

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-20/BBS

Mine code : 30ORI08064

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI RANJIT KUMAR BEHERA MINING ENGINEER**
Official with
Designation
- (iv) Date of Inspection : 14/04/2013
- (v) Prev.inspection date : 17/03/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **INGANIJHARAN**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : DODUAN
- Taluka : BARBIL
- Post office : JODA
- Pin Code : 758034
- FAX No. :
- E-mail :
- Phone : 9937221000
- (e) Police Station :
- (f) First opening date : 15/01/2006
2. Address for : 61, JANPATH, UNIT-III
correspondance BHUBANESWAR, ORISSA
3. (a) Lease Number : ORI0653
- (b) Lease area : 74.62
- (c) Period of lease : 0
- (d) Date of Expiry :
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : B. C. DEB
 KEONJHAR ORISSA
 Phone:
 FAX :

Owner : B.C.DEB
 AT- CONTRACTORS COLONY P.O.
 JODA, DIST.- KEONJHAR,
 ORISSA KEONJHAR ORISSA
 Phone: 9937221000
 FAX :

6. Date of approval of Mining : 24/04/2012
 Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS**1. Details about Average employment :**

Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	1	
Ministrial	4	
Workers	15	
Supervisory	4	

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.

Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Water supply				0.60	
Health				2.40	INCLUDING SAFETY
Sanitation				0.24	
Sub total				3.24	
Infrastructure					
Sub total					
Training				1.20	
Recreation				0.65	INCLUDING SPORTS
Total				5.09	

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

ON THE BASIS OF MCDR INSPECTION ON 17/03/2012, VIOLATION UNDER RULE 33(2) & (5), 42(1) (C) (1), 45(1) (a), 45 (1) (C) AND 46 WERE POINTED OUT ON 16.04.2012. RULES 45 (1) (a), 45(1) (C) & 46 WERE COMPLIED , VIDE LESSESS'S LETTER DATED 14.05.2012. FOR REMAINING RULES 33 (2) & 42 (1) (C) . SHOWCAUSE NOTICE WAS ISSUED ON 22.08.2012. STILL NOT COMPLIED.

HOWEVER, FOR COMPLIANCE ABOVE RULES, LESSEE HAD SUBMITTED MODIFICATION OF SCHEME OF MINING ON 11.06.2013 WHICH WAS RETURNED ON. 11.04.2014.

SUBSEQUENTLY LESSEE HAS SUBMITTED AFRESH MINING PLAN FOR THE PERIOD 2014-15 TO 2018-19 ON 28.05.2014, WHICH WAS ALSO WITHDRAWN BY THE LESSEE ON 23.07.2014 FOR RESUBMISSION AFTER CORRECTION.

MINING OPERATION HAS BEEN SUSPENDED BY DDM JODA SINCE 06.11.2009. FOR WANT OF E.C.

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 19888, if recommended.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
-------	----------	------------------	---------

A. Exploration (Rule 13)

a.Type of prospecting : and exploration i.e. pitting, drilling	NIL	MINING OPERATION HAS BEEN SUSPENDED BY DDM JODA WITH EFFECT FROM 06.11.2009 FOR WANT OF E C ETC.
b.Total area covered : 0.84 HA		

B. Working (Rule 13)

a.Number and size of : 470 M X 300 M each pit (LxWxH) TAPPER IN SOUTHWARD		
b.Bench : 290 M X 52 M X 6 M size(LxWxH)length can REGULAR be defined as regular/irregular		MINING OPERATION HAS BEEN SUSPENDED WITH EFFECT FROM 06.11.2009 BY DDM JODA FOR WANT OF E C ETC.
d.Total area covered : under excavation/pits	31.054 HA	

C. Waste disposal (Rule 13)

a.Location of dumps : e.Yearly generation : of waste quantity.	DUMP 2 AND DUMP 3 MINING OPERATION SUSPENDED WITH EFFECT FROM 06.11.2009 BY DDM JODA FOR WANT OF E C ETC.	
b.Method of dumping : whether advancing/retreat	ADVANCING	
c.Total area covered : under waste dump.	8140 SQM	
d.No.and size of each : waste dump with No of steps/lift/bench	DUMP 2 : 140 M X 34 M DUMP 3 : 130 M X 26 M	MINING OPERATION SUSPENDED BY DDM JODA WITH EFFECT FROM 06.11.2009 FOR WANT OF E C ETC

D. Production

b.Year wise : production of last	MINING OPERATION SUSPENDED BY DDM JODA	
-------------------------------------	---	--

five year.

WITH EFFECT FROM
06.11.2009 FOR WANT OF E
C ETC. NOTICE OF
TEMPORARY
DISCONTINUANCE SUBMITTED
BY THE LESSEE

D. Reserve

a. Reserve position as :
per latest MP/MS and
at the time of
inspection.

RESERVE POSITION AS ON MINING
01.04.2009, AS PER OPERATION HAS
LATEST SCHEME OF MINING BEEN SUSPENDED
APPROVED ON 26.03.2010 BY DDM, JODA
FOR THE PERIOD 2009-10 WITH EFFECT
TO 2013-14 AND AT THE FROM 06.11.2009
TIME OF INSPECTION IS AS DUE TO WANT OF
FOLLOWS: E C ETC.
IRON ORE: 111: 1974632
MT , 121 : 427718 MT,
221: 432040 MT , 222 :
126920 MT
MANGANESE ORE: 111:
1495299 MT, 121: 1139008
MT, 222 +332 + 333 :
1501920 MT

RESERVE POSITION AS ON 01/04/2013

IRON ORE		
Category	Quantity in Tonnes	Grade
Proved	1974632	AS PER UNFC 111
Probable	427718	AS PER UNFC 121
Possible	558960	AS PER UNFC 221 + 222
Total	2961310	

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
IRON ORE	0	TON

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving percentage of recovery of ore. : MINING OPERATION HAS BEEN SUSPENDED WITH EFFECT FROM 06.11.2009 BY DDM JODA FOR WANT OF E C

Mineral Rule 15

Number of benches in ore and waste. : IRON : NUMBER OF BENCHES IN ORE 3 AND IN WASTE 3
MANGANESE : NUMBER OF BENCHES IN ORE 3 AND IN WASTE 3

Percentage of recovery of ore : MINING OPERATION HAS BEEN SUSPENDED WITH EFFECT FROM pitwise w.r.t. ROM and total material 06.11.2009 BY DDM JODA FOR WANT OF E C ETC.

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
23	17	

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

Overburden/waste removed (in m3) :	0
------------------------------------	---

Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ**A. Land environment**

- a. Landscape. : EASTWARD SLOPING HILLY TERRAIN UPTO RIVER BAITARANI
 b. Aesthetic environment : GOOD
 d. Agriculture : NO AGRICULTURE LAND WITH IN LEASE AREA.
 e. Forest(flora and fauna) : THELEASE AREA HAS THICK FOREST IN PATCHES HAVING VARIETY OF SPECIES.
 f. Vegetation : LOCAL SPECIES ARE SEEN

C. Air environment

- c. Climatic condition : SUB-TROPICAL

D. Socio economic environment

- a. Social and demographic profile. : THE AREA IS PREDOMINANTLY TRIBAL AREA.

7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.

<u>Water Management</u>					
Season	Station type	Station name	Parameter	Value	
				Actual	Excess

<u>Air data for excess parameters</u>					
Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2012 - 2013</u>	Area in Hect.
--	--------------------	---------------

<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2013

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

ANNUAL RETURN FOR THE YEAR 2012-13 HAS BEEN RECEIVED.

NO PRODUCTION DURING 2012-13

AS THE MINING OPERATION HAS BEEN SUSPENDED SINCE 06.11.2009 BY DDM JODA FOR WANT OF E C ETC.

FIXED ASSETS: Rs.47398979 /-

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

MINING LEASE DEED FOR MANGANESE WAS EXECUTED IN FAVOUR OF SHRI MANJUSREE DEB ON 17.02.1959 OVER AN AREA 284 ACRES IN INGANIJHARAN OF KEONJHAR DISTRICT WITH EFFECT FROM 20.11.1953 FOR 20 YEARS.

MINING LEASE DEED FOR IRON WAS EXECUTED IN FAVOUR OF SHRI MANJUSREE DEB ON 31.12.1962 OVER AN AREA 284 ACRES IN INGANIJHARAN OF KEONJHAR DISTRICT WITH EFFECT FROM 31.12.1962 FOR THE TERM OF 10 YEARS 10 MONTHS 19 DAYS.

STATE GOVT HAS RECEIVED THE APPLICATION FOR RML IN FORM -D FROM SHRI BIKASH CHANDRA DEB , LEGAL HEIR OF LATE M S DEB ON 19.11.2012.

AFTER THE DEATH OF M S DEB ON 22.02.1982, SHRI B C DEB HAS SUBMITTED A CERTIFICATE COPY OF LEGAL HEIR CERTIFICATE FROM TAHASILDAR, KUCHINDA.

IN THE MINING LEASE DEED NAME OF SHRI B C DEB HAS NOT BEEN CHANGED AFTER THE DEATH OF HIS FATHER MANJUSREE DEB AND EXECUTED.

BOUNDARY PILLARS ARE NOT CONSTRUCTED AND MAINTAINED AS PER CCOM CIRCULAR NO 2/2010 AND ITS ADDENDUM. SCHEME OF MINING WAS APPROVED ON 26.03.2010 FOR THE PERIOD 2009-10 TO 2013-14.

AS INFORMED BY THE LESSEE:

E C NOT OBTAINED, FILE PENDING AT MOEF, NEW DELHI SINCE 26.06.2013.

F C NOT OBTAINED, FILE PENDING AT DFO, KEONJHAR SINCE 22.12.2012

CONSENT TO OPERATE WAS VALID UPTO 31.03.2011, SUBSEQUENT CONSENT WILL BE OBTAINED FROM SPCB AS SOON AS E C OBTAINED.

b. Compliance of the provisions of MCDR, 88 and advise given.

ON THE BASIS OF MCDR INSPECTION ON 17/03/2012, VIOLATION UNDER RULE 33(2) & (5), 42(1) (C) (1), 45(1) (a), 45 (1) (C) AND 46 WERE POINTED OUT ON 16.04.2012. RULES 45 (1) (a), 45(1) (C) & 46 WERE COMPLIED , VIDE LESSESS'S LETTER DATED 14.05.2012. FOR REMAINING RULES 33 (2) & 42 (1) (C) . SHOWCAUSE NOTICE WAS ISSUED ON 22.08.2012. STILL NOT COMPLIED.

HOWEVER, FOR COMPLIANCE ABOVE RULES, LESSEE HAD SUBMITTED MODIFICATION OF SCHEME OF MINING ON 11.06.2013 WHICH WAS RETURNED ON. 11.04.2014. SUBSEQUENTLY LESSEE HAS SUBMITTED AFRESH MINING PLAN FOR THE PERIOD 2014-15 TO 2018-19 ON 28.05.2014, WHICH WAS ALSO WITHDRAWN BY THE LESSEE ON 23.07.2014 FOR RESUBMISSION AFTER CORRECTION.

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

THE MINE OWNER HAS CARRIED EXPLORATION AS PER UNFC NORMS AS FOLLOWS:

G1 LEVEL : 24.491 HA + G2 LEVEL : 0.850 HA + G3 LEVEL : 0.350 HA + NON- MINERALISED : 0 HA + BALANCE LEASE AREA TO BE EXPLORED : FOREST: 52.00 HA + NON-FOREST: 37.239 HA = 114.930 HA.

OUT OF TOTAL LEASE AREA : 114.930 HA (FOREST: 58.127 HA + NON-FOREST: 56.803 HA)

MINING OPERATION HAS BEEN SUSPENDED BY DDM JODA SINCE 06.11.2009 FOR WANT OF E C ETC.

h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.

THE MINERALISATION WILL NOT EXHAUST WITHIN THE PRESENT PERIOD SO THE CLOSING OPERATION IN PHASES DOES NOT ARISE.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

DIRECTOR OF MINES, GOVT. OF ODISHA IS REQUESTED TO ENSURE FIXING OF BOUNDARY PILLARS
The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines