

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-74-BBS

Mine code : 30ORI08063

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

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DALPAHAR**
- (b) **Registration NO.** : **IBM / 8424 / 2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : DALPAHAR
- Taluka : N.A
- Post office :
- Pin Code :
- FAX No. : 26259576
- E-mail : avinjain@rediffmail.com
- Phone : 26253002 / 41642414
- (f) Police Station : JODA
- (g) First opening date : 09/06/1986
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE : DALPAHAR, P.O: JODA, DISTT: KEONJHAR
correspondance PIN : 758 034
SHRI AVIN JAIN, SON & LEGAL HEIR OF LATE D C JAI
3. (a) Lease Number : ORI0160
- (b) Lease area : 89.96
- (c) Period of lease : 20
- (d) Date of Expiry : 08/06/2006
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : DHARAM CHAND JAIN
KEONJHAR ORISSA KEONJHAR
ORISSA
Phone:
FAX :

Owner : SHRI DHARAM CHAND JAIN
KEONJHAR ORISSA KEONJHAR
ORISSA
Phone:
FAX :

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	11/01/2008
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	11/10/2010

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	SCHEME OF MINING APPROVED ON 24.05.2011 FOR THE PERIOD 2011-12 TO 2015-16. PROPOSAL OF PREVIOUS YEARS WAS AS FOLLOWS: 2011-12: 4 BH, 2012-13: 4 BH. 2013-14: 4 BH	NIL	MINING OPERATION HAS BEEN CLOSED SINCE 1993 AS REPORTED BY THE REPRESENTATIVE OF THE LESSEE. SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f.01.09.1997 VIDE LETTER DATED 01.05.2015.
1b	Exploration over lease area for geological axis 1 or 2	SCHEME OF MINING APPROVED ON 24.05.2011 FOR THE PERIOD 2011-12 TO 2015-16. THE PROPSAL OF EXPLORATION DURING 2011-12 TO 2015-16 WAS 20 BH (5 BH IN IRON ZONE AND 15 IN MANGANESE ZONE)	NIL HOWEVER DETAILED GEOLOGICAL SURVEY HAS ALREADY BEEN CARRIED OUT EARLIER, SURFACE EXPOSURE HAVE BEEN FOUND, EXPLORATION DONE IN PAST BY TRIAL PITS WHICH LATER ON CONVERTED INTO QUARRIES, NUMBER OF PITS WERE OPENED. THESE SCATTERED SMALL QUARRIES SHOWING PRESENCE OF IRON AND MANGANESE ORE COVERS THE EXTENSIVE PART OF THE LEASE AREA AND THUS THE MINERALASIED ZONE HAS BEEN DEMARCATED BASED ON THAT. THE PROVED RESERVE HAS BEEN ESTIMATED BASED ON THE ACTUAL THICKNESS OF THE ORE BODY AS EXPOSED IN	QUARRY FACES. MINING OPERATION HAS BEEN CLOSED SINCE 1993 AS REPORTED BY THE REPRESENTATIVE OF LESSEE. SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f.01.09.1997 VIDE LETTER DATED 01.05.2015.

1d	Balance area to be explored to bring Geological axis in 1 or 2	WHOLE LEASE AREA TO BE EXPLORED BY DRILLING 20 BH (5 IN IRON ZONE AND 15 IN MANGANESE ZONE) DURING 2011-12 TO 2015-16 AS PROPOSED IN THE S O M APPROVED ON 24.05.2011.	NIL	NO MINING OPERATION SINCE 1993.
1e	Balance reserve as on 01/04/20	AS PER S O M APPROVED ON 24.05.2011 THE RESERVE ESTIMATED AS PER UNFC WAS AS FOLLOWS:	IRON : 111: NIL, 121: 1005000 MT, 122: 444375 MT (+ 57% FE) , 211: 201000 MT, 222: 88875 MT (+45 TO 57% FE) , 333 : 564750 MT MANGANESE: 111: NIL, 121: 870000 MT, 122: 1335625 MT (+20% MN) , 211: 348000 MT, 222: 534250 MT (+ 10 TO 20% MN), 333: 1288000 MT	NO MINING OPERATION SINCE 1993.
1f	General remarks of inspecting officers on geology, exploration etc	20 NOS BH PROPOSED IN THE S O M APPROVED ON 24.05.2011.	NO BH HAS BEEN DRILLED IN THE LEASE AREA. PROVED RESERVE HAS ESTIMATED BASED ON THE ACTUAL THICKNESS OF THE ORE BODY AS ALREADY EXPOSED IN QUARRY FACES.	NO MINING OPERATION SINCE 1993 AS REPORTED BY THE REPRESENTATIVE OF THE LESSEE. SUBSEQUENTLY THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	THERE WERE 11 NIL QUARRIES IN THE LEASE . BUT PROPOSAL FOR DEVELOPMENT IN 3 QUARRIES ONLY NAMELY QUARRY-1, QUARRY-4 AND QUARRY-7 IN THE SCHEME PERIOD , AS PER S O M APPROVED ON 24.05.2011 FOR THE PERIOD 2011-12 TO 2015-16.	NO MINING OPERATION SINCE 1993.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	QUARRY 1,4 & 7 NIL WERE PROPOSED NO WORK SINCE 1993 FOR DEVELOPMENT IN THE SCHEME PERIOD.	THE STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED01.05.2015.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 (QUARRY -1, NIL 2 & 3)		MINING OPERATION HAS BEEN DISCONTINUED SINCE 1993 AS REPORTED BY THE LESSEE. SUBSEQUENTLY THE STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.

3b	Quantity of ROM mineral production proposed	PROPOSAL WAS AS FOLLOWS : IRON ORE :2011-12: 130184 CUM, 2012-13: 131120 CUM, 2013-14: 132072 CUM, 2014-15: 135020 CUM, 2015-16 : 135062 CUM. MANGANESE: 2011-12: 111399 CUM, 2012-13: 111403 MT, 2013-14: 111439 CUM, 2014-15: 111481 CUM, 2015-16: 111561 MT		
3c	Recovery of sailable/usable mineral from ROM production	PROPOSAL OF SALEABLE MINERAL FROM ROM PRODUCTION AS PER S O M APPROVED ON 24.05.2011. IRON : 2011-12: 195276 MT, 2012-13: 196684 MT, 2013-14: 198108 MT, 2014-15: 202530 MT, 2015-16: 202593 MT MANGANESE: 2011-12: 69624 MT, 2012-13: 69627 MT, 2013-14: 69627 MT, 2014-15: 69676 MT, 2015-16: 69726 MT	NIL	NO MINING OPERATION SINCE 1993

3o	Total area put in use under different heads at the end of year	AREA ALREADY PUT IN USED UNDER MINING : 8.698 HA, USED FOR DUMP : 5.620 HA, INFRASTRUCTURE: 0.607 HA, OCCUPIED BY ROAD: 1.539 HA TOTAL: 16.464 HA	NO MINING OPERATION SINCE 1993.
3q	General remarks of inspecting officers on method of mining etc.	OPENCAST OTHER THAN FULLY MECHANISED METHOD OF MINING BY DEPLOYING EXCAVATOR , JCB LOADER, JACK HAMMER, COMPRESSOR, TIPPER. 3 NOS OF QUARRIES PROPOSED TO BE WORKED, ONE IN IRON AND TWO IN MANGANESE. HARD ROCK MASS PROPOSED TO BE LOOSENED BY DRILLING & BLASTING. DRILLING OF BLAST HOLES PROPOSED TO BE DONE BY WAGON DRILL & JACK HAMMER.DUMPERS PROPOSED TO BE DEPLOYED FOR TRANSPORTATION OF IRON ORE . EXCAVATION & LOADING FOR MANGANESE ORE PROPOSE TO BE DONE MANUALLY.	NO MINING OPERATION SINCE 1993 AS REPORTED BY THE REPRESENTATIVE OF LESSEE. SUBSEQUENTLY STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	SEPARATE DUMPING OF OB / WASTE	NIL	NO MINING OPERATION SINCE 1993
4c	Number of dumps within lease area and outside of lease area	ONE DUMP WITHIN LEASE AREA AND NO DUMP OUTSIDE LEASE	NIL	
4k	Specific comments of inspecting officer on waste dump management	295575 CUM WASTE FROM IRON ORE ZONE AND 388516 CUM WASTE FROM MN ZONE PROPOSE TO BE GENERATED DURONG 2011-12 TO 2015-16 AS PER S O M APPROVED ON 24.05.2011. APPROX 0.941 HA ADDITIONAL LAND WILL INVOLVE.	NIL HOWEVER ALREADY 5.620 HA LAND HAS BEEN BROKEN DUE TO WASTE DUMPING.	NO MINING OPERATION SINCE 1993. SUBSEQUENTLY STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.

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	NO MINING OPERATION SINCE 1993.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO PROPOSAL ON BACKFILLING AS ORE IS NOT EXHAUSTED	NIL	NO MINING OPERATION SINCE 1993

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	AS THE MINE IS NOT IN OPERATION SINCE 1993, THE PROPSAL WAS NOT CARRIED OUT	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.
6e	Cumulative no .of plants	1000 NO OF PLANTS TO BE PLANTED OVER AN AREA 0.495 HA DURING 2011-12 TO 2015-16	NIL	NO MINING OPERATION SINCE 1993.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	RETAINING WALL, GARLAND DRAIN PROPOSE TO BE CONSTRUCTED ALONG THE TOE OF THE DUMP . 1000 NO OF SAPLINGS TO BE PLANTEDE OVER 0.495 HA ETC PROPOSED IN THE APPROVED S O M.	NIL NO MINING OPERATION SINCE 1993.	STATE GOVT DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	PROPOSED IN THE S O M ALLOVED ON 24.05.2011.	NIL	NO MINING OPERATION SINCE 1993

7d	Any beneficiation process at mines .	THE IRO ORE PROPOSED TO BE SIZED BY EMPLOYING M, ANUAL LABOURERS FOR SEGREGATING THE GANGUE MATERIALS FROM THE ORE. ORE RAISED FROM THE MINE PROPOSED TO BE SIZED, SORTING / SCREEINING , BLENDING	NIL NO MINING OPERATION SINCE 1993.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	THE SUB-GRADE MATERIAL PROPOSED TO BE GENERATED SHALL BE BLENDED WITH HIGH GRADE ORE TO MAKE IT MARKETABLE. REGARDING BENEFICIATION , ORE RAISED FROM THE MINE REQUIRE SIZING, DRESSING, SORTING / SCREENING, BLENDING ETC	NIL NO MINING OPERATION SINCE 1993.	STATE GOVT. DECLARED THE LEASE HAS STOOD LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO PROPOSAL ON TOP SOIL	NIL	NO MINING OPERATION SINCE 1993.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	SEPARATE DUMP FOR OB / WASTE,	NIL ALREADY 5.620 HA OF LAND HAS BEEN BROKEN DUE TO WASTE DUMP.	NO MINING OPERATION SINCE 1993.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	TOTAL LEASE AREA 101.171 HA IS UNDER FOREST. 1000 SAPLINGS PROPOSE TO BE PLANTED DURING 2011-12 TO 2015-16 OVER AN AREA 0.495 HA	NIL	NO MINING OPERATION 1993.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			TOTAL LEASE AREA IS UNDER FOREST, MINING OPERATION HAS NOT BEEN CARRIED OUT SINCE 1993. SO AESTHETIC BEAUTY IN AND AROUND THE MINES AREA HAS BEEN MAINTAINED.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	NOT SUBMITTED.	SCHEME OF MINING APPROVED ON 24.05.2011 FOR THE PERIOD 2011-12 TO 2015-16 OVER AN AREA 101.171 HA COVERING 5 BLOCKS NAMELY A, B1, B2, B3 & C. THE FOUR BLOCKS B1, B2, B3 & C OVER AN AREA 0.607 HA, 7.689HA, 1.012 HA & 2.002 HA RESPECTIVELY HAVE ALREADY BEEN LAPSED AND TREATED AS INFRACTUOUS AND DEVOID OF ANY MERIT FOR CONSIDERATION BY GOVT. OF ODISHA DATED 09.07.2013 AND THE REMAINING BLOCK A OVER AN AREA 89.961 HA DECLARED AS LAPSED w e f 01.09.1997 VIDE LETTER DATED 01.05.2015.	

9g	Scrutiny of	ANNUAL RETURN	NO MINING OPERATION	STATE GOVT
	Annual return on	NOT RECEIVED	SINCE 1993.	DECLARED THE LEASE
	sale value, Ex.			HAS STOOD LAPSED
	Mine price and			w e f. 01.09.1997
	production cost			VIDE LETTER DATED
				01.05.2015.

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
Rule 13(1)	22/08/2014	10/03/2016			

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines