

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/SNG/MCDR-14/BBS

Mine code : 30ORI13015

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : SHRI A K BEHURA, REPRESENTATIVE OF LESSEE AND SHRI S
Official with
Designation
- (iv) Date of Inspection : 19/07/2014
- (v) Prev.inspection date : 06/06/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NUAGAON**
- (b) **Registration NO.** : **IBM / 6295 /2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : NUAGAON
- Taluka : BONAI
- Post office : KOIRA
- Pin Code :
- FAX No. : 06767 - 276384
- E-mail : sharma.shivdutt@gmail.com
- Phone : 06767 - 275335
- (f) Police Station : KOIRA
- (g) First opening date : 22/07/1985
- (h) Weekly day of rest : SAT
2. Address for : SHARMA HOUSE, P.O: BARBIL, DISTT: KEONJHAR
correspondance ODISHA, PIN: 758 035 / NUAGAON IRON MINE OF
S D SHARMA P.O: KOIRA -770 048, ODISHA.
3. (a) Lease Number : ORI0152
- (b) Lease area : 12.92
- (c) Period of lease : 20
- (d) Date of Expiry : 06/05/2005
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : Sri.S.D.Sharma
 At/Po.barbil DIST-KEONJHAR
 KEONJHAR ORISSA
 Phone:06767-75335
 FAX :

Owner : S.D.SHARMA
 AT/PO BARBIL KEONJHAR
 ORISSA
 Phone: 30335, 30971
 FAX :

Agent : T.N.SAHAY
 C/O S.D.SHARMA AT/PO-BARBIL
 DIST-KEONJHAR KEONJHAR
 ORISSA
 Phone:
 FAX :

Mining Engineer

Name : A.K.. SAHOO,Full Time
 Qualification : AMIE(MINING)
 Appointment/ : 07/01/2002
 Termination date

Mining Engineer

Name : MD. SADRE ALAM,Full Time
 Qualification : B TECH MINING
 Appointment/ : 28/12/2001
 Termination date

Geologist

Name : DR. M. SINGH,Full Time
 Qualification : MSC PHD GEOLOGY
 Appointment/ : 01/02/2000
 Termination date

Manager

Name : P.K.MOHANTY
 Qualification : BSC,MINES FOREMAN,PERMIT MANAGER
 Appointment/ :
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 22/01/2002
 Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 31/05/2006
 Renewal under rule 24 MCR1960 12/01/2007
 Mining Scheme rule 12 MCDR1988 17/09/2010

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	I HAVE INSPECTED THE MINE ON 19.07.2014, PROPOSAL FOR 2013-14 WASTO DRILL 6 NOS OF BH AS PER SCHEME OF MINING APPROVED ON 17.09.2010 FOR THE PERIOD 2010-11 TO 2014-15.	NIL NO WORK DURING 2013-14 MINING OPERATION HAS BEEN STOPPED BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES. w e f. 28.10.2009. HOWEVER EARLIER LESSEE HAD ALREADY DRILLED 5 NOS DTH DURING THE YEAR 1998-2005.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w.e.f.01.04.2011 AND REJECTED THE RML APPLICATION VIDE THEIR LETTER N.O. 285 /SM DATED 07.01.2015.
1b	Exploration over lease area for geological axis 1 or 2	AS PER SCHEME OF MINING APPROVED ON 17.09.2010 FOR THE PERIOD 2010-11 TO 2014-15 THE EXPLORATION PROPOSAL WAS AS FOLLOWS: 2010-11: 5 BH, 2011-12: 5 BH, 2012-13: 6 BH, 2013-14: 6 BH & 2014-15: 6 BH TOTAL 28 BH	NIL MINING OPERATION WAS STOPPED w e f.28.10.2009 BY DDM,KOIRA FOR WANT OF STATUTORY CLEARANCES HOWEVER LESSEE HAD DRILLED 5 DTH ONLY DURING 1998-2005	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f. 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO DATED 07.01.2015.
1d	Balance area to be explored to bring Geological axis in 1 or 2	28 NOS BH TO BE DRILLED DURING 2010-11 TO 2014-15 IN THE WHOLE LEASE AREA AS PER S O M APPROVED ON 17.09.2010.	NIL. MINING OPERATION HAS BEEN STOPPED w e f.28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES. HOWEVER LESSEE HAS DRILLED ONLY 5 DTH DURING 1998-2005.	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f.01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO. 285 / SM DATED 07.01.2015.

1e	Balance reserve as on 01/04/20		RESERVE HAS BEEN ESTIMATED AS PER UNFC NORMS AS PER SCHEME OF MINING APPROVED ON 17.09.2010 WAS AS FOLLOWS: IRON ORE : 111 : 716366 MT, 121: 319800 MT, 221: 322365 MT, 222: 105975 MT MANGANESE: 111: 185667 MT, 121: 83683 MT, 221 : 20630 MT, 222: 9298 MT	
1f	General remarks of inspecting officers on geology, exploration etc	28 BH PROPOSED TO BE BE DRILLED DURING 2010- 11 TO 2014-15	NIL MINING OPERATION HAS BEEN STOPPED w e f 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES. HOWEVER 5 DTH DRILLED DURING 1998-2005. RESERVE HAS BEEN ESTIMATED ON THE BASIS OF SUFACIAL EXPOSURE, EXISTING QUARRY & BORE HOLES. THE PROVED RESERVE HAS BEEN ESTIMATED BASED ON THE ACTUAL THICKNESS OF THE ORE BODY AS EXPOSED IN QUARRY FACES AND BOREHOLES.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f . 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO.285 / SM DATED 07.01.2015.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	IRON : 3 QUARRIES NAMELY, OLD QUARRY, TOP QUARRY & BOTTOM QUARRY MANGANESE : QUARRY - 1 & 2 AND QUARRY - 3.	NIL NO WORK SINCE 28.10.2009 FOR WANT OF STATUTORY CLEARANCES	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f.01.04.2011 AND REJECTED THE RML APPLICATION VIDE THEIR LETTER NO.285/SM DATED 07.01.2015.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	3 QUARRIES IN IRON AND 2 QUARRIES IN MANGANESE WERE PROPOSED FOR DEVELOPMENT DURING 2010-11 TO 2014-15	NIL MINING OPERATION HAS BEEN STOPPED w e f 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO.285 /SM DATED 07.01.2015.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 NOS PIT IN IRON ORE AND 2 NOS PIT IN MANGANESE	NIL NO MINING OPERATION SINCE 28.10.2009	
3c	Recovery of sailable/usable mineral from ROM production	IRON ORE: 2010-11: 87450 MT, 2011-12: 111075 MT, 2012-13: 145575 MT, 2013-14: 174150MT, 2014-15: 204000 MT MANGANESE: 2010-11: 10000 MT, 2011-12: 10000 MT, 2012-13: 12000 MT, 2013-14: 12000 MT, 2014-15: 12000 MT	NIL MINING OPERATION HAS BEEN STOPPED SINCE 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCE.	

3f	Quantity of sub grade mineral generation.	IRON ORE : NIL LESS THAN 58% NO WORK SINCE FE 28.10.2009 2010-11: 5830 CUM, 2011-12: 7405 CUM, 2012-13: 9705 CUM, 2013-14: 11610 MT, 2014-15: 13600 MT MANGANESE: LESS THAN 20% MN 2010-11: 800 CUM, 2011-12: 800 CUM, 2012- 13: 960 CUM, 2013-14: 960 CUM, 2014-15: 960 CUM		
3o	Total area put in use under different heads at the end of year	MINING OPERATION HAS BEEN STOPPED SINCE 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES	AREA ALREADY PUT IN USE AS FOLLOWS: MINING: 4.753 HA, USED FOR DUMPING : 2.443 HA, ORE STACKING: 0.254 HA, SUB- GRADE STACKING: 0.20 HA, OCCUPIED BY ROAD : 0.988 HA, SITE SERVICE / MAGAZINE: 0.433 HA, PLANTATION: 0.135 HA TOTAL: 9.206 HA	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO.285 / SM DATED 07.01.2015.

3q	General remarks of inspecting officers on method of mining etc.	OTHER THAN FULLY MECHANISED METHOD PROPOSED WITH THE DEPLOYMENT OF JACK HAMMER OF 32 MM DIA FOR DRILLING IN HARD FACES AND BOULDERS. POCLAIN AND LOADERS (L&T 93 CK, KAMATSU 200 & 300) ARE PROPOSED AS PER S O M APPROVED ON 17.09.2010 FOR THE PERIOD 2010-11 TO 2014-15.	NO WORK SINCE 28.10.2009 FOR WANT OF STATUTORY CLEARANCES	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f.01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO.285 / SM DATED 07.01.2015.
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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)	SEPARATE DUMPING OF OB / WASTE PROPOSED TO BE DUMPED AT SOUTHERN SIDE OF THE LEASE AREA	MINING OPERATION HAS BEEN STOPPED SINCE 28.10.2009 FOR WANT OF STATUTORY CLEARANCES.	
4c	Number of dumps within lease area and outside of lease area	FOUR DUMPS WITH IN LEASE AREA AND NO DUMP OUTSIDE OF LEASE AREA	NO WORK SINCE 28.10.2009	

4k	Specific comments of inspecting officer on waste dump management	213140 CUM WASTE FROM IRON AND 62720 CUM WASTE FROM MANGANESE PROPOSED TO BE GENERATED DURING 2010-11 TO 2014-15, AS PER S O M APPROVED ON 17.09.2010	NO WORK SINCE 28.10.2009 FOR WANT OF STATUTORY CLEARANCES	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO.285 / SM DATED 07.01.2015.
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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 TO START BACKFILLING DURING THIS SCHEME PERIOD AS THE ORE HAS NOT BEEN EXHAUSTED	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	RECLAMATION PROPOSED AFTER COMPLETE EXHAUST OF IRON & MN FROM THE WORKING PITS. PRESENTLY ORE HAS NOT BEEN EXHAUSTED, SO THERE IS NO PROPOSAL DURING THIS SCHEME PERIOD i.e 2010-11 TO 2014-15.	NIL	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f.01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO.285 / SM DATED 07.01.2015.

Progressive Mine Clousre Plan:

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).	NOT SUBMITTED	MINING OPERATION HAS BEEN STOPPED SINCE 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES.	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO. 285 / SM DATED 07.01.2015.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	THERE WAS PROPOSAL TO CONSTRUCT RETAINING WALL, GARLAND DRAIN, SETTTLING POND AROUND THE DUMP. AFFORETATION 0.865 HA ETC DURING SCHEME PERIOD	PMCP PROPOSALS WERE NOT COMPLIED AS THE MINING OPERATION HAS BEEN STOPPED SINCE 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES.	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f .01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO. 285 / SM DATED 07.01.2015.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	IRON : 2010-11: 87450 MT, 2011-12: 111075 MT, 2012-13: 145575 MT, 2013-14: 174150 MT, 2014-15: 204000 MT MANGANESE : 2010-11: 10000 MT, 2011-12: 10000 MT, 2012-13: 12000 MT, 2013-14: 12000 MT, 2014-15: 12000 MT	NO MINING OPERATION SINCE 28.10.2009	

7d	Any beneficiation process at mines .	NO BENEFICIATION PROPOSAL AT MINE	THE ORE PRODUCED FROM THE MINE ARE ENTIRELY SOLD IN NDOMESTIC MARKET AND THE SIZE SPECIFICATIONS OF THE ORE DEPENDS ON THE REQUIREMENT OF CUSTOMER.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NO BENEFICIATION PROPOSAL. SUB-GRADE IRON ORE AND MANGANESE STACKED SEPARATELY FOR FUTURE MARKET.	ORE PRODUCED FROM THE MINE SOLD ENTIRELY IN DOMESTIC MARKET.	MINING OPERATION HAS BEEN STOPPED SINCE 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCES. STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE R M L APPLICATION VIDE LETTER NO. 285 / SM DATED 07.01.2015.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO TOP SOIL, NO PROPSAL, IF FOUND, PROPOSED TO BE STACKED SEPARATELY.	NIL	NO MINING OPERATION SINCE 28.10.2009

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	0.865 HA AREA PROPOSED FOR PLANTATION DURING SCHEME PERIOD.i.e 2010-10 TO 2014-15.	NO PLANTATION DONE DURING SCHEME PERIOD, AS MINING OPERATION HAS BEEN STOPPED BY DDM,KOIRA w e f 28.10.2009 FOR WANT OF STATUTORY CLEARANCE TOTAL LEASE AREA 12.942 HA IS FOREST AREA. THE FOREST IN AND AROUND THE LEASE AREA IS DECIDUOUS TYPE WITH LOW DENSITY OF TREE. THE FOREST IS HAVING GOOD REGENERATION POTENTIAL IN THIS REGION. THE COMMON FLORA EXISTING IN THE LEASE HOLD AS WELL AS AROUND THE LEASE.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE RML APPLICATION VIDE THEIR LETTER NO.285 / SM DATED 07.01.2015.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			THE TOTAL LEASE AREA IS IN FOREST . NO MINING OPERATION SINCE LAST 7 YEARS. AESTHETIC BEAUTY HAS BEEN MAINTAINED IN AND AROUND THE MINES AREA.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	MINING OPERATION HAS BEEN STOPPED w e f 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCE.	STATE GOVT. DECALED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE RML APPLICATION VIDE LETTER NO. 285 / SM DATED 07.01.2015.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	<p>I HAVE INSPECTED THE MINE ON 19.07.2014. ANNUAL RETURN 2013-14 WAS SCRUTINISED. STOCK OF MANGANESE ORE GRADE -WISE AS FOLLOWS: BELOW 25% MN : 24846.360 MT, 25% TO BELOW 35% MN : 2.700 MT, 46% MN & ABOVE : 10.420 MT, TOTAL: 24859.480 MT. STOCK OF IRON ORE GRADE-WISE AS FOLLOWS: LUMP: 60% TO BELOW 62% FE: 7105.960 MT, 62% TO BELOW 65% FE: 2112.095 MT, 65% FE & ABOVE: 2.070 MT. FINES: 62% FE TO BELOW 65% FE: 4327.430 MT</p>	<p>MINING OPERATION HAS BEEN STOPPED w e f 28.10.2009 BY DDM, KOIRA FOR WANT OF STATUTORY CLEARANCE. STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 & REJECTED THE RML APPLICATION VIDE THEIR LETTER NO.285 / SM DATED 07.01.2015.</p>
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	<p>ANNUAL RETURN 2013-14 WAS SCRUTINISED. NO PRODUCTION, AS THE MINING OPERATION HAS BEEN STOPPED BY DDM, KOIRA w e f 28.10.2009 FOR WANT OF STATUTORY CLEARANCE.</p>	<p>STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.04.2011 AND REJECTED THE R M L APPLICATION VIDE THEIR LETTER NO.285 / SM DATED 07.01.2015.</p>

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