

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/MN/KJR/MCDR-5/BBS

Mine code : 40ORI08010

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Hemnat Kumar Behera, Manager
Official with
Designation
- (iv) Date of Inspection : 08/10/2017
- (v) Prev.inspection date : 21/02/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DUBNA**
- (b) **Registration NO.** : **IBM/4269/2011**
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : DUBNA
- Taluka : BARBIL
- Post office : DUBNA
- Pin Code :
- FAX No. : 2391629
- E-mail : info@odishamining.com
- Phone : 2393431
- (f) Police Station : Bamebari
- (g) First opening date : 01/01/1972
- (h) Weekly day of rest : MON
2. Address for : DUBNA MN MINES
correspondance VILL/PO-DUBNA
DIST-KEONJHAR
3. (a) Lease Number : ORI0181
- (b) Lease area : 1135.42
- (c) Period of lease : 20
- (d) Date of Expiry : 07/09/1991
4. Mineral worked : MANGANESE ORE Main
IRON ORE Associated

5. Name and Address of the

Lessee : M/S Orissa Mining Corporation Ltd
P.O.NO.34 OMC House
Bhubaneswar KHURDA ORISSA
Phone:
FAX :

Owner : m/s ORISSA MINING CORPORATION LTD
OMC HOUSE P.B.No.34
BHUBNESHWAR ORISSA
Phone: 2393431
FAX : 2391629

Agent : P.K.BHATTACHARYA
Sr. MANAGER, M/S OMC LTD
BARBIL DIST-KEONJHAR
KEONJHAR ORISSA
Phone: 06767-75253
FAX :

Manager

Name : SHRI HEMANTA KUMAR BEHERA
Qualification : Diploma (Mining)
Appointment/ : 20/05/2016
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	15/04/2004
Plan/Scheme of Mining		FMCP under 23C(1)	22/05/2007
		Renewal under rule 24 MCR1960	01/03/2011

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Valid Proposal as the last approved document was valid up to the year 2014-15.	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
1b	Exploration over lease area for geological axis 1 or 2	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
1e	Balance reserve as on 01/04/20	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
1f	General remarks of inspecting officers on geology, exploration etc	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
2c	Stripping ratio or ore to OB ratio	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
2d	Quantity of topsoil generation in m3	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
2e	Quantity of overburden generation in m3	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No Valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3b	Quantity of ROM mineral production proposed	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3c	Recovery of sailable/usable mineral from ROM production	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

3d	Quantity of mineral reject generation	No Valid Proposal as the last approved document was valid up to the year 2014-15.	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3e	Grade of mineral rejects generation and threshold value declared.	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3f	Quantity of sub grade mineral generation.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3g	Grade of sub grade mineral generation	No valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3h	Manual / Mechanised method adopted for segregating from ROM	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3j	Provision of drilling and blasting in mineral benches	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3k	Provision of mining machineries in mineral benches	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3m	Total area covered under excavation/pits	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3n	Ore to OB ratio for the pit/mine during the year.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3o	Total area put in use under different heads at the end of year	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3p	Production of ROM mineral during the last five year period as applicable	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
3q	General remarks of inspecting officers on method of mining etc.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4b	Location of topsoil, OB and mineral reject dumps	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

4c	Number of dumps within lease area and outside of lease area	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4e	Number of active and alive dumps.	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4f	Number of dead dumps.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4g	Number of dumps established.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4i	Length of Retaining wall or garland drain all along dumps	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4j	Number of settling ponds	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
4k	Specific comments of inspecting officer on waste dump management	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
5b	Area under backfilling of mined out area	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
5d	Total area fully reclaimed and rehabilitated	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6b	Area available for rehabilitation (ha) .	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6c	afforestation done (ha).	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

6d	No. of saplings planted during the year	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6e	Cumulative no .of plants	No valid Proposal	3200	Mine is not in operation due to Want of Forest and Environment Clearance.
6f	Any other method of rehabilitation	No Valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6g	Cost incurred on watch and care during the year	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No Valid Porposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
7c	Different grade of mineral sorted out at mines.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
7d	Any beneficiation process at mines .	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8b	Concurrent use or storage of topsoil	No valid proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8g	Survival rate	No valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8h	Water sprinkling on roads to control airborne dust	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns submitted for FY 2016-17	Monthly and Annual Returns Submitted for FY 2016-17	Mine is not in operation due to Want of Forest and Environment Clearance.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished	Diploma Mining Engineer:1	Mine is not in operation due to Want of Forest and Environment Clearance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	No Valid Proposal	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Iron ore ROM stock: 57536 tonnes Manganese ore Stock: 2564 tonnes	Iron ore ROM stock: 57536 tonnes Manganese ore Stock: 2564 tonnes	Mine is not in operation due to Want of Forest and Environment Clearance.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Mine is not in operation due to Want of Forest and Environment Clearance.
9h	Scrutiny of Annual return on fixed assets	Fixed assests: Rs 7363037	Fixed assests: Rs 7363037	Mine is not in operation due to Want of Forest and Environment Clearance.
9k	Scrutiny of Annual return on mining machineries	Explosive van:1	Explsoive van:1	Mine is not in operation due to Want of Forest and Environment Clearance.

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

Date :

(RAMKISHAN R)

Indian Bureau of Mines