

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON/KJR/MCDR-10/BBS

**Mine code :** 30ORI08007

- (i) Name of the Inspecting : **DEY** ) **NARENDRA MOHAN DEY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI MONAJ MOHANTY, REPRESENTATIVE OF LESSEE & SHRI C**  
Official with  
Designation
- (iv) Date of Inspection : 18/07/2014
- (v) Prev.inspection date : 17/07/2013

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BANSPANI**
- (b) **Registration NO.** : **IBM / 6767 /2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : BANSPANI
- Taluka : BARBIL
- Post office :
- Pin Code :
- FAX No. : 0663 - 2401041
- E-mail :
- Phone : 06767-272394,272275,943707:
- (f) Police Station :
- (g) First opening date : 20/12/1953
- (h) Weekly day of rest : TUE
2. Address for : AT/PO BANSPANI  
correspondance DIST: KEONJHAR  
ORISSA.
3. (a) Lease Number : ORI0097
- (b) Lease area : 37.87
- (c) Period of lease : 20
- (d) Date of Expiry : 28/11/1993
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : SRI. S.C. PADHEE  
 AT/PO: JODA DIST: KEONJHAR  
 KEONJHAR ORISSA  
 Phone:06767-72275  
 FAX :

Owner : SRI. S.C. PADHEE  
 AT/PO: JODA DIST: KEONJHAR  
 KEONJHAR ORISSA  
 Phone: 06767-72275  
 FAX :

## Mining Engineer

Name : S K GUIN,Full Time  
 Qualification : B TECH MINING IST CLASS  
 Appointment/ : 01/03/2004  
 Termination date

## Geologist

Name : B. MOHAPATRA,Full Time  
 Qualification : M.Sc IN GEOLOGY  
 Appointment/ : 01/12/1998  
 Termination date

## Geologist

Name : B.PANDA,Full Time  
 Qualification : MSC GEOLOGY  
 Appointment/ : 19/10/2003  
 Termination date

## Manager

Name : S. DWIVEDI  
 Qualification : DIPLOMA IN MINING ENGINEERING.  
 Appointment/ : 01/11/2000  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	04/05/2005
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	05/03/2008
		Modif.approved Mining Scheme	01/03/2011
		Mining Scheme rule 12 MCDR1988	09/04/2012
		Renewal under rule 24 MCR1960	15/05/2013

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2013-14 : 10 BH AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 2013- 14 TO 2017- 18.	NIL THE MINE IS NOT IN OPERATION SINCE 06.11.2009 DUE TO WANT OF FOREST CLEARANCE.	SUBSEQUENTLY STATE GOVT HAS DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.
1b	Exploration over lease area for geological axis 1 or 2	2013-14 : 10 BH	NIL HOWEVER ALREADY 40 NOS DTH BH HAD BEEN DRILLED , OUT OF THESE 35 BH WERE ORE BEARING , WHICH HAVE BEEN TAKEN INTO CONSIDERATION FOR CALCULATION OF RESERVES. THE DEPTH OF BH VARIES FROM 18 M TO 55 M.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		NOT AVAILABLE	
1d	Balance area to be explored to bring Geological axis in 1 or 2	2013-14: 10 BH UPTO END OF MINERALISATION OR 100 M.	NIL	
1e	Balance reserve as on 01/04/20		AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 29.11.2013 -14 TO 2017- 18 , THE RESERVES ESTIMATED AS PER UNFC NORMS IS AS FOLLOWS : 221: 3340296 MT , 331: 529317 MT ( IRON ORE ) 221: 109867 MT , 331 : 28774 MT ( MANGANESE ORE)	

1f	General remarks of inspecting officers on geology, exploration etc	10 BH DURING 2013-14, AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 29.11.02013 - 14 TO 2017-18.	NO WORKING w e f 06.11.2009. PREVIOUSLY ALREADY 40 BH WERE DRILLED , OUT OF WHICH 35 BH WERE ORE BEARING , WHICH HAVE BEEN TAKEN INTO CONSIDERATION FOR CALCULATION OF RESEREVES.. THE DEPTH OF BH VARIES FROM 18 M TO 55 M.	THE MINE IS NOT IN OPERATION SINCE 06.11.2009 DUE TO WANT OF FOREST CLEARANCE. SUBSEQUENTLY, THE STATE GOVT. DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2013-14: IRON ORE : SOUTHERN SIDE OF THE LEASE AREA CALLED AS SOUTH QUARRY MANGANESE : MANGANESE QUARRY , AS PER APPROVED MINING PLAN DATED 15.05.2013.	NIL	MINE IS NOT IN OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	THERE ARE 6 PROMINENT QUARRIES ALONG WITH OTHER SMALL QUARRIES SITUATED ADJACENT THE SAFETY ZONE .BUT PROPOSAL FOR 2013-14 IN THE SOUTHERN SIDE OF THE LEASE FOR IRON ORE AND IN OLD MANGANESE QUARRY, AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 29.11.2013-14 TO 2017-18.	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF FOREST CLEARANCE AND SUBSEQUENTLY THE STATE GOVT. HAS DECLARED THE LEASE AS LAPSED VIDE LETTER DATED 16.06.2015.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2013-14: IRON ORE : ONE PIT ( SOUTH QUARRY) AND OLD MANGANESE QUARRY	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009
3b	Quantity of ROM mineral production proposed	2013-14: ROM IRON ORE : 112800 MT AND MANGANESE : 179375 MT	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF FOREST CLEARANCE.
3c	Recovery of sailable/usable mineral from ROM production	2013-14: SALEABLE IRON ORE : 68018 MT AND MANGANESE : 3319 MT	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES.

3h	Manual / Mechanised method adopted for segregating from ROM	QUALITY OF IRON ORE OF THIS MINE IS COMPARATIVELY INFERIOR THAN THAT OF GURUBEDA IRON ORE MINE OF SAME LESSEE. AS BOTH THE MINES ARE OF SAME LESSEE, ORE PRODUCE FROM GURUBEDA MINE IS TRANSPORTED TO BANSPANI MINE FOR NECESSARY BLENDING AFTER CRUSHING AND SCREENING BY MOBILE PLANTS TO MAKE THE ORE SALEABLE.	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF FOREST CLEARANCE.
3m	Total area covered under excavation/pits		NIL ALREADY AREA COVERED UNDER EXCAVATION : 27.368 HA CUMULATIVE	NO MINING OPERATION SINCE NOVEMBER, 2009
3o	Total area put in use under different heads at the end of year		NIL ALREADY CUMULATIVE AREA COVERED UNDER EXCAVATION : 27.368 HA, USED FOR WASTE DISPOSAL : 2.0 HA, OCCUPIED BY ROAD & BUILDING : 8.0 HA & USED FOR OTHER PURPOSES : 0.5 HA	NO MINING OPERATION SINCE NOVEMBER, 2009.

3p	Production of ROM mineral during the last five year period as applicable	AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 29.11.2013-14 TO 2017-18 , THE PROPOSAL OF ROM WAS AS FOLLOWS: IRON ORE: 2013-14: 112800 MT, 2014-15: 288000 MT, 2015-16: 286350 MT, 2016-17: 288000 MT  MANGANESE : 2013-14: 179375 MT, 2014-15: 178750 MT, 2015-16: 175625 MT, 2016-17: 179750 MT	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES.
3q	General remarks of inspecting officers on method of mining etc.	OTHER THAN FULLY MECHANISED METHOD OF MINING WITH TIPPER - EXCAVATOR COMBINATION. DRILLING AND BLASTING FOR LOOSENING THE ROCK MASS FOR EASE THE EXCAVATION. ROCK BREAKER IS USED FOR SECONDARY BLASTING. 10 T CAPACITY TIPPER USED FOR TRANSPORTATION OF WASTE TO THE DUMP.	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT HAS DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	SEPARATE DUMPING OF OB / WASTE PROPOSED	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009.
4b	Location of topsoil, OB and mineral reject dumps	OB / WASTE PROPOSED TO BE DUMPED OVER THE EXISTING DUMP i e MAIN DUMP SITUATED AT THE SOUTHERN PART OF THE LEASE .	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009
4c	Number of dumps within lease area and outside of lease area	ONE EXISTING DUMP WITHIN LEASE AREA AND NO DUMP OUTSIDE LEASE AREA	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009
4h	Whether Retaining wall or garland drain all along dumps are there.	YES, PROPOSED	NIL HOWEVER ALREADY EXISTING RETAINING WALL AND GARLAND DRAIN ARE THERE ALONG THE DUMP	NO MINING OPERATION SINCE NOVEMBER, 2009
4k	Specific comments of inspecting officer on waste dump management	2013-14: FROM IRON QUARRY 13210 CUM AND FROM MANGANESE QUARRY 79663 CUM WASTE PROPOSE TO BE GENERATED AND TO BE DUMPED INTHE EXISTING DUMP . RETAINING WALL AND GARLAND DRAIN PROPOSED TO BE MADE AROUND THE DUMP.	NIL	NO MINING OPERATION SINCE 06.11.2009 DUE TO WANT OF STATUTORY CLEARANCES. SUBSEQUENTLY THE STATE GOVT HAS DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.

## 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.	WASTE GENERATED FROM IRON QUARRIES DURING 2013-14 & 2014-15 PROPOSED TO BE UTILISED FOR BACKFILLING THE QUARRIES IN SAFETY ZONE AREA.	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009
5e	General remarks of inspecting officers on backfilling and reclamation etc.	AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 29.11.2013-14 TO 2017-18 , THE WASTE TO BE GENERATED DURING 2013-14 & 2014-15 PROPOSED TO BE UTILISED FOR BACK FILLING THE QUARRIES IN SAFETY ZONE AREA.	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT HAS DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.

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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).	NO	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES.	SUBSEQUENTLY THE STATE GOVT HAS DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.
6e	Cumulative no .of plants	2013-14: 3080 NO OF SAPLINGS OVER AN AREA 19370 SQ.M	NIL HOWEVER CUMULATIVE NOS OF TREES PLANTED 200 WITHIN LEASE AREA AND 450 OUTSIDE LEASE AREA.	NO MINING OPERATION SINCE NOVEMBER, 2009 DUE TO WANT OF STATUTORY CLEARANCES

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	AS PER MINING PLAN APPROVED ON 15.05.2013 FOR THE PERIOD 29.11.2013-14 TO 2017-18, THE PMCP PROPOSAL FOR THE YEAR 2013-14 WAS AS FOLLOWS: BACK FILLING OVER 2.2 HA, RETAINING WALL & GARLAND DRAIN 2 NOS, AND AFFORESTATION OVER 1.937 HA WITH 3080 NO TREES.	NIL	AS THE MINE IS NOT IN OPERATION SINCE 06.11.2009 DUE TO WANT OF STATUTORY CLEARANCES, NO PMCP PROPSAL WAS CARRIED OUT. SUBSEQUENTLY THE STATE GOVT HAS DECLARED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 16.06.2015.
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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: ROM MINERAL : IRON ORE : 112800 MT (55% FE), SALEABLE ORE: 68018 MT ( 60% FE) ROM MINERAL: MANGANESE : 179375 MT ( 6% MN), SALEABLE ORE : 3319 MT (40% MN)	NIL	NO MINING OPERATION SINCE NOVEMBER, 2009

7d	Any beneficiation process at mines .	IRON : ABOUT 33% OF ROM IS SUB-GRADE ( 45 TO 58% FE ) AND IN CASE OF MANGANESE ABOUT 63 % OF ROM IS SUB-GRADE ( 10 TO 20% MN) THESE SUB-GRADE ORES STACK SEPARATELY AND PROPOSED TO BE BLENDED WITH HIGH GRADE ORE FOR MAKING IT SALEABLE AS PER MARKET DEMAND.	NIL	MINE IS NOT IN OPERATION SINCE 06.11.2009 DUE TO WANT OF STATUTORY CLEARANCES
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			SUB-GRADE IRON ORE ( 45 TO 58% FE) AND SUB-GRADE MANGANESE ORE ( 10TO 20% MN) BLENDED WITH HIGH GRADE ORE FOR MAKING IT SALEABLE. BUT PRESENTLY NO MINING OPERATION SINCE 06.11.2009 DUE TO STATUTORY CLEARANCES.

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO PROPOSAL	NIL	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	3080 NO OF TREES PROPOSED OVER AN AREA 1.937 HA DURING 2013-14.	THE AREA IS MODERATELY SLOPING HILL. NO AGRICULTURAL LAND IS INSIDE THE LEASE, NO PROMINENT VEGETATION INSIDE THE LEASE. CUMULATIVE 200 NO OF TREES WERE PLANTED INSIDE THE LEASE PREVIOUSLY.	NO MINING OPERATION SINCE 06.11.2009 DUE TO STATUTORY CLEARANCE.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		NO MINING OPERATION SINCE 06.11.2009 DUE TO WANT OF STATUTORY	AESTHETIC BEAUTY IN AND AROUND THE MINES AREA IS AVERAGE

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	NOT SUBMITTED	NO MINING OPERATION SINCE 06.11.2009 DUE TO WANT OF STATUTORY CLEARANCES	SUBSEQUENTLY THE STATE GOVT HAS DECLRED THE LEASE AS LAPSED VIDE THEIR LETTER DATED 26.06.2015.

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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