

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-47/BBS

Mine code : 30ORI08070

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : SHRI A P MOHANTY, SON OF SHRI B K MOHANTY, MINE OWNE
Official with
Designation
- (iv) Date of Inspection : 15/07/2014
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAIKA KALAPARBHAT**
- (b) **Registration NO.** : **IBM / 8435 / 2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : RAIKA
- Taluka : BARBIL
- Post office : BARBIL
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 06767 -277361 / 094370017
- (f) Police Station : BARBIL- 758 035
- (g) First opening date : 14/01/1982
- (h) Weekly day of rest : SUN
2. Address for : VILL: RAIKA
correspondance POST OFFICE: BONAİKELA
DIST:KEONJHAR
3. (a) Lease Number : ORI0728
- (b) Lease area : 9.81
- (c) Period of lease : 20
- (d) Date of Expiry : 09/04/2001
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/S KUSHALESWAR MINERALS
SRI BASANT KUMAR MOHANTY
NEW MARKET, MADHUSUDAN
SQUARE, AT/P.O.- BARBIL,
DISTT.- KEONJHAR KEONJHAR
ORISSA
Phone:
FAX :

Owner : KUSHALESWAR MINERALS
NEW MARKET, BARBIL POST
BOX:30 KEONJHAR ORISSA
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	31/03/2008
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	09/04/2012

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2012-13 : 10 BH, 2013-14: 10 BH AS PER MINING PLAN APPROVED ON 09.04.2012 FOR THE PERIOD 08.04.2011 TO 2015-16.	NIL	NO MINING OPERATION SINCE LONG i.e JANUARY, 1997 DUE TO WANT OF FOREST CLEARANCE AS PER LETTER OF DDM, JODA VIDE THEIR LETTER NO.669 (40) / MINES DATED 17.01.1997. SUBSEQUENTLY STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f. 01.03.2010 VIDE THEIR LETTER NO.12052/ IV(AB)SM-42/2007/SM DATED 10.12.2015.
1b	Exploration over lease area for geological axis 1 or 2	AS PER MINING PLAN APPROVED ON 09.04.2012 FOR THE PERIOD 08.04.2011 TO 2015-16 THE EXOLORATION PROPOSAL WAS AS FOLLOWS: 2012-13: 10BH, 2013-14: 10 BH & 2014-15: 10 BH	NIL HOWEVER RESERVES WAS ESTIMATED BY CROSS SECTIONAL AREA METHOD. DETAILED OBSERVATION FROM THE WORKING QUARRIES, UPDATED DEPTH WERE TAKEN INTO ACCOUNT. PROVED LEVEL WAS TAKEN EXACT POSITION OF THE QUARRY DEPTH, PROBABLE LEVEL WAS CONSIDERED 3 M BELOW THE PROVED LIMIT AND POSSIBLE LEVEL WAS CONSIDERED 2 M BELOW IN ALL THE ZONES.	MINING OPERATIONS HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF FOREST CLEARANCE VIDE HIS LETTER DATED 17.01.1997. SUBSEQUENTLY, STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f.01.03.2010 VIDE THEIR LETTER DATED 10.12.2015.

1d	Balance area to be explored to bring Geological axis in 1 or 2	WHOLE LEASE AREA 9.8136 HA TOTALLY FOREST AREA. DURING 2012-13 TO 2014-15 : 30 BH UP TO DEPTH OF MINERALISATION, AS PER MINING PLAN APPROVED ON 09.04.2012 FOR THE PERIOD 08.04.2011 TO 2015-16.	NIL	NO MINING OPERATION SINCE JANUARY, 1997.
1e	Balance reserve as on 01/04/20		AS PER MINING PLAN APPROVED ON 09.04.2012 FOR THE PERIOD 08.04.2011 TO 2015-16, THE RESERVE / RESOURCES ESTIMATED AS PER UNFC NORMS IS AS FOLLOWS: IRON ORE : 122: 246750 MT + 222: 36400 MT + 332: 160555 MT + 333 : 232932 MT = 676637 MT MANGANESE ORE: 333 : 14280 MT	
1f	General remarks of inspecting officers on geology, exploration etc	30 BH WERE PROPOSED DURING 2012-13 TO 2014-15, AS PER APPROVED MINING PLAN	NO BH WAS DRILLED. RESERVE WAS ESTIMATED ON THE BASIS OF DETAILED OBSERVATION FROM THE WORKING QUARRIES, UPDATED DEPTHS OF PROVED, PROBABLE & POSSIBLE LIMITS WERE TAKEN INTO ACCOUNT.	MINING OPERATION WAS STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCES. SUBSEQUENTLY STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f. 01.03.2010 VIDE THEIR LETTER DATED 10.12.2015.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	QUARRY 1 & 2, IN THE SOUTH-WESTERN PART OF THE LEASE AREA	NIL	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCES.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	QUARRY 1 & 2 EXIST IN THE SOUTH-WEST PART OF THE LEASE	NIL NO WORK SINCE LONG i.e JANUARY, 1997	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCE . SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f.01.03.2010 VIDE THEIR LETTER DATED 10.12.2015

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	QUARRY 1 & QUARRY-2	NIL NO MINING OPERATION SINCE LONG i.e JANUARY, 1997	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCES AND SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE STOOD LAPSED w e f.01.03.2010 VIDE THEIR LETTER DATED 10.12.2015.

3b	Quantity of ROM mineral production proposed	AS PER MINING PLAN APPROVED ON 09.04.2012 FOR THE PERIOD 08.04.2011 TO 2015-16 THE PROPOSAL WAS AS FOLLOWS: IRON ORE : 2011-12: NIL, 2012-13: 16068 MT, 2013-14: 29657 MT, 2014-15: 30906 MT, 2015-16: 38411 MT MANGANESE : 2011-12 TO 2014-15: NIL, 2015-16: 600 MT	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCE.
3m	Total area covered under excavation/pits	NIL HOWEVER ALREADY AREA COVERED UNDER EXCAVATION / PITS : 2.165 HA	NO MINING OPERATION SINCE JANUARY, 1997.
3o	Total area put in use under different heads at the end of year	NIL HOWEVER ALREADY AREA PUT IN USE UNDER MINING : 2.165 HA, USED FOR DUMPING : 0.393 HA, ORE STACKING: 0.453 HA, OCCUPIED BY ROAD : 0.06 HA, OTHERS : 0.004 HA, SAFETY ZONE : 1.266 HA.	NO MINING OPERATION SINCE JANUARY, 1997.

3q	General remarks of inspecting officers on method of mining etc.	OTHER THAN FULLY MECHANISED METHOD OF MINING , WITH THE DEPLOYMENT OF EXCAVATOR, REAR DUMPOER, JACK HAMMER & ROCK BREAKER ETC. WHEREEVER ANY HARD FORMATION IS ENCOUNTERED , BLASTING PROCEDURE IS PROPOSED TO EXCAVATE THE ORE.	NIL NO MINING OPERATION SINCE JANUARY, 1997.	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCE. SUBSEQUENTLY, THE STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED W e f 01.03.2010 VIDE THEIR LETTER DATED 10.12.2015.
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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)	NO TOP-SOIL GENERATION SEPARATE DUMPING OF OB / WASTE	NIL HOWEVER THERE ARE 3 NOS DUMP ALREADY EXIST	NO MINING OPERATION SINCE JANUARY, 1997.
4c	Number of dumps within lease area and outside of lease area	3 NOS DUMP	NIL HOWEVER, THERE ARE 3 NO OF DUMP ALREADY EXIST WITH IN LEASE AREA AND NO DUMP OUTSIDE OF LEASE AREA.	NO MINING OPERATION SINCE JANUARY, 1997.
4k	Specific comments of inspecting officer on waste dump management		THERE ARE 3 NOS OF DUMP ALREADY EXIST ON THE NON-MINERALISED AREA IN THE NORTH-EASTERN PART OF THE LEASE AREA.	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCES

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 BACK FILLING PROPOSAL		
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO BACK FILLING PROPOSAL	NIL	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997. DUE TO WANT OF STATUTORY CLEARANCES.

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 RECEIVED.		
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	ONE NO RETAINING WALL AND ONE NO GARLAND DRAIN PROPOSED	NIL NO MINING OPERATION SINCE LONG i.e. JANUARY, 1997.	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCES.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7d	Any beneficiation process at mines .	PROPOSED CRUSHING AND SCREENING THE ROM ORE OF 200 MM SIZE TO PRODUCE 10-30 MM LUMP . THE OVER SIZE PROPOSED TO BE CRUSHED IN A SECONDARY CRUSHER AND FINAL SCREENING TO PRODUCE 10-30 MM LUMP AND - 10 MM FINES . THE INCIDENCE OF LUMP AND FINES OF THE ORDER OF 45% & 55% RESPECTIVELY.	NIL NO MINING OPERATION SINCE JANUARY, 1997.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	THE SUB-GRADE IRON ORE OF 45% TO 58% FE AND SUB-GRADE MANGANESE ORE OF 10% TO 20% MN CONTENT STACKED SEPARATELY IN NORTH-WESTERN PART OF THE LEASE FOR FURTHER INDUSTRIAL USE.	NIL	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCE AND SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.03.2010 VIDE THEIR LETTER DATED 10.12.2015.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPARATE DUMP FOR OB / WASTE	NIL HOWEVER, THERE WERE 3 NOS DUMP ALREADY EXIST .	NO MINING OPERATION SINCE JANUARY, 1997.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	TOTAL LEASE AREA 9.8136 HA IS UNDER FOREST. THE FOREST IN AND AROUND THE LEASE IS WITH LOW DENSITY OF TREE.	NIL NO MINING OPERATION SINCE LONG i e . JANUARY, 1997.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		NO MINING OPERATION SINCE JANUARY, 1997.	TOTAL MINING LEASE AREA 9.8136 HA IS UNDER FOREST, WITH LOW DENSITY OF TREE. THE FOREST IN THE BUFFER ZONE IS UNDISTURBED, VERY THICK, DRY AND DECIDUOUS TYPE. THE FOREST IS HAVING GOOD REGENERATION POTENTIAL IN THE AREA.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	NOT RECEIVED	NO MINING OPERATION SINCE LONG i e. JANUARY, 1997.	MINING OPERATION HAS BEEN STOPPED BY DDM, JODA SINCE JANUARY, 1997 DUE TO WANT OF STATUTORY CLEARANCES VIDE HIS LETTER DATED 17.01.1997. SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f. 01.03.2010 VIDE THEIR LETTER DATED 10.12.2015.

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

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines