

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-8/BBS

Mine code : 30ORI08089

- (i) Name of the Inspecting : **AKP**) **ASHOK KUMAR PANY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Ganeswar Bhuyan, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 03/02/2022
- (v) Prev.inspection date : 09/07/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BANSPANI IRON ORE MINES**
- (b) **Registration NO.** : **IBM/4269/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : KEONJHAR
- Village : BANSPANI
- Taluka : BARBIL
- Post office : BANSPANI
- Pin Code : 758034
- FAX No. : 06767275257
- E-mail : manager.banspani@gmail.com
- Phone : 06767214023
- (f) Police Station : BARBIL
- (g) First opening date : 23/04/1965
- (h) Weekly day of rest : TUE
2. Address for : VILL: BANSPANI
correspondance TALUK: BARBIL
DIST: KEONJHAR
3. (a) Lease Number : ORI0083
- (b) Lease area : 380.4
- (c) Period of lease : ~~30~~ 70 year
- (d) Date of Expiry : ~~20.05.2036~~ 20.05.2036
4. Mineral worked : IRON ORE Main

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 : Abni Kanta Pradhan
OMC office Barbil Dist-
Keonjhar BHUBNESHWAR ORISSA
Phone: 0674-2377400
FAX : 0674-2580145

Mining Engineer

Name : Shri Ganeswar Bhuyan, Full Time
Qualification : B E Mining
Appointment/ : 20/12/2021
Termination date

Geologist

Name : Sri Biswajit Basak, Full Time
Qualification : M Sc Geology
Appointment/ : 15/12/2021
Termination date

Manager

Name : Shri Ganeswar Bhuyan
Qualification : B E Mining
Appointment/ : 20/12/2021
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06/10/2006
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	11/11/2008
	:	MP modif under 17(3) MCR 2016	09/08/2017
	:	MP review under 17(1) MCR 2016	22/11/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal during the year 2019-20.	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal during the year 2020-21	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	240.248 ha to be explored into G1 or G2 level	Nil	
1f	General remarks of inspecting officers on geology, exploration etc			The mine was non-working since 30.06.2004 due to want of forest clearance.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	KMC Quarry- 2429690N - 2430040N; 336385E- 336800E	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for topsoil, overburden and minerals proposed.	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
2c	Stripping ratio or ore to OB ratio	0.64:1	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.

2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	2020-21-518293 Cum	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine was non-working since 30.06.2004 due to want of forest clearance.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit i.e. KMC Quarry	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
3b	Quantity of ROM mineral production proposed	2020-21-992514 tonne	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
3c	Recovery of sailable/usable mineral from ROM production	2020-21 - 992514 tonne	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Proposed	Nil	The mine was non- working since 30.06.2004 due to want of forest clearance.
3k	Provision of mining machineries in mineral benches	Excavator and Dumper combination.	Nil	The mine was non- working since 30.06.2004 due to want of forest clearance.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	
3m	Total area covered under excavation/pits	14.618 ha	Nil	The mine was non- working since 30.06.2004 due to want of forest clearance.
3n	Ore to OB ratio for the pit/mine during the year.	0.64:1	Nil	The mine was non- working since 30.06.2004 due to want of forest clearance.

3o	Total area put in use under different heads at the end of year	Excavated Area Nil 48.117 Dumps 0.319 Infrastructure (Weigh Bridge, Rest Shelter, Office 1.892 Roads 4.395 Railway Corridor 68.978		The mine was non-working since 30.06.2004 due to want of forest clearance.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - Nil 207900 tonne 2018-19- 275640 tonne 2019-20- 991041 tonne 2020-21- 992514 tonne		The mine was non-working since 30.06.2004 due to want of forest clearance.
3q	General remarks of inspecting officers on method of mining etc.			The mine was non-working since 30.06.2004 due to want of forest clearance.

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 proposed.	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
4b	Location of topsoil, OB and mineral reject dumps	Location of OB Dump- 2430053N - 2430300 N & 336500 E - 336800 E	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
4c	Number of dumps within lease area and outside of lease area	Two dumps within lease area.	Two dumps within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	

4e	Number of active and alive dumps.	Two dump	Two dump	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Two small dumps present in the lease area and the same naturally stabilised.	The mine was non-working since 30.06.2004 due to want of forest clearance.
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			The mine was non-working since 30.06.2004 due to want of forest clearance.

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.	Nil	Nil	No area matured for back filling.
5b	Area under backfilling of mined out area	Nil	Nil	No area matured for back filling
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	No area matured for reclamation/rehabilitation.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	No area matured.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	No area matured for backfilling and reclamation. The mine was non-working since 30.06.2004 due to want of forest clearance.
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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).		PMCP return not submitted.	The mine was non-working since 30.06.2004 due to want of forest clearance.
6b	Area available for rehabilitation (ha) .	Nil	Nil	No area matured for rehabilitation.
6c	afforestation done (ha).	Nil	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
6d	No. of saplings planted during the year	Nil	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	No area matured for backfilling.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	No area matured for reclamation.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	No area matured for reclamation
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	No area matured
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The mine was non-working since 30.06.2004 due to want of forest clearance.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade-wise sorting within the lease area	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
7c	Different grade of mineral sorted out at mines.	45-55% Fe and above 55% Fe	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
7d	Any beneficiation process at mines .	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The mine was non-working since 30.06.2004 due to want of forest clearance.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No generation of top soil proposed during the year.	Nil	
8b	Concurrent use or storage of topsoil	Not proposed as area not matured.	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping of OB and mineral reject proposed.	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Nil	Area not matured for restoration.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	
8g	Survival rate	Nil	Nil	
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mining area is covered by natural vegetation as the mine was non-working since 30.06.2004 due to want of forest clearance.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and Annual Retun submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information on Mining Engineer, Manager and Geologist furnished.	The same are appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under pit/mining- 27.583 ha, Reclaimed area- 0 ha	The area under pit/mining- 27.583 ha, Reclaimed area- 0 ha	
9d	Scrutiny of Annual return on afforestation	No of plantation carried out during the year is nil.	No of plantation carried out during the year is nil.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock is furnished as nil.	ROM stock is nil.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The cost of production is furnished as nil.	The mine was non-working since 30.06.2004 due to want of forest clearance.	

9h	Scrutiny of Annual return on fixed assets	Value of fixed asset is furnished as zero.	NIL	The mine was non-working since 30.06.2004 due to want of forest clearance.
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	The mine was non-working since 30.06.2004 due to want of forest clearance.

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 :

(ASHOK KUMAR PANY)

Indian Bureau of Mines