the last vehicle ^{load} and stop further loading (of OB) job. This was conveyed on Radio. I had already conveyed Shri Siman, Supervisor to stop the coal loading by P.C. (No. 4). Shri Lallukhan, left place & again went to his OB dump rehandling working area. This OB dump rehandling area was immediately on top ^{west side} of the OB benches in North direction. It was 04.30 pm.

The falls observed were on the ~~east~~ ^{west} east side of the electricity lighting pole (still existing 12m below the approach road made for recovering bodies/machines) from the fault zone. The material falls was rolling down up to haul road of coal bench, about 35m below. The loading point of coal was about 300m on east side of these falls occurrence area.

Blasting in coal ^(ben) was last done on 28/12/16 by ECL Supervisor (P.N. Mishra, Sirdar) and official (Naresh Prasad) at about 1.30-2.00 pm. At OB of interband (2m - 5m thick), blasting was also done in same round on 28/12/16. Previously, on 22/12/16 & 23/12/16, in the same area coal & OB were blasted and the blasted materials were being removed.

On 29.12.16, After Shri Lallukhan left for his working place, I went to my coal bench area. After 15-20 minutes, I also went to OB dump rehandling area and asked Shri Lallukhan what was going on and why he was called by supervisor (Madhubhai Patel). Shri Lallukhan told me that there was some subsidence on the haul road (OB) and it was to be repaired by dumping of OB and levelling by dozer & grader.

Then at about 05.45 pm I went to my coal bench area (near pump) where ^{2 excavators (S.No. 4)} ~~excavators~~ were.

[Signature]

[Signature]

04/01/17

Contd. - 5

Rajesh
 04.01.17
 12-11-17

placed and asked operator to take his p.c. also near the other top p.c. I still kept observing the top side on north direction and found that falls were increasing gradually. It had become more from morning/afternoon. I called Shri Lallykhan and told him that side falls were continuously taking place and ~~if~~ ~~he~~ I consider it unsafe and leave the working, remove person and machines after telling the company's superior. He told me that he will do what is necessary. I left mine at 0630 pm & reached coal camp of the MRL-NKAS (JV). I was in the camp & then went to CHP to see the dumped coal. While returning to camp I received information ~~at~~ near ~~the~~ ~~camp~~ at the camp gate itself that OB dump had slipped down. I went there, nothing was visible due to darkness but I could see huge OB flowed down from OB dump to coal seam which were also covered. Rescue & re-covery work commenced at 12.00 midnight & 20/30-12-16 recovered.

The coal extraction & loading is done as planned & instructions given by the officials of M/s ECL's Rajmaha OCP. Generally instructions are given personally by the mine manager, Shri Pramod Kumar. He forcefully insists to continue or commence coal loading & transportation activity in our contractual patch. Other officers namely S/Shri Nayak Saab, GM (OP) and Shri S.K. Singh, GM (Incharge) also come to my working area. Shri S.K. Singh is final authority and his instructions has to be followed whatever may be situation or condition.

On 26-12-2016, at about 12 Noon, the CMD of M/s ECLtd, visited the deep Mining zone's Daharangi patch and visited/inspected the coal loading face where blasted coal of 23-12-2016 was being lifted. They were total five or six persons and I could recognize two of

[Signature]

[Signature]

04/01/17

Contd. on 6

Physically
04-01-17
W1-min/Ret

them, one was Shri S.K. Singh, GM (Incharge) and other one was Shri Praveen Kumar, Manager. They discussed there for about 15-20 minutes. None of them talked to me or gave any other instructions.

During Nov. 2016, total coal production from my contractual patch (Daranaugi) was about 7 lakh tonnes and Dec. 2016 till 29th was about 4.50 lakh tonnes.

This accident occurred due to (1) load on top due to old dump which was not removed before extraction of coal at the bottom, and (2) the dump and coal extraction was in crack zone of fault area (3) High benches on north side above coal seam bench. In my opinion, the old dump O.B. should have been removed first, benches formed properly before extracting coal at bottom.

My statement is over.

(Signature)

11/01/2017

21921, 711

I recorded this statement. Shri B.S. Chakraborty, WMI-K^o read over & explained in Hindi to Shri Rajesh Patel and he signed in my presence.

I read & explained in Hindi to Shri Rajesh Patel and he accepted it correct and he signed in my presence. *(Signature)* 04/01/2017

(Signature) 04/01/17



ભારત સરકાર
GOVERNMENT OF INDIA

ચોવલિયા રાજેશ જેન્તીલાલ
Chovalliya Rajesh Jantilal
જન્મનું વર્ષ / Year of Birth : 1981
પુરુષ / Male



7000 0168 5208

આધાર -- સામાન્ય માણસનો અધિકાર

[Signature]
રાજેશ જેન્તીલાલ



ભારતીય વિશિષ્ટ ઓળખાણ અધિકારી
Unique Identification Authority of India

સરનામું: ભાયવાદર, ભાયવાદર, રાજકોટ,
ગુજરાત, 360450

Address: Bhayavadar, Bhayavadar,
Rajkot, Gujarat, 360450

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1947
1800 300 1947

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www.uidai.gov.in

Statement of Shri. Sudhai Prasad Singh S/o Shri. Ram Prasad Singh Age about 56 years, Designation Asst. Mgr. Blast M/s. Eastern Coalfields Limited in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited, resulting in fatal accident to approx. 23 persons.

Permanent Address:-

Village :- Narayanpur
Post :- Sultangum
Police Station :- Sultangum
District :- Bhagalpur
Pin Code :- 812213
Contact No :- 9771447264

I, Sudhai Prasad Singh, S.C., working M/s ECL since 1986 and working as Asst. Mgr. Blast at Rajamahal OCP since 20.12.2016. On daily basis I report to my work at 8 am in general shift, after discussing with blasting officer Mr. Ram Prasad. I arrange explosives requirement as per the schedule of blasting. Blast is conducted in the morning. Six days of my section.

I, in my routine inspection, can't inspect all the sites of blast, as advised by the blasting officer. I make my inspection to my knowledge continuously. As per blasting of OB and coal benches is taking place for the last 2-2 months. The blasts will be scheduled once the completion of the drilling at M/s MIPL - NKS (JV), M-20 patch. I was on leave "on Blast & Explosive related Safety" from 25.12.2016 to 31.12.2016. Earlier to that period on dates 18/19/20, 20/21/22 of Dec 16 I had inspected the site of blasting at OB as well as coal benches at M-20 patch of M/s MIPL - NKS (JV).

there were three OB benches above the operating OB benches and below that there were

5/1/2017

5/1/17

continued p-2

These benches of coal of thickness of 8m. and width of about 14 to 15 mts. the OB benches above coal benches were of height 8-10m and width being 15-20m.

As per the blasting and blasting control the benches in OB as well as in coal were blasted towards North and NE direction.

As per the blasting responsibility of Ashwarya, all the persons under my charge shall be provided safety and i.e. it is my responsibility.

I have observed vertical cracks above operating OB 2nd bench i.e. above coal seam, these cracks were vertical to the height of 3 mts. in patches to the horizontal distance of about 10 mts. for the entire length of the vertical wall of the OB bench for about 30 to 40 mts. (Can't say exactly) as I have not measured. The area was having vertical cracks for quite good length.

As I am employed in this mine more than 10-15 years, I am aware of major & minor fault but in respect of other F8 & F10 fault I had no much knowledge. But I am aware that the daily OB & coal at M-20 patche blast are falling in the fault zone of F-8 fault.

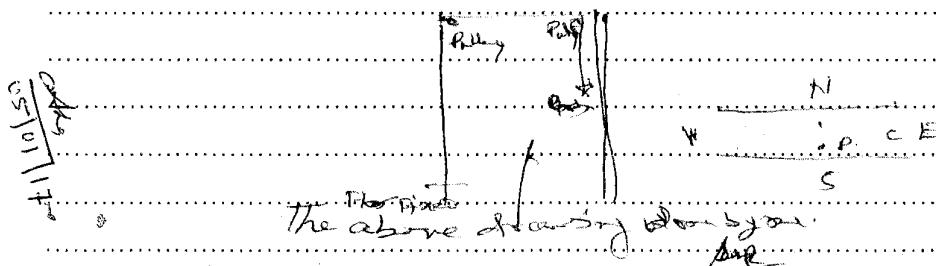
I have not made any section. Prepared from the survey to know the exact location of faults. I agree and also no written complaint given to my seniors or status of vertical cracks at the vertical wall of the 2nd OB bench in my diary also no information with respect to the issue of inspection. Results of inspection in respect of violations / changes observed. I have not recorded.

Shy
5/12/2017

5/11/2 Continued Page 3

I submit that there is a clear & obvious safety observation regarding an unsafe working condition below in respect of those observations when I used to assist Mr. A.C. Patel O.B. and cont. benches being I was actively and discussing about the crack monitoring of the with Sd/- Dilip Roy, Asst. Supt. Civil Engineering of M/s. M.P.L. - M/s. (C.M. 20) Patel.

Sd/- Dilip Roy, Asst. Supt. told me that no threat to safety as we were monitoring cracks every day on concrete regular blocks as shown. I myself had also inspected the area above O.B. bench along the bank as of dead end O.B. (upside down) from the viewpoint of road approach, then travelling towards it then one bench down and then approached the crack area and have seen that the joint arrangements with plumb with three and pulling arrangements.



How many areas this type of crack is being monitored. I specifically not asked neither Dilip Roy specifically had not informed he only used to answer upon asking that nothing to worry and the crack is regularly being monitored. The above arrangements were made in relation O.B. bench as above in the floor of the bench. The details as per me the crack was about 1 1/2" wide along E-W direction, the length of the crack was about 8-10 mtrs and it is very clearly

Page 2 of 2
5/11/17

Continued P. 4

I had requested the site of Coax monitoring
 in the first week of December 2011, after
 several in the remaining weeks during my
 schedule of blast at M-20 patch OB & Conf
 benches blast. I was given information and
 discussed with Sd. Dilip Roy, AM in charge
 and he was informing that regarding the
 crack is being monitored and safety threat
 you can conduct OB/Conf benches blasting.
 I feel that some where the crack
 monitoring system had failed and this
 major collapse had occurred.
 Lastly I had visited the site
 of OB & Conf benches on 22.12.2011 back on
 that day I had not visited the crack
 monitoring site but enquired and discussed
 about about the crack he replied every
 thing is ok you can conduct blast and
 further he said that during work is being
 monitored. Based on his assurance I was
 engaging Blasting crew for conducting the
 Blast. I informed about the crack monitoring
 to North Press, Blasting officer after I visited
 and seen the monitoring site. He advised
 me to be cautious and keep track and regularly
 take information about the crack from
 patch in charge Dilip Roy, AM, before conducting
 blasts in M-20 patch OB & Conf benches.
 I was engaging Blasting crew only after
 ensuring safety and crack details monitoring
 from Dilip Roy, AM, accordingly and also
 OB and Conf blasted was also escalated
 at the conf and OB benches to create
 next drill for the subsequent round of blasting.
 The OB & Conf benches were advancing on
 N and NE direction.

05/11/17
 2/12/17

5/11/2017 Continued Page 5

I understand the danger in dealing with this. It will be the first time in the coal bench lanes and all bench lanes are advancing with respect to fault plane. Safely barrier against the fault plane but in instant case at M-20 cross sections were prepared and analyzed and I took initiative in preparation of section in assessment as above. Normal cases of incidents occurred from the site supervisors and incidents from the blasting officer to conduct blasting and regular blast were being conducted.

Had this accident could have happened during blasting crew was at place of time, crew crew along with supervisor's life would have been endangered.

I have not much knowledge about dead weight how much but I know of dump is exactly, I never enquired about the weight and other details.

I agree that I had not monitoring during information with details of time of inspection, instruction received from section. Usage of M-20 section regarding exactly monitoring and also the instructions / action taken report. It is my mistake, I will not repeat such thing in future even in M-20.

OB x coal benches P.P.V. was not monitored but at Rami patch P.P.V. is being monitored and submitted the recordings. I ~~was~~ ~~not~~ ~~know~~ ~~ing~~ ~~that~~ I should have also monitored P.P.V. at Cassin as my blasting officer and manager never instructed me to do it.

I agree and corroborated with the statements of my magazine clerk Bix Prakash Rai and my blasting officer Ravi Prasad.

5/11/2017 5/11/2017 Contd P-6

5/11/17

I feel very pain for the occurrence of this
massive collapse of old old shop building
as known from others about 23 persons
and 56 materials, 1 day, 12.11.2017.

I recorded of his statement
in the presence of S. D. K.
Sinha, W.D. and the S.D. 4
is given.

I agreed with my
statement

[Signature]
5/11/2017

[Signature]
5/11/2017

His statement of S. D. K. Singh
was recorded in my presence
and he signed the statement
in my presence.

[Signature]
A. K. Singh, 05/11/17
W.D.

68/279

Statement of Shri. Mohammad Ejaz Hussain Ansari S/o Shri. Md. Fida Hussain Age about 27 years, Designation Mining Sirdar of M/s. ECL Ltd., R.C.P. in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident to 23 persons (approx.)

Permanent Address:-

c/o A.S. Medical
Village :- Ena Islampur
Post :- Bhagatoli
Police Station :- Jharia
District :- Dhanbad (Jharkhand)
Pin Code :- 828111
Contact No :- 9534147721

I, Mohammad Ejaz Hussain Ansari S/o Shri. Md. Fida Hussain Ansari Age 27 years am working as Mining Sirdar and employed at Rajamahal OCP of ECL since 11-8-2016 in capacity of Mining Sirdar. I am Diploma in Mining Engineering. I have not been given any authorisation letter/slip specifying my job and duty place regarding appointment as competent person at Rajamahal OCP.

At the time of appointment I was given a letter from CH office and reported to Mine Manager, Shri Banmod Kumar; he issued a letter & directed me to report to Shri S.K. Choudhary ^{Manager} Assistant Manager I/c of one shift work in rotational basis. He is assisted by two other assistant managers namely, s/shri R.K. Singh (2nd class) & Vijay Kumar Singh (2nd class). There are 4 overman and 10 mining Sirdars in the shift. The shift supervisors and officials are divided in two (2) parts for inspection of (i) R.C.M.L. patch (including departmental patch), and (ii) Deep Mining zones (Dahernangi patch). In the mine, OB (overburden) was removed at departmental patch, R.C.M.L. patch & Deep Mining zones Dahernangi patch (Mahalaxmi patch). Also, in the mine, coal extraction was done in (i) R.C.M.L. patch & (ii) Deep Mining zones (Mahalaxmi patch) Dahernangi patch. These two patches/workings were done by

Md. Ejaz Hussain Ansari

[Signature]
29/01/2017

Conf-82

Copy 117
05/01/17
M1-min/ROF

Contractor P1

(22)

Mr. Ejaz Hussain Avari

69/279

Contractors. In departmental protection coal
was extracted.

Weekly My day of rest is Friday. Shift rotation
is taking place on Sundays. Till 24.12.16 I was in 3rd
shift (10 pm to 6 am next day) and on 25.12.16 my shift
changed and I came in the shift is 2nd shift
from 25.12.16 to 31.12.16.

I do not write any statutory report book
or Sirdar's diary. Also, I do not put my signature
on any record or control room entries.

I have not been provided with any
"Bound-paged Mine Sirdar's Report Book" since my
appointment. No other mining Sirdar in the shift
was also writing report in the bound paged book.

I used to take charge & hand over charge on verbal
intimation to my relievers. On 25th, 26th & 27th Dec
2016 I went in 2nd shift (02.00 pm - 10.00 pm) and
worked at Deep mining zone's 3rd in-situ haulroad.
There were three haulroads in in-situ OB and
one haulroad in coal top. The OB dump reloading
area was having separate haulroads (2 nos.).

On 29th Dec 2016, I went to 1st in-situ haulroad of OB
(locally called middle bench OB). There was
one plumb bob arrangement to measure the dis-
placement across the cracked zone, at 15m (5 ft)
apart i.e. tied end & plumb position. At 2.30 pm
on 29.12.2016, the plumb bottom was showing
28 cm on the steel strip "measuring/ marked ruler".
I stayed there till 3.30 pm and I found the reading
as 30 cm. This ~~was~~ indicated 2 cm sliding/
displacement in one hour. I immediately
called control room and Shri Jitendra Bhai,
overman was informed regarding this 2 cm
displacement. At that time, another overman Shri
Kailash Kumar Upadhyay was also present in control room.
They understood the message conveyed to them.

Deep
05/11/17
road

Mr. Ejaz Hussain Avari

Signature
05/11/17

Cont P-3

Then I informed over radio (walkie talkie) to Shri Vijay Kumar Singh, 2nd shift I/c assistant Range of Deep Mining Zone about the 2nd crack displacement in cracked zone & I told him to come to this measurement place. At about 4:00 pm Shri V.K. Singh reached there & I showed & explained the readings and he agreed with my observation. He told me that displacement was taking place and he would inform the overall I/c of 2nd Shift Shri R.K. Singh (Ranjit Kumar Singh) of Deep Mining Zone & entire mine; and also to Shri Prasad Kumar, Mine Manager. He immediately left the place and did not talk to anyone in my presence. Then I saw him going towards the coal bench face in lower horizon. In that working place i.e. in coal loading face Shri Hem Narayan Yadav, Mining Sirdar was on duty in 2nd shift. Shri Yadav had stopped coal loading at 4 PM. Shri V.K. Singh, did not come again to my displacement measurement point at the cracked area.

Displacement
of 117
0.5 ft / Rad

This displacement measurement arrangement was made by the ECL's management and the displacement in cracked zone was measured for last 3 weeks. Beyond this cracked zone's measurement arrangement, there were also to be visible cracks on the floor of bench, but no fence or barricade was provided. All the area on east side of this arrangement was called cracked zone. Lot of small OS pieces from the side wall were observed falling down.

Shri Hem Narayan Yadav had stopped coal loading after hearing the message of the displacement over the radio earlier given by me.

Md. Ejaz Hussain Ansari

For the Contd. - 4
10/01/2017

Confidential

(Capt) Joy Thomas

71/279

I was at work place till about 7:00 pm, and I was about 7m behind the ~~plate~~ displacement measuring plumb. During this period, I did not notice any further displacement. Shri VK. Singh in this period (04 PM to 7 PM) had talked to me over radio & enquired about any further displacement in the cracked zone. I informed him accordingly.

Suddenly, at about 07:00 pm when I was facing towards east direction, I heard sliding, heard the O.B. strata pieces rolling down in the cracked zone and immediately it followed by overlying O.B. dump material from top side i.e. from North direction. I saw 3-4 tippers rolling down in my east side. Suddenly, it became dark as the lighting went off. I ran away towards west side for safety and stayed there. The sliding of loose O.B. & dump had stopped. Then I heard sounds of 2-3 persons "Bachao - Bachao" from the rolled down debris direction. I immediately informed the Control Room & Shift I/c Shri VK. Singh that O.B. benches had slid in the cracked zone. Then, ~~I~~ tried to contact Sh. Hem Nandan Yadav, my colleague over radio but I did not get any reply. On radio, I informed that I was safe. I stayed there further for another 5 minutes. Then, Shri VK. Singh ^{came} there and asked me to come in his vehicle and he took me to pit office at 8:15 pm.

I was in pit office till end of the shift. Then, I went away to hostel at about 10:00 pm. When I heard the "Bachao - Bachao" shoutings, I tried to locate the shouting persons with help of torch light but I did not see any person from my position. Then over radio, I had conveyed message to send "rescue team" but no one ^{from ECL side} came there till I was in that area.

Md. E/q Hussain Ansari

Signature

05/01/2018

contd on 5

Dr. J. Thomas
71/279

only. Myself, Mr. Maheshwar & persons were working towards the sliced debris (O.B.), later, I heard sound of Sri Manoj Kumar's Mining Sirdar he was asking me to show light towards the place from where I had heard the 'SOS' sounds of persons. I showed light from torch but I did not see where Manoj Kumar Rai was.

On 29.12.2016, when I was at my work place, at 5.00 pm I saw mine Manoj's vehicle (Scorpio-White/Black) going towards the coal bench & coal loading face. ~~later~~ I know in that vehicle Sri Pramod Kumar only travels in the mine. Sri Pramod Kumar did not come to my place i.e. displacement measurement area.

In my knowledge, during 2nd shift on 29.12.16 there was no mining Sirdar supervising the O.B. rehandling job on the O.B. dump site outcrop.

I did not see Sri Dilip Roy, Assistant Manager, I/c of 2nd shift in deep mining zone during 2nd shift of 29.12.2016.

I was not maintaining any written record of displacement measurement observed in the cracked zone and there was no such Register. During 2nd second in deep mining zone below my horizon, two excavators were working one was for O.B. removal & other was for coal extraction/loading.

Safety officer of the mine during my ~~day~~ shifts i.e. 3rd & 2nd shifts in deep mining zone. I don't have knowledge of fault but I know slide can occur near the fault plane.

This accident occurred due to collapsing of cracked zone's benches & O.B. dump. My statement is over.

I recorded this statement. Mr. Ejaz Hussain Ansari
Sri Mr. Ejaz H. Ansari read the statement, accepted correct & signed

05/01/2017

[Signature]
05/01/2017

(MR. EJAZ HUSSAIN ANSARI)

Sd/- Mr. Ejaz Hussain Ansari
Read this statement and signed
in my presence
05/01/2017

73/279



EASTERN COALFIELDS LIMITED
RAJMAHAL GROUP OF MINES
Dhanbassa, Bara Simga, Godda (Jharkhand)

IDENTITY CARD

Name of Mine:- RJML OCP

Name :- Md. EJAZ HUSSAIN ANSARI

Father's Name :- Lt. MD. FIDA HUSSAIN ANSARI

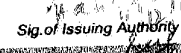
U.M No. :- 135634

Designation :- MINING SIRDAR

Date Of Birth :- 25 - 12 - 1990

Date Of Appointment :- 11 - 08 - 2016

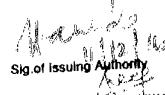
CPMF No. :-


Sig. of Issuing Authority

Permanent Address

C/o - A.S. Medical
AT - Ena Islampur
PO - Bhagatdih
PS - Jharia
Dist - Dhanbad (Jharkhand)
Pin Code - 828111

Identification Mark:-
A Mole on left hand


Sig. of Issuing Authority

Md. Ejaz Hussain Ansari

Statement of Shri. Sujay Kumar S/o Shri. Uday Kumar (Age about 42 years, Designation Overman, of M/s. Eastern Coalfields Limited in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident to 23 persons (approx).

Permanent Address:-

Village :- Akbar Bigha
Post :- Ranjanpur
Police Station :- Barbigha
District :- Sheikhpura (Bihar)
Pin Code :- 81101
Contact No :- 9693294360

05/01/19
 MI-MIN
 RCH

I, Sujay Kumar, Age 42 years, am working in Rajamahal OCP of M/s ECL Ltd. since 01.02.2014 after from Khattadih Colliery. I am appointed as Overman at this mine. I have not been given any authorisation slip/letter by the mine manager after my promotion as overman since June, 2015. I work in different shift on rotation. On 29-12-2016, I was in 2nd shift (from 12.00 pm to 12.00 am) after attendance at pit office, Shri V.K. Singh, 2nd shift assistant manager allocated me for OB road preparation on south side high wall area. There were other 4 overman, they were all allocated for departmental job and for control room charge. S/O Abhay Kr. Mondal & Shital Yadav were allocated for departmental job & dump (Lohandial) and Shri Jitendra Prasad & Kailash Kumar Pradhan were allocated for control room. No overman was allocated for supervision of the two contractual patches namely, RCML & Mahalaxmi patches where OB removal & coal extraction/transportation jobs are done regularly and also being done on 29.12.16 during 2nd shift.

ore loader operator (Rane Hansda) and myself went in a jeep (Casper) to the allotted haulroad for preparation area directly without crossing any

Sujay Kumar

Ranjanpur

Contractual

05/01/2017

OB workings or coal workings of deep mining zone worked by M/s Mahalakshmi, Contractor.

I don't know what works were being done by the concerned contractor in that stretch during 2nd shift of 29/12/2016. I don't have any knowledge regarding manpower and machinery deployed by that contractor.

At about 3.30 pm, I took charge from Shri Suraj Kumar, Overman of General Shift of 29/12/2016. He told me to be started the job if it would be continued in 2nd shift and OB Road (Haul road) ~~is~~ matching the level to be made. I instructed dozer operator to work. At about 4.00 pm, I asked over Radio, ~~supervisor~~ to my shift asst manager (VKSgt) to arrange a P.C. (Shovel). A P.C. shovel of M/s Mahalakshmi reached there. I don't know its operator's name. It worked for about one hour & left. One Supervisor of M/s Mahalakshmi, Shri Upadhyay who had come with P.C. also went away when P.C. left that area at about 5.15 pm - 5.30 pm. I left that place at about 5.30 pm along dozer operator. We returned back after 30 minutes. I received message to send dozer to dump. I sent it. Then I walked and went near the sump and pump in the deep mining zone. At that time No work was being done at coal & OB face north-East side of the pump station. Shri Hem Narayan Yadav, Mining Sirdar was nearby the pump station. There was a pump operator also there and one C/SF constable was also there.

The P.C. w/c (Shovels) of M/s Mahalakshmi were more 500 m away from pump station. I was there along with (3) above said persons within 15-20 m distance of pump station.

Suddenly, at about 07.00 pm, when my face was towards north side, I heard a big 'boom' sound of stone/OB busting, crushing of coal seam and rolling down of boulders from benches. We all rushed towards west side for

S. Jay Kumar

Shri Hem Narayan Yadav
25/01/2017

Contd. on 3

Shri Hem Narayan Yadav
25/01/2017
Red

... on own safety and found that the entire bulk of deep mining zone was full of dust & debris started flowing and filling in the available area at the bottom. Within seconds the light also got off. It was full dark due to electrical tripping. I was in front, I did not see pump paper and Hem Narayan Singh Yadav (Sirdar), I had already given information over radio to 2nd shift T/c's that slide had taken place, message was conveyed to both S/Shri R.K. Singh & V.K. Singh. Then I went in search of H.N. Yadav & pump paper. I saw, in light of torch, that both were fully covered in black dust and walking slowly to safety. R.K. Singh & V.K. Singh both reached the at 07.30 pm took all the three of us to pit office. Shri H.N. Yadav, Sirdar was sent to Verja Nagar Hospital of Rajmahal CCL, T/S ECLH. He was injured on head and thigh and treated there. He is presently referred to Mission Hospital, Durgapur and undergoing treatment.

At 3.20 pm when I was at OB Road (Haul Road) preparation area, the coal face was worked by one p.c. and OB was also removed by deploying one p.c. At about 4.00 pm, I found this activity stopped. I am not aware whether coal was loaded & transported further or not.

Over radio around 4 pm, I heard the voice of Hem Narayan Yadav who was calling Shri V.K. Singh to come to coal face as condition of the coal bench was not good to work. I later saw that Shri V.K. Singh had visited that coal face/bench area. I do not write overman's report of my duty after shift. I have not been provided any overman Diary i.e. bound-paged book.

Sri Sujay Kumar read this statement and presence of Shri V.K. Singh in my presence
 05/01/2017
 K.M. Singh/Road

My statement is over.
 I recorded this statement
 Shri Sujay Kumar read & accepted correct.
 [Signature]
 05/01/2017

Sujay Kumar
 05/1/17
 Sujay A.X. Kumar

EASTERN COALFIELD LIMITED
NATIONAL AREA
 Dhankunda, Barh District, Godda (Jharkhand)
IDENTITY CARD
 Form 'B' No. 3974 Id Card No. -126

Name: SUJAY KUMAR
Father's Name: Sri Yadunandan Prasad
U.M No.: 189119
Designation: Overman
Date Of Birth: 28.01.1974
Date Of Appointment: 08.09.2007
CRMF No.: RNJ/10/1542

Sujay Kumar
 Sig. of the Employe

Sujay Kumar
05/01/2017

Blood Group - (B+)

Present Address
 Q No B type 139/391 urjanagar
 P.O+P.S - MAHAGAMA
 Disst -Godda (JHARKHAND)
 Pin No -814154

Permanent Address
 AT -Akabar bigha
 P.O- Ramjanpur
 P.S - Barbiga
 Disst - Sheikhpura (BIHAR)
 Pin No - 811101

903376697205

24/03/16
Asst. Manager (P)

78/279

Statement of Shri. Dinesh Yadav S/o Shri. Sanjesh Yadav, Age about 32 years, Designation. Excavator Operator, of M/s. MIPL - NKS (JV) in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident. (Operator 2nd shift)

Permanent Address:-

Village :- Sonapura
Post :- Selhera
Police Station :- CHOPARAN
District :- Hazaribag (Jharkhand)
Pin Code :- 825406
Contact No :- 8757666433

I, Dinesh Yadav, Age 32 years am working in M/s Mahalaxmi Infra Contract (P) Ltd since 25-12-2011 as excavator operator. This contractor i.e. M/s MIPL - NKS (JV) is working at Rajamahal OCP of M/s ECL Ltd and in deep mining zone (Dahernangi, 20 million t. OB patch) it has started working from April, 2015.

On 29-12-2016, I was working in 2nd shift (01.00 pm to 09.00 pm) and I went in temp vehicle to deep mining zone's coal face worked by deep hole drilling & blasting in conjunction with HEMH. I have been allotted one P.C. (Shovel, Volvo 460, Sr No 4) and this m/c was not working and its operator Shri Santosh Pandit was in his seat. It was about 01.30 pm Shri Suman Thakur was Day shift Supervisor and at 2.15 pm he asked me / instructed to start Coal loading operations. I operated m/c (excavator) till 04.21 pm, then Shri Suman Thakur instructed me to stop the excavator operation, march m/c for safe place, about 600m distance away near haul road turning.

I operated the m/c, below the blast working face, near ground level for road making about 40 tippers were loaded & sent to CHF.

Dinesh

Sanjesh
25/01/2017

Contd m P-2

Sanjesh
25/01/17
MI-NKS

Contd. from p. 1.

2. (Santosh Yadav) 79/279

One PC (Shashi, S.No.) was also working at almost same time as ~~my~~ my wife. That wife operator also stopped it and parked near my wife.

At about 04.45-05.00 p.m. on 29/12/2016, the mine manager (Shri. Ramesh Kumar) came there in his office vehicle (Scorpio), white-black colour and went directly to coal face side. I saw him talking to supervisor of OB section, I don't know his name. From his vehicle itself he talked and then left the coal face area and went away. It was 05.15 p.m.

It was getting dark & cold weather, therefore, I sat in my ~~tipper~~ excavator up side.

At about 7.00 p.m., suddenly, the entire power got tripped and it was complete darkness in the OCP / deep mining zone. Then I heard the shoutings "Slide Ho gaya, Slide Ho Gaya". I wanted to go at that time but was stopped due to fear of electrocution. Lot of people started arriving there. At about 7.30 p.m. all the contractor's supervisors & employees working at coal & overlying OB band, left the working i.e. vehicle parking area and walked to camp (Coal camp of manager/Ramesh Patel). Shri. Rajesh Patel was overall in charge of the coal excavation (drilling & blasting) and loading & transportation operations of M/B MIP-NGAS (JV).

The north side coal wall having regular small falls (small pieces & crushed coal).

I have not undergone any vocational training at this mine, neither at the time of joining nor later till 29.12.2016.

I work on on the instructions given by the supervisor of the shift, or overall coal supervisor Shri. Rajesh Patel.

Yadav

Shri. Santosh
25/12/2017

Shri. Santosh
05/01/17
MI-MIP/ROCK

About 10-12 before, it was decided by the McCoal Supervisor (Shri. Rajesh Patel) and the coal loading in deep mining zone on north-East direction was restricted in Day shift only. In Night shift, coal operations were stopped. I don't know what was the reason of stoppage in night shift.

The mining sirdar, Overman & Asst Manager never gave any instructions to me nor to any of my co-workers regarding work. No PCL Supervisor or officials gave any Safety talk or Safety instruction to me or my other co-workers at the work place.

There was a cracked area east of pump station in deep mining zone up to 500m distance. In that area, near the fault at ^{eastern} end the OB ^{bench} had fallen up to 6m height and the haulroad was damaged & blocked.

I was on leave from 04 April to 15 July 16 and then again from 18 Oct 16 to 30 Nov 16. Therefore, I am not aware about the mine condition in my contractor's area.

I don't know why this accident occurred but there was sliding of OB dump of OB bench resulting in fatal accident to about 23 persons and 18 bodies have been recovered till date.

My statement is over.

I read & explained
Hindi to Shri. Dinesh
Yadav who accepted it
correct & signed in
my presence
05/01/17
KI-MH/ROCP

I recorded the ^{Dinesh} statement. Readover Dinesh Yadav
& translated in Hindi
by Shri. B.S. Chakraborty, WHI/KI/ROCP
Shri. Dinesh Yadav signed in
my presence & accepted it correct
05/01/2017

THE MINES	
RIMU GCH RIMU Area-ECL	
Contact: (03930) 101301 / 09724303134	
I-Card No: 21	
	
I-Card No: 21	
Address: SONPURA	
PO: BASARIYA	
Thana: CHOPARAN	
Dist: HAZARIBAG	
State: JHARKHAND	
Identification Mark:	
Issue Date: 14.06.2014	
Employee Signature	
Authorized Signatory	

Form No: 21
Name: DINESH YADAV
Father Name: SANTOSH YADAV
Designation: EXPORTER
Joining Date: 25.12.2011

[Signature]
Authorized Signatory

[Signature]
Employee Signature

[Handwritten]
09/01/2017

82/279

Statement of Shri. Goutam Kumar, S/o Shri. Vishnu Kumar, Age about 29 years, Designation. Mininger, M/s. Eastern Coalfields Limited, in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajamahal OCP of M/s Eastern Coalfields Limited, resulting in fatal accident to approx. 23 persons.

Permanent Address:-

Village :- Khultabandh
Post :- Jammamijai
Police Station :- Mahanpura
District :- Deo garh
Pin Code :- 814157
Contact No :- 7070579417

I, Goutam Kumar, (Diploma in Mining Engg.) working as Mininger, since 8.8.2012 at Rajamahal OCP of M/s ECL, and also I have obtained Overman Compelling Certificate in the year 2012 before my appointment at this mine of M/s ECL.

On 29.12.2012 I reported to my mining shift duty in 2nd shift and took charge from Sh. Arvind Kumar, Overman at about 6:30 am at M-20 coal bench of M/s MIPL - NKS (JV) 2nd shift mining site and in charge of OB & coal removed by excavators & tipper locations at lower benches areas and old (OB) removal area at the top at coal face coal excavator, I didn't know the capacity, I don't know the name of the excavator operator of Mahalekuni Coalfield. But due to fog, work in my shift at coal face not started, I don't remember or record of in my pocket book / diary about the details of Tippers and the names of the operators of the tippers. There were 15 nos. of tippers and I don't know the capacity of the each tipper, I have no knowledge about the safety features of the Tippers and excavators which were

Goutam Kumar

5/1/2017 Contd of P. 1

deployed at the coal face for coal loading and transportation.

The coal actual loading on the shift started at 10:30 am after manager Sir Premodh Kumar came to the coal loading bench, he discussed with Raju, supervisor of M/M PL - NKS (IV), work actually started.

As required under Reg. 113 of CMB, I had not inspected OB old dump ~~area~~ at the top benches where excavator and tippers are deployed in my shift. I have no knowledge of what time the OB (old) removal was started at the top benches.

At coal faces coal loading was stopped at about 12:30 pm as the blasted coal was exhausted. I have not kept track of no. of trips coal transported from the coal bench. After that excavator was moved on the west at about 4-00 mb from the loading area. All the 15 tippers went out of the mine. I was at the pump station at Samp where pump was running, one pump Kholasi was present I donot know his name. Sir Hem Nalayan Yadav, Mining Sirdar of 2nd Shift came to the site and I had given charge to him and came out of the mine.

I am not having knowledge why I have to give charge or handover charge to next shift mining sirdar. But I was doing the charge handing over job to next shift sirdar because I am getting allowance of charge that's why I was there at the mine till the time next mining sirdar relieves me from the mine workings.

I'll dole, ~~but~~ I had not maintained record of the inspection as required under Regulation 113 of CMB 1957. The details

Gautam Kumar

27/1/2017 Cont Page - (3)

of my inspection of workings of coal in every 4 hrs in my working shift. I am not aware that mining is not a department of his inspections details, safety inspection passed to the workman under his charge and also the details of time and date and place where and all I had inspected during my working shift.

During the entire working shift my shift (Nilem Lippo) overman had never inspected my working area of coal loading and transportation. Shift Asst. manager, Sri Padma Charamdas also did not inspect my working place.

Sri Dilip Roy, over-in-charge Asst. manager of the M/L M/L - NKS (IV) Area inspected the coal bench working area along with mine manager Sri Premod Kumar at about 10:30 am. Both of them have not given any instructions and after discussion with Raju, Supervisor of Mahalaxmi Contract work started. Both of them have stayed there for about 15 minutes and returned in Balera.

24/5/11

The bench height of coal was 6.8 mts and width was about 18 mts and there were three benches in O.B. above coal benches. I don't know the details of bench heights and width in O.B. benches.

Last three months as have not kept record of my working shift details I can't say how many days I have allocated to this working. I.C. M/L M/L - NKS (IV) : Raju I can say 8-10 times. I have performed my duty at old dump where handling of O.B. is being done and 8-10 times. I had inspected O.B. removal above coal bench

Gastom Kumar

Ref 5/11A

Continued page

and also through the coal bench
from the bottom.

About one week back the exact
date is not known as I don't ^{keep} any record
of my inspection and details. I had inspected
the O.B. benches during O.B. removal work at
the insitu O.B. benches above coal benches.
The height of O.B. bench was 8-10m and
width was about 1.5m. There were a total
of 6 nos. of O.B. Benches (i.e. O.B. insitu) above
coal seam benches.

I have not seen any
abnormal or danger or cracks at the
O.B. Benches or coal bench during my
working shift nor the working were
stopped by me for any dangerous reason.
I am aware that crack is
being monitored at the crack/fault area
in O.B. bench i.e. one bench below the approach
road of mine fan.

As I have habit of not
recording the observations in my shift in
any bound paper book or pocketbook or
any paper I have not remember the date
and shift.

I generally whenever in shift
used to hear in walkie-talkie about ~~the~~
the crack information being informed by
mining team (O.V. or M.S.) of that particular
area ~~has~~ to control room (Mr. Sharmabati
over man).

Who ever is in the Crack monitoring
area need they use to give information
to control room about the difference of
measurements how much crack has been
increased or lowered with respect to
the readings they used to tell in mine's

Gautam Kumar

5/11/17 Labored Page 5

I can't remember how many observations the crack has widened on beams of east eastern shift, but I had regularly heard in D shift at about 7.45 am and between 2.30-3.00 pm in D shift and in night shift between 10.30 pm to 11.00 pm in the beginning of the shift. To my knowledge this crack monitoring is being done for the last three months. I don't remember exact date. Because I never take note of such observations or instructions in any book or diary.

I can't say and remember how much 'crack' the crack is widened during the walkie-talkie communication.

E/S
T/I
I never went and seen crack monitoring area and never I had passed information about crack to control room. Mining babe i.e. overman was communicating the measurement details to control room. I was never instructed by my overman about crack whenever information. I can recognise who is speaking over walkie-talkie but their voice in respect of my my patch operation overman, Sir Chand, Asst. Manager, over all include Sir Dilip Kumar Asst. mgr.

I don't know why they are all monitoring crack and communicating to control room every day in almost all the shift of my scheduled duty, shift in the beginning and I never felt it is important and also what is this monitoring, and why it is being done, and where it is being done.

I never keep information about who is supervisor of M/S MIPPL at the old ab. re-handling area and also I have no record

Gautam Kumar

Still

Control 18(6)

was killed in my driving car back.

I should explain in my report I am
passing geology paper in the course, I have forgotten
what is fault and what is geological distribution.
I have no knowledge about all these things.
I have ~~not~~ never seen working plan of the
mine or the patch area, where I am
working. I am not aware of the dangers or
risks at my working place.

I classify and state to you that
I not followed my duties as per Res. 113 of
CMR 1957, when even I was on duty.

though my absence in my shift
not obeying my instructions, I had never
complaint in writing to my supervisor.

I had never effectively implemented
my duties and responsibilities as per Res.
44 and inspection and recording of the obser-
vations of my inspection as required under
regulation 115 of CMR 1957.

E/P
H/A

This accident could have happened
any time during my working shift also
then all the persons including me would
have been endangered our life as coal was
being loaded into one excavator and 15 tippers
at coal bench, where huge debris have fallen
from top.

According to me this accident
had occurred due to top of bench slide
there was no blasting in my shift at coal
or O.B. Benches in my shift.

I donot know how many persons
trapped in O.B. Slide and also I donot know
how many excavators, tippers and dozers have
involved in the incident. I never felt
to know about these details required to
be known from my other officials or colleagues.

Gautam Kumar

18/2/2017

Continued Pxx (1)

actually know I don't know how his accident could have been avoided.

I definitely know there was dead load of old OR dump at the top. If the top old OR was removed and the load was reduced then this load would have not come on below benches and failure of below OR benches collapse.

I had handed over my charge at 230 hrs to Sri Hemnagar Yadav, MS at the Pumping Station.

I donot know any body who had lost their lives in the accident.

I once again submit that I had never made any request to my Superior or to my other senior people vehicle to go and see the crack monitoring area and also I was not bothered about that, why should I go and see all these areas though the area falls in my operating patch where I was employed as mining sinder to look after the safety of persons under my charge.

I agree to my above. I have read the statement fully understood of Sri Gauram Kumar, Mining sinder in the presence of Sri. A K Sinha, WI
and put my signature
Gauram Kumar
01/02/17

01/02/17

I have read over and explained the statement to Sri Gauram Kumar Mining Sinder and he put Sinder's name agreeing his statement as true.

01/02/17
S101/17

89/279

Statement of Shri. Nilam Toppo S/o Shri. Vincent Toppo, Age about 52 years, Designation. Overman, of M/s. Rajmahal OCP in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernfangi) Patch in Rajmahal OCP of M/s Eastern Coalfields Limited resulting in fatal accident to 23 person (Appar) overman of 1st shift / 29.12.16

Permanent Address:-

Village :- Saulang
Post :- Naukum
Police Station :- Naukum
District :- Ranchi (Jharkhand)
Pin Code :- 834016
Contact No :- 9631678327

I, Nilam Toppo, S. Overman, Age - 52 year and Diploma in Mining Engg and am working in M/s ECL's Rajmahal OCP since my appointment April, 1992.

I work in different shifts on rotational basis in 8 hourly shifts. On 29.12.2016, I was on duty in 1st shift (06:00 AM to 02:00 PM) and reported at pit office to receive attendance and went to Shift PC Office, 1st Shift's overall I/c assistant manager. He allocated me for Deep Mining Zone workings. He told me to supervise the contractual OB rehandling work of M/s MIPL-NKAS (JV) in the top dump (old). I then went in a shift vehicle along with Shri Gautam Kumar, Mining Sider to the deep mining zone. Shri Gautam, was allocated for supervision of coal face and pumping station at bottom of the Deep Mining Zone (Dahernfangi - 20 million patch). First I got down at the old dump rehandling area at about 06:30 AM. Shri Gautam went away.

At that time (06:30 AM), it was foggy and no work was in progress. Total 5 shovels (Volvo-460 type) and 25 tipper (Volvo, 35 TC capacity) and one (1) grader & one (1) grader were found deployed. These 4/5 were standing idle but

Nilam Toppo

Shri. Vincent Toppo

06/01/2017

Contractor P.L.

06/01/2017

Contd (Work)

(Nilou Jopp) 9/27

Its operators (total 30 nos) were present. There were 1 supervisors of the contractor, whose name I was not known to me. Therefore, total 31 persons were working under my supervision. After clearing of fog, the O.B. dump cutting, loading & transportation jobs commenced and all these 3 shovels (PC excavators) started normal work at about 07:30 AM. Contractor's shift started at 05:00 AM. They all worked up to 01:00 pm. Then shift was changed and 2nd shift operators started the shovels and 2 tipper trucks, 1 dozer & 1 grader.

I took charge from Shri Munna Pandit mining Sirdar at the O.B. dump rehandling area at 06:30 AM (04/29/12/16). Shri PC ~~was~~ was the only Assistant Manager present under in the shift and he went for supervision of department O.B. removal patrol on east side of Deep mining zone. At about 07:45 AM, 29/12/16 I left the place and went in shift vehicle ramp to cutters. On the way, ^{at 07:40 AM} I first went to the view point level (2nd bench) and walked up to the displacement measurement point in the crack zone. I measured the plumb bottom level, it was showing 28cm. Shri Munna Pandit had also told me that last reading in night shift was 28cm. This indicated there was no movement in crack zone. I had tiffin in canteen up to 9:00 am. I returned back to mine & again measured the reading it showed 28cm.

Then I went to my work place, old dump rehandling area. The p.c.s were working in 2 areas i.e. 2 benches i.e. at 4th bench & 5th bench. At 4th bench on east side two PC u/c and at the ramp area on west side, one p.c. was cutting the ramp. At 5th bench, two p.c.s were deployed from the ramp side in south side/direction i.e. towards deep mining zone.

Nilou Jopp

Nilou Jopp
06/01/2017

Contd B

Deep mining
06/01/2017

The closer was deployed at the 4th bench in the area of front wall of tipper. Read gridlines occasional working in between.

When I had returned back from the control, the supervisors of contractor had changed. There were total 4 supervisors and one of them was their overall O.B. supervisor namely, Shri Lalla Khan. I took report of the total w/c & w/o deployed. They informed me that there was no change from the previous ^{supervisors} shift.

I was there till 2.00 pm. After that we back the contractor 2nd shift operators had taken charge. At the end of my shift again measurement was taken and it still showed 28 cm. In my shift, I did not find any displacement of struts/O.B. in crack zone as all readings were same. I gave charge to Shri Md Ejaz Hussain Ansari, Mining Sirdar and left the mine.

My previous shift's supervisor, Hameed Pandit, Mining Sirdar did not write any report in bound papered book. I also did not write my duty report at the end of the shift and conveyed a writing to the next shift supervisor i.e. Md Ejaz Hussain Ansari, Mining Sirdar. The details of readings of struts movement in crack zone was not maintained in any bound papered register. During my work period I worked in control room also and these days readings of displacements at the crack zone were maintained there in a note book/register.

I do not maintain any statutory report book of overman. I have not maintained any report for last 2 years. I have not been provided any report book.

Since 16/12/2016, I have been regularly working in deep mining zone (Dharmrajipatti). On 26 & 27 Dec 2016, I was in the coal face and

Nilam Toppe

Nilam Toppe
26/12/2017

Control Room

26/12/2017
Nilam Toppe

92/279

pump area. Supervision during 18T shift was done. I observed various cracks in coal seam and the coal high wall side below the OB 8115 in north direction. I had observed some falls from OB sides, from the high wall side on north & north-east of pump station.

The coal faces/working at bottom were on east side of vertical line of the displacement measurement point of crack zone. The coal faces/working at bottom in the deep mining zone were in the crack zone area. There was a visible fault plane above the exposed coal & coal loading area in OB benches. The width at the bottom of the pit near the coal face was 20m only. And pump station was about 250-300m distance away from coal loading face.

On 26-12-2016, when I was on duty at deep mining zone, at about 11:30 AM, the CMD of M/S ECLTA (Shri Krishna Saab) and Raju (H/O of mine's mine manager & other four officials) visited the coal face where loading was in progress. They were there for about 10-12 minutes. Shri Rajesh Patel (Raju) of M/S MIPL-NKAS (TV) is supervisor for coal area was also there. One (1) ~~PC~~ PC Shovel (excavator) was deployed along with 40 (forty) tippers (18T). That day coal was loaded between 10 AM to 2:00 PM. Then I left mine.

On 27-12-2016, when I again went for duty in at deep mining zone at about 07:30-08:00 AM. In that time, no coal was being lifted & no w/c (excavator) was deployed at the coal face/bench. I observed the haul-road of coal tippers ~~was~~ was disturbed and cracks were developed across the coal road. I informed to Shri ~~Atip~~ R.N. Rai, shift in charge that coal road was already having cracks.

Nilam 10/11/17

Abhinav
06/10/2017

Contd to p. 5

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06/10/17
10-11-17
10/11/17

contd. from p-4.

(Nilam T.P.M.)
93/279

and h.c. w/c (excavator) was deployed at the
coalface. It was about 07.30-07.45 AM. Shri Rai
came there and there were two Supervisors of Safety
(Shri Suman & another). Shri Rai informed control room
and told the supervisor of contractor to remove the
P.C. level from that area till further order. Then he
is pump station. At that time Shri Rikaraj, H/Siradar
was on duty at O.B. handling area. At about 8.30
AM, Shri G. Subramanian came for shodho to go to Dept.
patch's O.B. dump area (Lohandia) exclusively Shri
R.N. Rai, Shift I/c. I left the working and went away.

On 29-12-2016, when I was on duty at
O.B. dump handling area, Shri P.C. Dhar, Shift I/c. was
at about 01.45 PM. Shri Pramod Kumar, H/Siradar
had not come to my working place (O.B. dump area). On
29-12-2016 during 1st shift.

From 16-12-2016 to 29-12-2016 when I
was on duty in deep mining zone during different
shifts, I did not see Safety Officer, Shri S.P.
Barnwal in my work place as he had not visit
there in my presence. Even when I was in 1st
shift on 26th, 27th, ~~28th~~ & 29 December, 2016. I did
not see the Safety officer visiting my work place.

The displacement measurement in the
crack zone was being done for about 6 months
period prior to this accident.

The accident, in my opinion, was
caused due to pressure on the lower strata of
O.B. and collapse of ^{rock} workings along the fault in
O.B. & Coal.

From 16-12-2016 to 29-12-2016, coal was
regularly loaded & transported from Deep mining
zone's (Dahrahang patch). It was done in
I/II/III Shifts daily as I had worked in these
shifts during the above period. During this
period coal bench/beam was blasted and
the inter parting of O.B. (about 2m) from about

Nilam T.P.M.

Signature
DECEMBER 2017

contd. on p-6

Shri S.P. Barnwal
Safety Officer

Center block 5 (Nilam Toppo) 9A/279

The coal seam total thickness with part of (bench) was 40-45 m. Above which about 25 m hard (in-situ) OB was existing. On the top of these coal/OB shale or OB dump exists. The OB dump material was re-handled and coal & OB at bottom were being extracted by blasting. There were 3 benches formed in the in-situ hard OB shale.

I am not aware about any collapse of OB benches or sliding in OB area of deep mining zone in the past.

Whenever I have worked in deep mining zone in last 15 days, I had observed small falls from in-situ OB bench sides and in coal seam/bench side also especially in north of pumping station at bottom.

The falls were found or seen more in the area about 100 m east of the displacement measurement point at 2nd bench (below surface level).

The Slided material/debris of OB & old dump had moved down in South-East (SE) direction along the plane of fault which was visible on east side of coal loading area.

On 29-12-2016, in 1st shift when I was at old dump re-handling area, I did not see any danger to work place and work was done in the normal manner.

My statement is over.

Read & acknowledged
correct

Shri Nilam Toppo
read his statement
and signed in my
presence
06/01/17
Nilam Toppo
06/01/17

Barin Sanjay Chatterjee

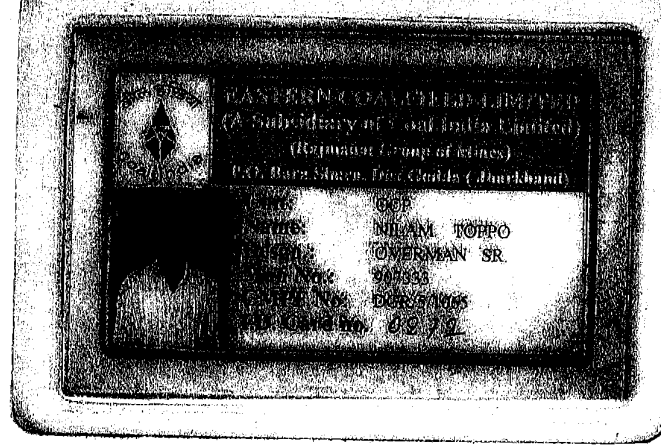
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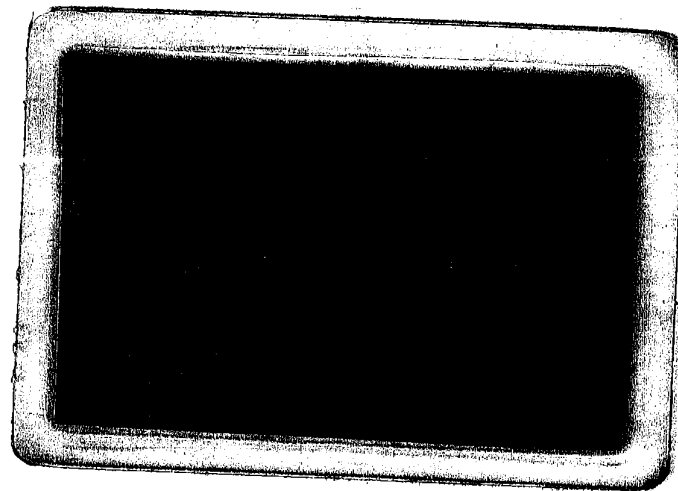
DBI - BIRBAUMI (WBongal)

(NIRANJAN CHARTHA)

95/279



Nilam Tompo



96/270

Statement of Shri. Aravind Kumar S/o Shri. Dr. Baderi Samchi, Age about 38 years, Designation Overman, of M/s. ESL in connection with failure/collapse of OB/Coal benches during 2nd shift on dated 29.12.2016 at about 19.00 hrs. at M/s MIPL - NKS (JV), Contractual (Dahernangi) Patch in Rajmahal OCP of M/s Eastern Coalfields Limited. Resulting in fatal accident to approx. 23 persons.

Permanent Address:-

Village :- Dhangadih
Post :- Ghorangi
Police Station :- Deori
District :- Giridih, Jharkhand
Pin Code :-
Contact No :- 7542981009

96/270

I, Aravind Kumar, (Diploma in Mining Engg.) working as Overman at Rajmahal OCP since 16.07.2015. I am continuously employed at M/s MIPL - NKS (JV) working as Overman incharge of the patch since 11.12.2016 in all the shifts as per my duty rotation, earlier to Nov 15, 2016 I used to be the incharge Overman in very few occasions, I can't substantiate the actual allocation as I never maintained my records of inspection and diary or any bound Paged book or paper.

on 28.12.2016 I have reported to my duty at 10 PM and took charge from Hemnarayan Yadav, Mining Sirdee of 2nd shift at 10:10 PM in Below along Munne Pandit Mining. Sir I had first inspected M/s MIPL - NKS (JV) old OB rehandling top bench, there was tag mark and no operations of TIPPER and excavator were taking place. All operators of dump tipper and excavator were returning back away from the loading point, because it was not safe to pass the excavators and tipper at the loading point as it was not a safe zone. There were cracks at top bench haul road on 23rd or 24th exact date not remembered when on my duty I observed.

Aravind Kumar
06/01/17

6/1/2017

continued page