

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/MN/SNG/MCDR-21/BBS

**Mine code :** 40ORI13034

- (i) Name of the Inspecting : **DEY** ) **NARENDRA MOHAN DEY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI A K BISWAL, P O A HOLDER OF M/S AXL EXPLORATIO**  
Official with  
Designation
- (iv) Date of Inspection : 19/09/2014
- (v) Prev.inspection date : 09/08/2010

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHUTUDA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ORISSA  
District : SUNDARGARH  
Village : BHUTUDA  
Taluka : BONAI  
Post office : BHUTUDA  
Pin Code :  
FAX No. : 0674-2303479 / 0341 -2521:  
E-mail : mal@sancharnet.in  
Phone : 0674-2303478 / 0341 - 252:
- (f) Police Station : LAHUNIPARA
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : BHUTUDA MANGANESE MINE  
correspondance VILL; BHUTUDA, PO.BHUTUDA  
DIST.SUNDERGARH,ORISSA, PIN.770041
3. (a) Lease Number : ORI0170
- (b) Lease area : 40.47
- (c) Period of lease : 20
- (d) Date of Expiry : 28/07/2004
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : M/S AXL EXPLORATION (P) LTD  
 PO: KALYANESHWARI DIST:  
 BURDWAN WEST BENGAL BURDWAN  
 WEST BENGAL  
 Phone:3041-2521300  
 FAX :0341-2521303

Owner : M/S AXL EXPLORATION (P) LTD  
 PO: KALYANESHWARI DIST  
 BURDWAN WEST BENGAL BURDWAN  
 WEST BENGAL  
 Phone: 0341-2521300  
 FAX : 0341-2521303

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	29/05/2003
Plan/Scheme of Mining		Modif.of approved Mining Plan	25/03/2009
		Mining Scheme rule 12 MCDR1988	28/07/2010

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	83 BH PROPOSED DURING 2010-11 TO 2013-14 IN THE MINERALISED ZONE AND 7 NOS OF BH PROPOSED TO PROVE THE BARRENNESS OF THE DUMPING AREA DURING 2010-11, AS PER SCHEME OF MINING APPROVED ON 28.07.2010 FOR THE PERIOD 2009-10 TO 2013-14.	NIL HOWEVER 11 NOS BH HAVE ALREADY BEEN DRILLED DURING 2005-06 AND MN ORE IS OBSERVED UPTO AN AVERAGE DEPTH OF 15 M FROM THE SURFACE LEVEL	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M KOIRA DUE TO WANT OF FOREST CLEARANCE
1d	Balance area to be explored to bring Geological axis in 1 or 2	83 BH TO BE DRILLED DURING 2010-11 TO 2013-14 IN THE MINERALISED ZONE AND 7 NOS OF BH TO BE DRILLED DURING 2010-11 TO PROVE THE BARRENNESS OF THE DUMPING AREA.	NIL HOWEVER 11 NOS BH HAVE ALREADY BEEN DRILLED DURING 2005-06. AND MN ORE IS OBSERVED UPTO AN AVERAGE DEPTH OF 15 M FROM THE SURFACE LEVEL	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M KOIRA DUE TO WANT OF FOREST CLEARANCE.

1e	Balance reserve as on 01/04/20		AS PER SCHEME OF MINING APPROVED ON 28.07.2010 FOR THE PERIOD 2009-10 TO 2013-14, THE RESERVES AS ESTIMATED AS PER UNFC IS AS FOLLOWS: 121: 1880437.5 MT + 122: 252250 MT = 2132687.5 MT 221: 93062.5 MT + 222: 14000 MT + 333 : 1300812.5 MT + 334 : 11400 MT = 1419275 MT	
1f	General remarks of inspecting officers on geology, exploration etc	NO PROPOSAL. PREVIOUS SCHEME OF MINING APPROVED ON 28.07.2010 FOR THE PERIOD 2009- 10 TO 2013- 14. CURRENT SCHEME OF MINING 2014- 15 ONWARDS FOR 5 YEARS NOT SUBMITTED / APPROVED.	ONLY 11 NOS OF BH HAVE BEEN DRILLED DURING 2005-06 AND MANGANESE ORE IS OBSERVED UPTO AN AVERAGE DEPTH OF 15 M FROM THE SURFACE LEVEL. NO MINING OPERATION SINCE LAST 10 YEARS.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M KOIRA DUE TO WANT OF FOREST CLEARANCE .

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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	PREVIOUS SCHEME OF MINING WAS VALID UPTO 2013-14. SCHEME OF MINING 2014-15 ONWARDS FOR 5 YEARS NOT SUBMITTED / APPROVED.	NO WORK SINCE LAST 10 YEARS	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	PREVIOUS SCHEME OF MINING WAS VALID FROM 2009-10 TO 2013-14. SUBSEQUENT S O M FOR THE PERIOD 2014-15 ONWARDS NOT SUBMITTED	NO WORK SINCE LAST 10 YEARS. HOWEVER ALREADY THERE ARE 3 QUARRIES EXISTING QUARRY -1, QUARRY -2 & QUARRY -3. QUARRY -1 THERE ARE 3 BENCHES IN OB AND 2 BENCHES IN ORE QUARRY 2 & 3 THERE ARE 1 BENCH IN OB AND 2 BENCHES IN ORE.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.
2e	Quantity of overburden generation in m3	S O M VALID UPTO 31.03.2014 SUBSEQUENT S O M NOT SUBMITTED.	NIL CUMULATIVE 4047 CUM O B GERATED.	NO MINING OPERATION SINCE LAST 10 YEARS.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M , KOIRA DUE TO WANT OF FOREST CLEARANCE. HOWEVER THERE ARE ALREADY 3 EXISTING QUARRIES

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	CURRENT S O M FOR THE PERIOD 2014-15 TO 2018-19 NOT SUBMITTED. AS PER PREVIOUS S O M FOR THE PERIOD 2009-10 TO 2013-14 NUMBER OF PIT FOR PRODUCTION WAS 3. QUARRY -1,2 & 3.	NO WORK SINCE LAST 10 YEARS HOWEVER THERE ARE ALREADY EXISTING 3 QUARRIES.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.

3b	Quantity of ROM mineral production proposed	AS PER S O M APPROVED ON 28.07.2010 PROPOSAL WAS AS FOLLOWS: 2010-11 : 580062 MT, 2011-12: 50287 MT, 2012-13: 50850 MT, 2013-14 : 51750 MT SUBSEQUENT S O M FOR THE PERIOD 2014-15 TO 2018-19 NOT SUBMITTED	NO PRODUCTION FOR LAST 10 YEARS.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE
3m	Total area covered under excavation/pits	NO PROPOSAL / S O M FOR 2014-15 TO 2018-19 SUBMITTED	NO WORK SINCE LAST 10 YEARS HOWEVER CUMULATIVE TOTAL AREA COVERED UNDER EXCAVATION / PITS 11.50 HA.	
3o	Total area put in use under different heads at the end of year	S O M FOR THE PERIOD 2014-15 TO 2018-19 NOT SUBMITTED	NO WORK SINCE LAST 10 YEARS. HOWEVER CUMULATIVE AREA COVERED UNDER PITS: 11.50HA, USED FOR WASTE DISPOSAL : 3.316 HA, OCCUPIED BY ROAD ETC : 0.74 HA	
3p	Production of ROM mineral during the last five year period as applicable	PROPOSAL / S O M FOR THE PERIOD 2014-15 TO 2018-19 NOT SUBMITTED. AS PER S O M FOR THE PERIOD 2009-10 TO 2013-14 APPROVED ON 28.07.2010 PROPOSAL WAS AS FOLLOWS: 2010-11: 50062 MT, 2011-12 : 50287 MT, 2012-13: 50850 MT, 2013-14: 51750 MT	NO PRODUCTION SINCE LAST 10 YEARS.	

3q	General remarks of inspecting officers on method of mining etc.	NO PROPOSAL / S O M FOR THE PERIOD 2014-15 TO 2018-19.	NO WORK SINCE LAST 10 YEARS. AS PER PREVIOUS S O M APPROVED 28.07.2010 FOR THE PERIOD 2009-10 TO 2013-14 METHOD OF MINING WAS OTHER THAN FULLY MECHANISED . THE MACHINES LIKE JACK HAMMER, 0.9 CUM EXCAVATOR, TIPPER WERE DEPLOYED IN THE MINE.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.
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#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NO PROPOSAL / S O M FROM 2014-15 TO 2018-19	NO WORK SINCE LAST 10 YEARS HOWEVER THERE IS ALREADY ONE EXISTING DUMP OF O B	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M KOIRA
4c	Number of dumps within lease area and outside of lease area	NO PROPOSAL	ALREADY THERE IS ONE DUMP WITHIN LEASE AREA. NO DUMP OUT SIDE LEASE AREA.	
4k	Specific comments of inspecting officer on waste dump management			MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M KOIRA DUE TO WANT OF FOREST CLEARANCE. HOWEVER AREA USED FOR WASTE DISPOSAL IS 3.316 HA CUMULATIVE.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NO PROPOSAL IN NIL THE PREVIOUS S O M APPROVED ON 28.07.2010 FOR THE PERIOD 2009-10 TO 2013-14 AS MN ORE HAS NOT BEEN EXHAUSTED IN ANY PART OF THE QUARRY. NEXT S O M FOR THE PERIOD 2014-15 ON WARDS HAS NOT BEEN SUBMITTED.	MINING OPERATION HAS BBEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO PROPOSAL MN ORE HAS NOT BEEN EXHAUSTED IN ANY PART OF THE QUARRY	ABOUT 11.50 HA OF LAND HAS ALREADY BEEN DEGRADED DUE TO MINING. MN ORE HAS NOT BBEN EXHAUSTED IN ANY PART OF THE QUARRY. SO NO LAND HAS BEEN RECLAIMED TILL DATE. HOWEVER PLANTATION HAS ALREADY BEEN DONE IN THE NORTH & SOUTH - EASTERN PART OF THR LEASE AREA OVER 0.27 HA. CUMULATIVE.

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Progressive Mine Clousre Plan:

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Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	ANNUAL REPORT ON PMCP UNDER RULE 23 OF MCDR NOT SUBMITTED, ON THE BASIS OF S O M APPROVED ON 28.07.2010 FOR THE PERIOD 2009-10 TO 2013-14. NEXT PROPSAL / S O M FOR THE PERIOD 2014-15 ON WARDS NOT SUBMITTED.	MINING OPERATION HAS BEEN STOPPED SINCE LAST 10 YEARS.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.
6e	Cumulative no .of plants		2200 NO OF PLANTS	NO MINING OPERATION SINCE LAST 10 YEARS.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	CURRENT S O M FOR THE PERIOD 2014-15 ON WARDS FOR 5 YEARS NOT SUBMITTED.	ONLY 2200 NO OF PLANTS HAVE BEEN PLANTED. NO MINING OPERATION SINCE LAST 10 YEARS.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY DDM, KOIRA DUE TO WANT OF FOREST CLEARANCE.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	AS PER S O M APPROVED ON 28.07.2010 FOR THE PERIOD 2009-10 TO 2013-14 PROPOSAL WAS AS FOLLOWS: 2010-11: 50062 MT, 2011-12: 50287 MT, 2012-13: 50850 MT, 2013-14: 51750 MT. NEXT S O M FOR THE PERIOD 2014-15 ON WARDS FOR 5 YEARS NOT SUBMITTED.	NIL NO MINING OPERATION SINCE LAST 10 YEARS.	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY DDM, KOIRA DUE TO WANT OF FOREST CLEARANCE.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	NIL	NO WORK SINCE LAST 10 YEARS.
7c	Different grade of mineral sorted out at mines.	FERRO-MANGANESE PLANT: 40 TO 48 % MN, SIZE: 10 TO 40 MM IRON & STEEL INDUSTRY: 28 TO 35% MN, SIZE : 10 TO 75 MM	NIL	NO WORK SINCE LAST 10 YEARS.
7d	Any beneficiation process at mines .	ONLY MANUAL SIZING AND SORTING AT THE QUARRY SITE NO BENEFICIATION PROPOSAL	NIL	NO WORK SINCE LAST 10 YEARS.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO PROPOSAL IN THE PREVIOUS S O M VALID UPTO 31.03.2014. NEXT S O M NOT SUBMITTED.	NIL	NO MINING OPERATION SINCE LAST 10 YEARS.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPARATE DUMP FOR OB	ALREADY EXISTING ONE DUMP OVER AN AREA 2.0 HA	NO MINING OPERATION SINCE LAST 10YEARS.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	TOTAL LEASE AREA 40.226 IS UNDER FOREST.	CUMULATIVE PLANTATION DONE 2200 NOS	NO MINING OPERATION SINCE LAST 10 YEARS.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		TOTAL LEASE AREA 40.226 HA IS UNDER FOREST. CUMULATIVE 2200 NOS OF PLANTS HAVE BEEN PLANTED. AESTHETIC BEAUTY IN AND AROUND THE MINE HAS BEEN MAINTAINED.	NO MINING OPERATION SINCE LAST 10 YEARS.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	I HAVE INSPECTED THE MINE ON 19.09.2014. MONTHLY RETURNS UPTO AUGUST, 2014 AND ANNUAL RETURN FOR THE YEAR 2013-14 RECEIVED.	NO MINING OPERATION SINCE LAST 10 YEARS.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		NO MINING ENGINEER, GEOLOGIST AND MANAGER HAS BEEN APPOINTED	NO MINING OPERATION SINCE LAST 10 YEARS.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		LAND USED UNDER PITS: 11.50 HA, USED FOR WASTE DISPOSAL : 3.316 HA, OCCUPIED BY ROAD ETC : 0.74 HA	NO MINING OPERATION SINCE LAST 10 YEARS.
9d	Scrutiny of Annual return on afforestation		2200 NOS	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		ROM STOCK : NIL GRADE-WISE STOCK: 25 TO BELOW 35% MN : 748.284 MT, 35 TO BELOW 46 % MN: 444.048 MT, 46 % AND ABOVE : 5.159 MT	NO MINING OPERATION w e f 10.04.2006 DUE TO WANT OF FOREST CLEARANCE.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NO MINING OPERATION SINCE LAST 10 YEARS. I HAVE INSPECTED THE MINE ON 19.09.2014. ANNUAL RETURN FOR THE YEAR 2013-14 HAS BEEN RECEIVED. PRODUCTION COST : NIL	MINING OPERATION HAS BEEN STOPPED w e f 10.04.2006 BY D D M, KOIRA DUE TO WANT OF FOREST CLEARANCE
9h	Scrutiny of Annual return on fixed assets	IN THE ANNUAL RETURN 2013-14 MENTIONED AS ZERO	

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	20/10/2014				
Sec 24(1)(e)	20/10/2014	02/01/2015			
Rule 45(5)(a )	20/10/2014	02/01/2015			
Rule 45(5)(b)	20/10/2014	02/01/2015			

**Date :**

**(NARENDRA MOHAN DEY)**

Indian Bureau of Mines