

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON/MB/MCDR-4/BBS-17/5/21

**Mine code :** 30ORI10002

- (i) Name of the Inspecting : **DEY** ) **NARENDRA MOHAN DEY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI S D P SATHPATHY, MINING ENGINEER, SHRI M K PATRA**  
Official with  
Designation
- (iv) Date of Inspection : 11/03/2015
- (v) Prev.inspection date : 11/06/2012

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHITARAMDA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : ORISSA  
District : MAYURBHANJ  
Village : PARUNAPANI  
Taluka : BAMANGHATY  
Post office : PURUNAPANI  
Pin Code : 757043  
FAX No. :  
E-mail :  
Phone : 06794-22628
- (f) Police Station :
- (g) First opening date : 09/03/1978
- (h) Weekly day of rest : SUN
2. Address for : VILL: BHITARAMDA&PURNAPANI  
correspondance PO: SULEIPET, DIST: MAYURBHANJ  
ORISSA
3. (a) Lease Number : ORI0121  
(b) Lease area : 243.82  
(c) Period of lease : 30  
(d) Date of Expiry : 08/03/2008
4. Mineral worked : IRON ORE Main

## 5. Name and Address of the

Lessee : B.C.DAGARA  
 B.C.DAGARA, MINE OWNER  
 RAIRANGPUR, ORISSA  
 MAYURBHANJ ORISSA  
 Phone: 06794-22068  
 FAX : 06794-22628

Owner : B.C.DAGARA  
 MINE OWNER  
 RAIRANGPUR, ORISSA  
 SUNDARGARH ORISSA  
 Phone:  
 FAX :

## Mining Engineer

Name : D.MOHANTO, Full Time  
 Qualification : AMIE  
 Appointment/ :  
 Termination date

## Geologist

Name : S.K.KAR, Full Time  
 Qualification : MSC, APPLIED GEOLOGY  
 Appointment/ : 01/08/1995  
 Termination date

## Manager

Name : J.K.BEHERA  
 Qualification : DIPLOMA IN MINING  
 Appointment/ :  
 Termination date

## Manager

Name : S.K.DAS  
 Qualification : DME(MINING)  
 Appointment/ : 07/11/2001  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	18/05/2001
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	07/10/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	<p>THE SCHEME OF MINING APPROVED ON 07.10.2013 FOR THE PERIOD 2013-14 TO 2017-18.</p> <p>2013-14: 2 BH TO PROVE THE BARREN AREA FOR DUMPING, 8 BH IN &amp; AROUND THE POTENTIAL ORE ZONE , 20 BH IN THE RELINQUISHED AREA TO AVOID OF ANY MINERALISATION.</p> <p>2014-15: 8 BH IN &amp; AROUND THE POTENTIAL ORE ZONE</p> <p>2015-16: 8 BH I &amp; AROUND THE POTENTIAL ORE ZONE.</p>	<p>NIL</p> <p>NO WORK SINCE 31.12.2009</p>	<p>MINE IS UNDER SSPENSION w e f 31.12.2009 DUE TO WANT OF FOREST CLEARANCE AND SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.</p>

1b	Exploration over lease area for geological axis 1 or 2	SCHEME OF MINING APPROVED ON 07.10.2013 FOR THE PERIOD 2013- 14 TO 2017- 18. THE PROPOSAL IS AS FOLLOWS: 2013-14: 2 BH TO PROVE THE BARREN AREA FOR DUMPING, 8 BH IN & AROUND THE POTENTIAL ORE ZONE AND 20 BH IN THE RELINQUISHED AREA TO PROVE AVOID OF ANY MINERALISATIO N. 2014-15: 8 BH IN & AROUND THE POTENTIAL ORE ZONE 2015-16: 8 BH IN & AROUND THE POTENTIAL ORE ZONE	NIL NO WORK SINCE 31.12.2009 HOWEVER 8 BH DRILLED DURING 21.01.2009 TO 17.02.2009 WITH A METERAGE DRILLED 128 MTR.	MINE IS UNDER SUSPENSION w e f 31.12.2009 DUE TO WANT OF FOREST CLEARANCE AND SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
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1d	Balance area to be explored to bring Geological axis in 1 or 2	42 NOS OF BH ARE PROPOSED OUT OF WHICH 2 NOS OF BH TO PROVE THE BARREN AREA FOR DUMPING. ANOTHER 20 NOS OF BH PROPOSED IN THE RELINQUISHED AREA TO PROVE ANY MINERALISATION. DURING 2013-14 TO 2017-18 AS PER SCHEME OF MINING APPROVED ON 07.10.2013.	NIL NO WORK SINCE 31.12.2009 HOWEVER 8 NOS BH HAVE BEEN DRILLED DURING 21.01.2009 TO 17.02.2009 WITH A TOTAL METERAGE 128 METER.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF FOREST CLEARANCE AND SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE AS LAPSED w e. f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
1e	Balance reserve as on 01/04/20		THE RESERVES AND RESOURCES ESTIMATED AS PER UNFC AS ON 01.01.2013 AS PER SCHEME OF MINING APPROVED ON 07.10.2013 IS AS FOLLOWS: 111: NIL, 121: 1680000 MT , 221: 6144600 MT , 332: 63000 MT, 333: 4872000 MT TOTAL; : 12759600 MT WITH A GRADE MORE THAN 45% FE	

1f	General remarks of inspecting officers on geology, exploration etc	62 NOS BH HAVE BEEN PROPOSED WITH A GRID INTERVAL 200 M X 200 M OVER TOTAL LEASE AREA 243.82 HA UP TO THE END OF MINERALISATION / 40 M AS PER SCHEME OF MINING APPROVED ON 07.10.2013 FOR THE PERIOD 2013-14 TO 2017-18.	NIL AS PER PROPOSAL NO WORK SINCE 31.12.2009. HOWEVER 8 NOS BH HAVE BEEN DRILLED DURING 21.01.2009 TO 17.02.2009 WITH A TOTAL METERAGE 128 MTS. RESERVES / RESOURCES HAS BEEN ESTIMATED FOR THE ENTIRE IRON ORE ZONE BASED ON UPDATED SURVEY, 8 NOS OF OLD QUARRIES AND EARLIER BH DATA.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF FOREST CLEARANCE AND SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	THERE ARE 8 EXISTING QUARRIES. PROPOSAL FOR DEVELOPMENT AT QUARRY - 1 ONLY.	NIL NO WORK SINCE 31.12.2009.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	SEPARATE BENCHES.	NIL NO WORK SINCE 31.12.2009	
2e	Quantity of overburden generation in m3	2013-14: 9900 CUM, 2014-15: 6300 CUM AND 2015-16 : 4500 CUM	NIL NO WORK SINCE 31.12.2009 HOWEVER CUMULATIVE OB REMOVED 71140 CUM	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	THERE ARE 8 QUARRIES EXIST IN THE LEASE . PROPOSAL FOR DEVELOPMENT AT QUARRY - 1 ONLY DURING 2013-14 TO 2016-17.	NO WORK SINCE 31.12.2009	MINE IS UNDER SUSPENSION w e f 31.12.2009 DUE TO WANT OF STATORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT. HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
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## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	QUARRY - 1	NO WORK SINCE 31.12.2009	
3b	Quantity of ROM mineral production proposed	2013-14: 47250 MT, 2014-15: 47250 MT, 2015-16: 47250 MT, 2016-17 : 47250 MT, 2017-18: 52920 MT	NIL NO WORK SINCE 31.12.2009	
3g	Grade of sub grade mineral generation	ABOUT 20% OF THE TOTAL EXCAVATION TO BE GENERATED AS SUB-GRADE ORE i.e MORE THAN 45% TO LESS THAN 55% FE	NIL NO WORK SINCE 31.12.2009	

3h	Manual / Mechanised method adopted for segregating from ROM	IRON ORE SIZED NIL BY MANUAL NO WORK SINCE 31.12.2009 LABOUR FOR SEGREGATING THE GANGUE MATERIALS FROM THE ORE AND THE SIZES PRODUCE 5-18 MM, 10-40 MM & 40 TO 100 MM HAVING GRADE MORE THAN 58 % FE. A PART OF RUN- OFF MINE HARD MASSIVE INSITU ORE BROKEN INTO REQUIRED SIZES MANUALLY BY HAMMER AS WELL AS BY SMALL CAPACITY ( 150 TPH) CRUSHER 10 TO 30 MM & 5 TO 18 MM LUMPS AND LESS THAN 5 MM FINES.
3m	Total area covered under excavation/pits	CUMULATIVE 1.735 HA AREA COVERED UNDER EXCAVATION / PITS
3o	Total area put in use under different heads at the end of year	CUMULATIVE AREA PUT IN USED UNDER OPEN CAST WORKING : 1.735 HA, USED FOR WASTE DISPOSAL : 0.043 HA, OCCUPIED BY ROAD & BUILDING : 2.300 HA



3q	General remarks of inspecting officers on method of mining etc.	PROPOSED METHOD OF MINING WAS BY OTHER THAN FULLY MECHANISED METRHOD BY DEPLOYING MACHINERIES LIKE EXCAVATOR 0.9 CUM CAPACITY, DRIFTER DRILL OF 75 MM, JACK HAMMER 32 MM , TIPPER 15 TONNE, AND DOZER D-210. IRON ORE STRATA TO BE LOOSENED THROUGH DRILLING AND BLASTING. BLASTED ROCKS TO BE TRANSPORTED THROUGH 15 TONNE CAPACITY TIPPERS.	NIL NO WORK SINCE 31.12.2009	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT. HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
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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)	SEPARATELY DUMPING	NIL NO WORK SINCE 31.12.2009. HOWEVER CUMULATIVE 71140 CUM OB REMOVED	
4c	Number of dumps within lease area and outside of lease area	TWO DUMPS WITH IN LEASE AREA	TWO DUMPS EXISTING WITH IN LEASE AREA. NO DUMP OUT SIDE LEASE AREA.	
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	NO WORK SINCE 31.12.2009	

4k	Specific comments of inspecting officer on waste dump management	TWO NOS OD DUMP EXISTING ON THE EASTERN SIDE OF THE LEASE AREA WITH A SINGLE LIFT OVER AN AREA 0.32 HA	MINE IS UNDER SUSPENSION w e f 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATEDV 17.08.2015.
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#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NO PROPOSAL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO PROPOSAL	NIL	

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	ANNUAL REPORT ON PMCP NOT SUBMITTED ON TIME.	NIL	MINE IS UNDER SUSPENSION SINCE 31.12.2009 DUE TO WANT OF STATU TORY CLEARANCES.
6e	Cumulative no .of plants	A TOTAL 3200 NOS OF SAPLINGS PROPOSED TO BE PLANTED OVER 2.0 HA DURING 2013-14 TO 2017-18.	NIL	MINING OPERATION IS UNDER SUSPENSION SINCE 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES .

6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

MINING OPERATION IS UNDER SUSPENSION SINCE 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT. HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 BY STATE GOVT. VIDE THEIR LETTER DATED 17.08.2015.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2013-14 TO 2016-17 EACH YEAR: : MARKETABLE ORE (>55% FE): 33075 MT + SUB-GRADE (>45 TO <55% FE) : 14175 MT = 47250 MT 2017-18 :: MARKETABLE ORE (.55% FE) : 37044 MT + SUB-GRADE(>45 TO < 55% FE) : 15876 MT= 52920 MT	NIL NO WORK SINCE 31.12.2009.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY STATE GOVT. HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	IRON ORE SIZED NIL BY EMPLOYING MANUAL LABOUR, MANUAL LABOUR ALSO SEGREGATE THE GANGUE MATERIALS FROM THE ORE. A PART OF RUN-OFF MINE HARD MASSIVE INSITU ORE BROKEN INTO REQUIRED SIZES MANUALLY BY THE HAMMER AS WELL AS BY A SMALL CAPACITY CRUSHER ( 150 TPH).	NIL	
7d	Any beneficiation process at mines .	NO BENEFICIATION PROCESS AT MINE EXCEPT A SMALL CAPACITY CRUSHER OF 150 TPH TO SIZE THE HARD MASSIVE ORE TO PRODUCE +10 MM TO -30 MM AND +5 MM TO -18 MM LUMPS AND - 5 MM FINES. BENEFICIATION PROCESS YIELD AVERAGE GRADE MORE THAN 58 % FE	NIL NO MINING OPERATION SINCE 31.12.2009	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ABOUT 20% OF THE TOTAL EXCAVATION GENERATED AS SUB-GRADE ORE ( > 45% FE TO < 55 % FE). THESE ORE STACKED FOR FUTURE METALLURGICAL USE.	NIL NO WORK SINCE 31.12.2009.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT. HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.

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 Environment:
 

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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO SUCH PROPOSAL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPARATE DUMP FOR OB	NIL NO WORK SINCE 31.12.2009	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			OUT OF TOTAL LEASE AREA 143.82 HA, FOREST AREA IS 243.699 HA AND NON-FOREST IS 0.121 HA. THE LEASE AREA IS COVERED WITH THICK FOREST. VERY LESS MINING ACTIVITY HAS BEEN CARRIED OUT. NO ADVERSE EFFECT TO THE FOREST. AESTHETIC BEAUTY IN AND AROUND THE MINES IS GOOD. NO MINING OPERATION SINCE 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES.

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 Compliance of Rule 45:
 

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	SUBMITTED.	I HAVE INSPECTED THE MINE ON 11.03.2015. ANNUAL RETURN FOR THE YEAR 2013-14 HAS BEEN RECEIVED.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT. HAS DECLARED THE LEASE AS LAPSED w e f 01.04.2010 VIDE THEIR LETTER DATED 17.08.2015.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ANNUAL RETURN FOR THE YEAR 2013-14 WAS SCRUTINISED.	NO MINING ENGINEER, NO GEOLOGIST, NO MANAGER HAVE BEEN MENTIONED IIN THE ANNUAL RETURN.	MINING OPERATION HAS BEEN SUSPENDED w e f 31.12.2009
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		LAND USED PATTERN IS AS FOLLOWS: AREA UNDER PITS: 1.735 HA, USED FOR WASTE DISPOSAL : 0.043 HA, OCCUPIED BY ROAD ETC: 2.300 HA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		ROM STOCK : 3563.656 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		NO PRODUCTION SINCE 31.12.2009. PRODUCTION COST: NIL SALE VALUE , EX-MINE PRICE NOT MENTIONED.	
9h	Scrutiny of Annual return on fixed assets		FIXED ASSETTS NOT MENTIONED	

9k Scrutiny of  
Annual return on  
mining  
machineries

TATA DUMPER 2 NOS OF  
CAPACITY 10 MT.

MINING OPERTATION  
HAS BEEN SUSPENDED  
w e f 31.12.2009  
DUE TO WANT OF  
STATUTORY  
CLEARANCES AND  
SUBSEQUENTLY THE  
STATE GOVT HAS  
DECLARED THE LEASE  
AS LAPSED w e f  
01.04.2010 VIDE  
THEIR LETTER DATED  
17.08.2015.

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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

**Date :**

(NARENDRA MOHAN DEY)

Indian Bureau of Mines