

## MCDR INSPECTION REPORT

Name of the Mine Raika Iron & Manganese Ore Mine Ore Mine, of Shiv Dutt Sharma, 30ORI08045

Name of the Inspecting Officer : Shri Sanjay Kumar Mahapatra, AME

Name of the accompanying official: Shri B N Samal, Agent .

Date of Inspection: 18.05.2023.

### General Information:-

S. N.	Particulars	Details
1	Name of the Mine	Raika Iron & Manganese Ore Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area (Ha): 26.243 Non-forest land: 9.211 Ha Forest land: 17.032 Ha
3	Mine code	30ORI08045
4	IBM Registration Number under rule 45 of MCDR,	IBM/6295/2011
5	Name of the lessee, Address, phone, email and fax number	Shiv Dutt Sharma Sharma House, Barbil, Keonjhar
6	Village	Raika
7	Taluka/Mandal	Barbil
8	District	Keonjhar
9	Pin code	
10	State	Odisha
11	Post office	Barbil
12	Nearest police station	Barbil
13	Nearest Railway station	Barbil
14	Date of Grant of Mining Lease	01.11.1979
15	Date of Execution	01.11.1979
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	28.10.1998
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Sri Shiv Dutt Sharma Po- Barbil. P. S. - Barbil Dist-Keonjhar Orissa. Telephone no- 06767-275335 sdsharmamines@yahoo.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri B.N. Samal Chakeisiani, Bhubaneswar Telephone no- 8895439369 <a href="mailto:samalbn72@gmail.com">samalbn72@gmail.com</a> Date of appointment :08.11.2022

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mining work was stopped from 30.09.2009. No mines manager employed.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mining work was stopped from 30.09.2009. No Mining Engineer employed. Mine is Non-working due to want of various statutory clearances. Mining Engineer to be employed before opening of the mine.
24	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mining work was stopped from 30.09.2009. No Geologist employed. Mine is Non-working due to want of various statutory clearances. Geologist to be employed before opening of the mine.
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55& carrying out their duties as per rule 56 & 57.	Recruitment will be done after the opening of the mine.
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	The Mining Plan under Rule 24 (A) of MCR, 1960 for the period of 2005-06 to 2009-10 was approved vide letter No. MP/OTF-MECH/28-ORI/BHU/2007-08 on dated 07.03.2008
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	The Mining Scheme under Rule 12 of MCDR, 1988 for the period of 2009-10 to 2013-14 was approved vide letter No. MS/OTF.MECH/25-ORI/BHU/2010-11 on dated 29.07.2010.
28	Mineral(s) granted in lease and proved for mining	Iron Ore & Manganese Ore
29	Method of Mining (Opencast, Underground)	Opencast
30	Category (Fully Mechanized, Others or Manual)	Other Than Fully Mechanized
31	Captive/Non-Captive	Non-Captive

#### Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan	:	No. MP/OTF-MECH/28-ORI/BHU/2007-08 on dated 07.03.2008
b) Letter No. and date of approval of Review of Mining Plan	:	No. MS/OTF.MECH/25-ORI/BHU/2010-11 on dated 29.07.2010
c) Period of mining plan/ mining scheme in force:	:	No proposal as on date. Lease is substituting as on date inspection as per State Government letter.

#### 1. Exploration:

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remarks
1a	Backlog of previous year	Nil	Nil	Mining work was stopped from 30.09.2009
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Mining work was stopped from 30.09.2009

1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Mining work was stopped from 30.09.2009
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Mining work was stopped from 30.09.2009
1e	Balance reserves as on 01.04.2023		Iron Ore- <b>507113.6 t</b> Mn Ore- <b>11882.16 t</b>	
1f	General remarks of inspecting officer on geology, exploration etc.	Need for exploration the entire area. No bore holes drilled. Proposal to be given in the present draft document for complete exploration of the area.		

### **2. Development:**

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-	Remarks
2a	Location of development w.r.t. lease area	Nil	Nil	Mining work was stopped from 30.09.2009
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Nil	Nil	Mining work was stopped from 30.09.2009
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Mining work was stopped from 30.09.2009
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	Mining work was stopped from 30.09.2009
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	Nil	Mining work was stopped from 30.09.2009
2f	General remarks of inspecting officer on development of pit			

### **3. Exploitation**

S.N.	Item	Proposals for, 2022-23	Actual work during 2022-23	Remarks
3a	Number of pits proposed for production	Nil	Nil	Mining work was stopped from 30.09.2009
3b	Quantity of ROM mineral production proposed	Nil	Nil	Mining work was stopped from 30.09.2009

3c	Recovery of salable/usable mineral from ROM production	Nil	Nil	Mining work was stopped from 30.09.2009
3d	Quantity of mineral reject generation	Nil	Nil	Mining work was stopped from 30.09.2009
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	Mining work was stopped from 30.09.2009
3f	Quantity of sub-grade mineral generation	Nil	Nil	Mining work was stopped from 30.09.2009
3g	Grade of sub-grade mineral generation	Nil	Nil	Mining work was stopped from 30.09.2009
3h	Manual / Mechanized method adopted for segregating from ROM	Nil	Nil	Mining work was stopped from 30.09.2009
3i	Any analysis or beneficiation study proposed & carried out for sub-grade	Nil	Nil	Mining work was stopped from 30.09.2009
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	Mining work was stopped from 30.09.2009
3k	Provision of mining machineries in mineral benches	Nil	Nil	Mining work was stopped from 30.09.2009
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	Nil	Mining work was stopped from 30.09.2009
3m	Total area covered under excavation/pits	Nil	Nil	Mining work was stopped from 30.09.2009
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	Mining work was stopped from 30.09.2009
3o	Total area put in use under different heads at the end of year	Nil	Nil	Mining work was stopped from 30.09.2009

3p	Production of ROM mineral during last six-year period, as applicable 2016-17 2017-18 2018-19 2019-20 2020-21 2021-22 2022-23	Nil	Nil	Mining work was stopped from 30.09.2009
3q	General remarks of inspecting officer on method of			No mine working

**S4. Solid Waste Management-Dumping:**

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	Mining work was stopped from 30.09.2009
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	Mining work was stopped from 30.09.2009
4c	Number of dumps within lease area and outside lease area	Nil	Nil	Mining work was stopped from 30.09.2009
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Mining work was stopped from 30.09.2009
4e	Number of active & alive dumps	Nil	Nil	Mining work was stopped from 30.09.2009
4f	Number of dead dumps	Nil	Nil	Mining work was stopped
4g	Number of dumps stabilized	Nil	Nil	Mining work was stopped from 30.09.2009
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	Mining work was stopped from 30.09.2009
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	Mining work was stopped from 30.09.2009
4j	Number of settling ponds	Nil	Nil	Mining work was stopped from 30.09.2009

4k	Specific comments of inspecting officer on waste dump management			No mine working, dump working
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#### **5. Solid Waste Management-Backfilling:**

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	Mining work was stopped from 30.09.2009
5b	Area under backfilling of mined out area	Nil	Nil	Mining work was stopped from 30.09.2009
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Mining work was stopped from 30.09.2009
5d	Total area fully reclaimed & Rehabilitated	Nil	Nil	Mining work was stopped from
5e	General remarks of inspecting officer on backfilling,			NA

#### **6. Progressive Mine Closure Plan:**

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Nil	Nil	Mining work was stopped from 30.09.2009
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Nil	Nil	Mining work was stopped from 30.09.2009
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	Mining work was stopped from 30.09.2009

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	Mining work was stopped from 30.09.2009
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Nil	Nil	Mining work was stopped from 30.09.2009
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			Mining work was stopped

### **7. Mineral Conservation:**

S.N.	Item	Proposals	Actual	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Mining work was stopped from 30.09.2009
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	Mining work was stopped from 30.09.2009
7c	Different grade of mineral sorted out at mines	Nil	Nil	Mining work was stopped from 30.09.2009
7d	Any beneficiation process at mines	Nil	Nil	Mining work was stopped from 30.09.2009
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			NA

### **8. Environment:**

S.N.	Item	Proposals	Actual	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Mining work was stopped from 30.09.2009
8b	Concurrent use or storage of topsoil	Nil	Nil	Mining work was stopped from 30.09.2009
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Mining work was stopped from 30.09.2009
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Mining work was stopped from 30.09.2009

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Mining work was stopped from 30.09.2009
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Nil	Nil	Mining work was stopped from 30.09.2009
8g	Survival rate	Nil	Nil	Mining work was stopped from 30.09.2009
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Mining work was stopped from 30.09.2009
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			NA

### 9. Returns

S.N.	Item	Proposals	Remarks
9a	Status of submission of Monthly and Annual returns	Nil	Mining work was stopped from 30.09.2009 and lease had lapsed. It has been saved from lapsing vide State Govt order No 10843/ SM-MC1-MRL-005-2022/SM dated 17.11.2022
No scrutiny carried in absence of return and the mine was Non-working since long i.e 30.09.2009.			

The mine was declared lapsed with effect from 30.09.2011 by the State Government Vide letter No-III(A) SM-12/2010 7857/SM dated 20.08.2015. There was no mining lease existed till it was again declared that the lease is subsisting vide order no 10843/ SM-MC1-MRL-005-2022/SM dated 17.11.2022. Thus no violations pointed

Sanjay Kumar Mahapatra  
Assistant Mining Engineer