

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON-MN/SNG/MCDR-21/BBS

Mine code : 30ORI08091

- (i) Name of the Inspecting : **SRM**) **SHRI SUDIP RANJAN MAZUMDAR**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Sri D Bhatta, Lesse's representative
Official with
Designation
- (iv) Date of Inspection : 30/03/2018
- (v) Prev.inspection date : 19/07/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ORAGHAT**
- (b) **Registration NO.** : **IBM/533/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : ORAGHAT
- Taluka : BONAL
- Post office :
- Pin Code : 770048
- FAX No. : NA
- E-mail : sayedabdul.halim@gmail.com
- Phone : NA
- (f) Police Station : koira
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE:ORAGHAT, P.O. MALDA
correspondance DIST: SUNDARGARH
ORISSA
3. (a) Lease Number : ORI0661
- (b) Lease area : 25.85
- (c) Period of lease : 20
- (d) Date of Expiry : 05/04/2018
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : S.A.HALIM
 S.A.HALIM ORAGHAT IRON & MN
 MINE, SUNDERGARH DIST.
 ORISSA. SUNDARGARH ORISSA
 Phone:
 FAX :

Owner : S.A.HALIM
 BASTI ROAD, BARBIL KEONJHAR
 KEONJHAR ORISSA
 Phone: 06767-275495
 FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14/03/2006
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29/12/2008
		Modif.approved Mining Scheme	07/03/2011
		Mining Scheme rule 12 MCDR1988	24/01/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2014-15: 9 Nos; 2015-16: 10 Nos 2016-17: Nil	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
1b	Exploration over lease area for geological axis 1 or 2	Not Proposed	Nil	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	Nil	Nil

1e	Balance reserve as on 01/04/20	As per the scheme of mining approved on 24.01.2014, the reserve and resources estimated under UNFC codes are as follows: Iron Ore: Reserve: (111) category- 584592 tonnes, (122) category: 225830 tonnes Iron Ore: Resources: (221) category: 532789 tonnes, (222) category: 358690 tonnes; 333 category: 359096 tonnes Manganese ore resources: 221 category: 15900 tonnes, 222 category: 13612 tonnes and 333 category: 13530 tonnes	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances. The lessee has not submitted the annual return for 2016-17.	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
1f	General remarks of inspecting officers on geology, exploration etc	Not Proposed	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Existing Quarry-1 will be developed with max four direction.	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not Specified	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
2c	Stripping ratio or ore to OB ratio	Proposal for the year 2016-17: 1:1.08 (MT/m3)	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
2d	Quantity of topsoil generation in m3	Not proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

2e	Quantity of overburden generation in m3	Proposal for total volume of waste generation for the year 2016-17 was 10911 cum	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not Proposed	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

3b	Quantity of ROM mineral production proposed	Proposal for ROM production for the year 2016-17 was 14367 cum	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
3c	Recovery of sailable/usable mineral from ROM production	Production of saleable iron ore (in MT) for the year 2016-17 was 30171 MT	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
3d	Quantity of mineral reject generation	Proposal for mineral reject generation for the year 2016-17 was 4310 cum	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
3e	Grade of mineral rejects generation and threshold value declared.	45-58% Fe	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
3g	Grade of sub grade mineral generation	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
3h	Manual / Mechanised method adopted for segregating from ROM	Semi-mechanised	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

3n	Ore to OB ratio for the pit/mine during the year.	1:1.08 MT/cum for the year 2016-17	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non- working.
3p	Production of ROM mineral during the last five year period as applicable	2013-14: 8840 cum 2014-15: 22260 cum 2015-16: 23450 cum 2016-17: 14367 cum	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non- working.
3q	General remarks of inspecting officers on method of mining etc.	Not Proposed	No exploitation has been done as per proposal as mine is in non-working condition since 01.04.2013.	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non- working.

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 proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
4b	Location of topsoil, OB and mineral reject dumps	The waste generated from the quarry shall be accomodated in dump-A	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
4c	Number of dumps within lease area and outside of lease area	One	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

4g	Number of dumps established.	One	Previous dump exist	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
4k	Specific comments of inspecting officer on waste dump management	Not Proposed	Proposal of waste dumping has not been carried out as the mine is in non-working condition since 01.04.2013	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

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.	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

5b	Area under backfilling of mined out area	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not Proposed	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not proposed	Annual return on PMCP for the year 2016-17 has not been submitted by the lessee.	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6c	afforestation done (ha).	1050 sq m area in 2016-17 in safety zone	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6d	No. of saplings planted during the year	182 no sof saplings to be planted in safety zone during the year 2016-17	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

6e	Cumulative no .of plants	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6f	Any other method of rehabilitation	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Afforestation (green belt): 182 nos of saplings	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1050 sq m area in 2016-17	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Afforestation	Nil	The mining operation in the lease was stopped by DDM Koira Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not Proposed	The proposal on PMCP has not been carried out as the mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.s.
----	---	--------------	--	---

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The ore recovered during excavation constitutes about 70% iron ore.These recovered quantities after manual sorting are fed to screening plant for output in the size range of 5mm to 40mm	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual and Mechanical	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

7c	Different grade of mineral sorted out at mines.	Sized ore and fines ore: Fe% 58 to 65%, subgrade: >45% to <58% Fe	Nil	The mining operation in the lease was stopped by DDM Koiria Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
7d	Any beneficiation process at mines .	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koiria Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not Proposed	Proposal could not be implemented as the mine is in non-working condition since 01.04.2013	The mining operation in the lease was stopped by DDM Koiria Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

Environment :

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

8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dumping was proposed over Dump-A	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Proposed	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
8g	Survival rate	Not Propesd	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
8h	Water sprinkling on roads to control airborne dust	It was proposed to use water sprinkler to check the dust pollution	Nil	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not proposed	Aesthetic beauty is maintained naturally.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
----	--	--------------	---	---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual and monthly returns for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
9d	Scrutiny of Annual return on afforestation	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
9h	Scrutiny of Annual return on fixed assets	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.
9k	Scrutiny of Annual return on mining machineries	Annual return for 2016-17 has not been submitted	The mining operation in the lease was stopped w.e.f 01.04.2013 due to want to statutory clearances.	The mining operation in the lease was stopped by DDM Koirra Circle w.e.f 01.04.2013 untill further orders due to want to statutory clearances. The mine is non-working.

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 :

(**SHRI SUDIP RANJAN MAZUMDAR**)

Indian Bureau of Mines