

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/KJR/MCDR-79/BBS

Mine code : 300RI08095

- (i) Name of the Inspecting : **DEY**) **NARENDRA MOHAN DEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : **SHRI A K BAHERA, MINES MANAGER**
Official with
Designation
- (iv) Date of Inspection : 07/06/2015
- (v) Prev.inspection date : 08/08/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BALAGUNDA (326.5)**
- (b) **Registration NO.** : **IBM /8412 /2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : ORISSA
District : KEONJHAR
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 91 6582 255310
E-mail : arjunladha@sify.com
Phone : 91 9238113666
- (f) Police Station : BARBIL
- (g) First opening date : 17/05/2005
- (h) Weekly day of rest : SUN
2. Address for : AT/PO: HOROMOTTO
correspondance : TALUK: BARBIL
DIST KEONJHAR, ORISSA
3. (a) Lease Number : ORI0047
- (b) Lease area : 326.5
- (c) Period of lease : 30
- (d) Date of Expiry : 04/11/1996
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : M/S ARJUN LADHA
 AT & PO: CHAIBASA SINGHBHUM
 WEST JHARKHAND SINGHBHUM
 (WEST) JHARKHAND
 Phone:
 FAX :

Owner : M/S ARJUN LADHA
 AT & PO: CHAIBASA SINGHBHUM
 WEST JHARKHAND SINGHBHUM
 (WEST) JHARKHAND
 Phone:
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	22/06/2007
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	04/07/2007
	:	Modif.approved Mining Scheme	12/09/2008
	:	Mining Scheme rule 12 MCDR1988	21/06/2013
	:	Modif.approved Mining Scheme	19/12/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	DURING 2014-15 : 67 NO OF BH	NIL	MINING OPERATION HAS BEEN STOPPED SINCE 15.02.2011 BY STATE GOVT. FOR WANT OF STATUTORY CLEARANCES.
1b	Exploration over lease area for geological axis 1 or 2	2014-15: 67 NO OF BH 2015-16: 68 NO OF BH 2016-17 (UPTO 04.11.2016) : 66 NO OF BH	DURING LAST SCHEME PERIOD ONLY 4 DTH BH WERE DRILLED. THERE WERE 26 NO OF QUARRIES WERE EXCAVATED , TAKING INTO CONSIDERATION OF THIS EXPLORATION FROM QUARRIES AND DTH BH , THE RESERVES UNDER G1 & G2 CATAGORY WAS INCORPORATED.	NO ADDITIONAL EXPLORATION HAS BEEN CARRIED OUT DUE TO CLOSURE OF MINING OPERATION FOR THE WANT OF STATUTORY CLEARANCES. THE MINING OPERATION IS CLOSED SINCE 31.03.2009 AS PER THE INSTRUCTION OF STATE GOVT. SHOWING ILLEGAL MINING. SUBSEQUENTLY MINING OPERATION HAS BEEN STOPPED SINCE 15.02.2011 BY STATE GOVT.FOR WANT OF STATUTORY CLEARANCES.
1d	Balance area to be explored to bring Geological axis in 1 or 2	2014-15: 67 NO BH 2015-16: 68 NO BH 2016-17 (UPTO 04.11.2016) 66 NO BH	NIL	MINING OPERATION HAS BEEN STOPPED SINCE 15.02.2011 BY STATE GOVT FOR WANT OF STATUTORY VLEARANCES.

1e	Balance reserve as on 01/04/20	AS PER MODIFICATION OF APPROVED SCHEME OF MINING APPROVED ON 19.12.2014 , THE RESERVE ESTIMATED AS PER UNFC IS AS FOLLOWS : IRON ORE : 111 : NIL, 121 : 1352862 MT , 122 : 837270 MT, 221 : 988659 MT, 222 : 2486106 MT (+45% FE). 111 : NIL, 121 : 892889 MT, 122 : 552598 MT, 221: 668981 MT, 222 : 1640830 MT (+ 55% FE). 221: 796117 MT , 222 : 1129948 MT (45 TO 55% FE).MANGANESE ORE : 111 : NIL, 121: 448455 MT, 122: 248430 MT, 221: 112875 MT, 222 : 603540 MT(+10% MN). 111: NIL, 121: 358764	MT, 122: 198744 MT, 221: 90300 MT, 222: 4828323 MT (+ 25% MN), 221: 201957 MT, 222: 340788 MT (10 TO 25% MN)
1f	General remarks of inspecting officers on geology, exploration etc	THERE WAS NO EXPLORATION IN THE FORM OF BH WAS CARRIED OUT UPTO 2008- 09, ONLY SOME PITS WERE EXCAVATED WHICH WAS SUBSEQUENTLY CONVERTED INTO QUARRIES. THERE WERE 26 NOS OF QUARRIES WERE EXCAVATED. DURING LAST SCHEME PERIOD ONLY 4 NOS BH DTH WERE DRILLED. TAKING INTO CONSIDERATION OF THIS EXPLORATION FROM QUARRIES AND BH THE RESERVES UNDER G1 & G2 WAS INCORPORATED. A TOTAL 201 BH HAVE BEEN PROPOSED DURING 2014-15 TO 2016-17(04.11.2016) IN THE PRESENT MODIFICATION APPROVED ON 19.12.2014.	THE MINING OPERATION WAS CLOSED FROM 31.03.2009 BY STATE GOVT. SHOWING ILLEGAL MINING. SUBSEQUENTLY MINING OPERATION WAS STOPPED SINCE 15.02.2011 BY STATE GOVT.DUE TO WANT OF STATUTORY CLEARANCES. STATE GOVT.HAS ALLOWED TO LIFT THE RAISED MINERALS ONLY FROM THE MINE VIDE THEIR LETTER DATED 13.12.2012 AS PER ORDER OF HON'BLE SUPREME COURT OF INDIA .

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

2a	Location of development w.r.t.lease area	THE WORKING OF DURING 2014-15 NO WORK IRON AND MANGANESE ORE WAS CONFINED IN THE NORTHERN, WESTERN AND EASTERN FLANK OF THE LEASE AREA.		NO MINING OPERATION SINCE LAST 6 YEARS DUE TO STATUTORY CLEARANCES.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	THERE ARE 12 SMALL BLOCKS AND 31 NOS SMALL AND MEDIUM SIZE MANGANESE QUARRY. PRESENTLY FOR THE PRODUCTION OF MN ORE 9 NOS OF QUARRIES HAVE BEEN SELECTED , DURING MINING SMALL QUARRIES HAVE BEEN PROPOSED TO BE MERGED TOGETHER A BIG QUARRY	NO WORK	MINING OPERATION HAS BEEN STOPPED SINCE LAST 6 YEARS. SO DEVELOPMENT OF PIT ETC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	THE EXISTING SMALL PITS / QUARRIES WILL BE MERGED TOGETHER TO FORM A BIG QUARRY.	NO WORK.	MINING OPERATION HAS BEEN STOPPED SINCE LAST 6 YEARS.
3b	Quantity of ROM mineral production proposed	2014-15: 881400 MT (IRON) AND 467600 MT (MANGANESE)	NIL	NO MINING OPERATION SINCE LAST 6 YEARS. NO PRODUCTION AFTER 2009-10.

3c	Recovery of sailable/usable mineral from ROM production	IRON ORE : NIL SALEABLE: 366486 MT (+55% FE) SUB- GRADE: 188796 MT (45 TO 55% FE) MANGANESE : SALEABLE: 112224 MT (25-35%MN), SUB-GRADE: 28056 MT (10- 25% MN)	NO WORK SINCE LAST 6 YEARS.
3m	Total area covered under excavation/pits	43.278 HA	
3o	Total area put in use under different heads at the end of year	UNDER OPENCAST WORKING : 43.278 HA, USED FOR WASTE DISPOSAL: 5.18 HA, OCCUPIED BY ROAD & BUILDING : 1.044 HA, USED FOR OTHER PURPOSES : 1.06 HA.	

3p	Production of ROM mineral during the last five year period as applicable	2013-14 : 431792 MT (IRON) , 134610 MT (MN) 2014-15: 881400 MT (IRON) , 467600 MT (MN) 2015-16: 1137000 MT (IRON), 501200 MT (MN) 2016-17: 1455600 MT (IRON), 549500 MT (MN) UPTO 04.11.2016. AS PER MODIFICATION OF APPROVED VScheme OF MINING APPROVED ON 19.12.2014. FOR THE PERIOD 2014-15 TO 04.11.2016.	2013-14: NIL 2014-15: NIL 2015-16: NIL	NO MINING OPERATION SINCE LAST 6 YEARS DUE TO WANT OF STATUTORY CLEARANCES. NO PRODUCTION AFTER 2009-10.
----	--	---	--	--

3q	General remarks of inspecting officers on method of mining etc.	METHOD OF MINING OTHER THAN FULLY MECHANISED WITH DEPLOYMENT OF MACHINES LIKE JACK HAMMER, HYDRAULIC EXCAVATOR, DUMPER, TIPPER FOLLOWED BY DRILLING , BLASTING , EXCAVATION, TRANSPORTATION , SORTING, SIZING, BLENDING AND DESPATCH. MANGANESE PRODUCTION PROPOSED MANUALLY.	NO WORK	PRODUCTION NOT REPORTED AFTER 2009-10. MINING OPERATION IS CLOSED SINCE 31.03.2009 BY THE STATE GOVT. SHOWING ILLEGAL MINING. SUBSEQUENTLY MINING OPERATION HAS BEEN STOPPED SINCE 15.02.2011 BY STATE GOVT DUE TO WANT OF STATUTORY CLEARANCES. STATE GOVT. HAS ALLOWED TO LIFT THE RAISED MINERALS ONLY FROM THE MINE VIDE THEIR LETTER DATED 13.12.2012 AS PER ORDER OF HON'BLE SUPREME COURT OF INDIA.
----	---	---	---------	--

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	ALREADY SEPARATE DUMPOF TOP SOIL AND OB	NO MINING OPERATION SINCE LAST 6 YEARS.
4c	Number of dumps within lease area and outside of lease area	ALREADY EXISTING 9 NOS DUMP WITH IN LEASE AREA. NO DUMP OUT SIDE OF LEASE AREA.	NO WORK	
4g	Number of dumps established.		ALREADY EXISTING 9 NUMBER DUMPS , NO WORK DURING THIS YEAR.	

4i	Length of Retaining wall or garland drain all along dumps	RETAINING WALL : 180 M X 1.5 M X 1 M GARLAND DRAIN 180 M X 1.5 M X 1.0 M	NO WORK	NO MINING OPERATION SINCE LAST 6 YEARS DUE TO STATUTORY CLEARANCES.
4k	Specific comments of inspecting officer on waste dump management	IN THE LEASE AREA THERE ARE 9 NOS OF DUMPS HAVING 49066 CUM OF WASTE ARE WITH IN THE EARMARKED FOR DEVELOPMENT OF ENSUING SCHEME PERIOD, WHICH WILL BE REHANDLED IN THE SCHEME PERIOD.	NO WORK	NO MINING OPERATION SINCE LAST 6 YEARS DUE TO WANT OF STATUTORY CLEARANCES.

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	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NO PROPOSAL ON BACKFILLING AND RECLAMATION	NIL	NO MINING OPERATION SINCE LAST 6 YEARS 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).	YES	NO MINING OPERATION SINCE LAST 6 YEARS. DUE TO WANT OF STATUTORY CLEARANCES, SO NO PMCP WORK CARRIED OUT.	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	AFFORESTATION PROGRAMME HAS BEEN PROPOSED OVER AN AREA 1.25 HA @ 2000 NUMBER PER HECTARE . CONSTRUCTION OF RETAINING WALL AND GARLAND DRAIN 500 M X 1 M X 2 M	NO WORK	NO MINING OPERATION SINCE LAST 6 YEARS DUE TO WANT OF STATUTORY NELEARANCES .
----	---	---	---------	---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2014-15 : IRON : ROM : 881400 MT, GRADE - WISE SORTING : 366486 MT (+ 55% FE), 188796 MT (45 TOI 55 % FE) MANGANESE: ROM : 467600 MT, GRADE-WISE SORTNG : 112224 (25 TO 35% MN, 28056 MT (10-25% MN)	NIL	NO WORK SINCE
7d	Any beneficiation process at mines .	THERE AREA CRUSHING AND SCREENING UNITS EXIST WITH THE MINE FOR REQUIRED SIZE AND GRADE OF THE ORE AS MN ORE IS SOFT IN NATURE THE SORTING AND SIZING OF ORE IS DONE BY MANUAL LABOURS	NO WORK	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	THE SUB-GRADE IRON ORE BETWEEN 45% FE TO 55% FE HAS BEEN CONSIDERED 34% OF THE RECOVERY FROM THE MINEABLE ARE. FOR MN ORE HAVING 10% TO LESS THAN 25% MN CONTENT HAS BEEN CONSIDERED AS SUB GRADE . THESE SUB-GRADE ORE STACKED SEPARATELY EARMARKED PLACE FOR FURTHER INDUSTRIAL USE AND FUTURE MARKET DEMAND.	NO WORK	NO MINING OPERATION SINCE LAST 6 YEARS , SO NO PRODUCTION ETC SINCE THAN
----	--	---	---------	--

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO TOP SOIL COVER BECAUSE OF ROCK EXPOSURE & LATERITE CAPPINGS. HENCE NO SPECIAL PROPOSAL FOR REMOVAL AND UTILISATION OF TOP SOIL.	NIL	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	OUT OF THE TOTAL LEASE AREA 326.50 HA, 322.12 HA BELONG TO FOREST LAND AND REST 4.38 HA IS NON-FOREST LAND .	DUE TO FOREST COVER THE AESTHETIC BEAUTY IN AND AROUND THE MINE HAS BEEN MAINTAINED.
----	--	--	--

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED MONTHLY RETURNS AND ANNUAL RETURN	I HAVE INSPECTED THE MINE ON 07.06.2015. ANNUAL RETURN FOR THE YEAR 2014-15 HAS BEEN RECEIVED.	NO PRODUCTION.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		SHRI A K BAHERA, MINES MANAGER CUM MINING ENGINEER HAVE BEEN APPOINTED.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		AREA UNDER PITS : 43.278 HA, USED FOR WASTE DISPOSAL : 5.18 HA, OCCUPIED BY ROAD AND BUILDING ETC : 1.044 HA; USED FOR OTHER PURPOSES : 1.06 HA	
9d	Scrutiny of Annual return on afforestation		NIL	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		DURING THIS YEAR : NIL CUMULATIVE 566151.77 MT	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM STOCK : NIL GRADE-WISE STOCK : 58% TO BELOW 60% FE : 35462.370 MT (LUMP) 65% FE AND ABOVE : 150.00 MT (LUMP) BELOW 55% FE : 99320.402 MT (FINES).	NO MINING OPERATION SINCE LAST 6 YEARS DUE TO WANT OF STATUTORY CLEARANCES.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NO PRODUCTION DURING 2014-15 PRODUCTION COST : NIL	
9h	Scrutiny of Annual return on fixed assets	Rs. 215000.00/-	
9k	Scrutiny of Annual return on mining machineries	NIL	

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