

MCDR INSPECTION REPORT**General**

S N	Particulars		Details
1	File no		MCDR-MiFLOFE/8/2024-BBS-IBM_RO_BBS
2	Name of Inspecting Officer		Vikram Deshpande, ACOM, BBSR
3	Name of the Mine		Maharjpur Iron Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land		193.229 Ha 175.762 Ha-Forst Area
5	Mine code		30ORI100036
6	Date of Inspection		15.10.2024
7	Name of official accompanying inspection		Sri Pradeep Mahapatra, QP Shri Ray, Representative of Owner
8	IBM Registration Number under rule 45 of MCDR, 1988		IBM/6092/2011
9	Name of the lessee, Address, phone, email and fax number		Shri Dinesh Chandra Das At-Bahalda Road District-Mayurbhanj
10	Village		Mharajpur hill block, Kaadalibarli, Ambadhia and Machakamdana
11	Taluka/Mandal		Panchpir
12	District		Mayurbhanj
13	Pincode		NA
14	State		Odisha
15	Post office		Kalta
16	Nearest police station		NA
17	Nearest Railway station		NA
18	Date of Grant of Mining Lease		06.04.1979
19	Date of Execution		Original Lease Deed :
20	Date of opening of Mine		NA
21	Date of first Renewal, if applicable and its period & expiry		NA
22	Date of second Renewal, if applicable and its period & expiry		NA
23	Date of submission of renewal application if Mining Operations are continuing under deemed extension		N.A.
24	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment		Shri Dinesh Chandra Das At-Bahalda Road District-Mayurbhanj
25	Name of the Mine Agent with Address, phone, email, fax number and date of appointment		None
26	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines		None
27	Name of the Mining Engineer & Geologist, Qualification and total experience	Mining engineer Qualification Date of appointment Address phone/email	None

	Geologist Qualification Date of appointment Address phone/email	None
28	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	None
29	Date of Approval of Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	15.07.2022 (Scheme of Mining for 2019-20 to 2023-24)

30	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	(i) Review of Mining Plan 2019-20 to 2023-24: BBS/MBJ/iron/2171/RMP/2022-23 dated 15/07/2022
31	Mineral(s) granted in lease and proved for mining	Iron Ore (Hematite)
32	Method of Mining(Open cast, Underground)	Open cast
33	Category (Fully Mechanised, Others or Manual)	A-OTFM
34	Captive/Non Captive	Non-Captive
35	Environment Clearance grant date & limit of EC	No EC
36	CTO	No CTO

Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	87	None	The mine is reportedly not working since 2009 due to want statutory clearances.
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	None	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	None	
1d	Balance area to be explored to bring Geological axis in 1 or 2	178.491	None	
1e	Balance reserves as on 01.04.203	As per document approved on 15/07/2022 the reserves/resources are: 122-2805960T 333-893370T		
1f	General remarks of	A number of local faults in small scale, of various		

	inspecting officer on geology, exploration etc.	dimensions are found in banded iron formation (BIF). Both In-situ Iron and BHQ show NE-SW strike and dip varies from 60 to 70 degree towards east or southeast. Some minor folding are observed in this area where there is considerable change in general strike and dip direction of the lithological units. In the western part of the lease hold area the country rock shows different attitude, where the strike of the country rock is NW-SE and dips 68 degree southerly. The mine is reportedly not working since 2009 due to want statutory clearances.
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Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E-408966-409041 N-2433342 - 2433573	None	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate Benches in Mineral Proposed	None	
2c	Stripping ratio or ore to OB ratio	1.0.051 to 1.0.121	None	
2d	Quantity of topsoil generation in m ³	No Proposal	None	
2e	Quantity of overburden/waste generation in m ³	162425	None	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is reportedly not working since 2009 due to want statutory clearances		

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	05	None	
3b	Quantity of ROM production proposed	1000001T	None	

3c	Recovery of salable/usable mineral from ROM production	100%	None	
3d	Quantity of mineral reject generation	No Proposal	None	
3e	Grade of mineral reject generation and threshold value declared	No Proposal	None	
3f	Quantity of sub-grade mineral generation	No Proposal	None	
3g	Grade of sub-grade mineral generation	No Proposal	None	

3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	None	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	None	
3j	Provision of drilling & blasting in mineral benches	Provision made for drilling and blasting in mineral benches	None	
3k	Provision of mining machineries in mineral benches	Use of HEMM proposed	None	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of 6m and width of 9m proposed.	None	
3m	Total area covered under excavation/pits	9.663 Ha	None	
3n	Ore to OB ratio for the pit/mine during the year	1.0.051 to 1.0.121	None	
3o	Total area put in use under different heads at the end of year	Area under mining- 9.663ha Dumping-2.52ha Mineral storage- 7.57ha Infrastructure- 0.013 ha Roads-3.574 ha 23.340 ha	None	
3p	Production of ROM mineral during last five-year period, as applicable			
	Year-2019-20	No Proposal	None	
	Year-2020-21	No Proposal	None	
	Year-2021-22	No Proposal	None	
	Year-2022-23	314199T	None	
	Year-2023-24	1000001T	None	
3q	General remarks of inspecting officer on method of mining etc.	The mine is reportedly not working since 2009 due to want statutory clearances		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping of waste proposed	None	

4b	Location of topsoil, OB & mineral reject dumps	Waste Dump	None	Dump-1-4088147E - 408933E, 2433262N-2433363N Dump-2-409122E-409250E, 2433542N-2433620N
4c	Number of dumps within lease area and outside lease area	02	02	Dump-1-4088147E - 408933E, 2433262N-2433363N Dump-2-409122E-409250E, 2433542N-2433620N
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active & alive dumps	No Proposal	None	
4f	Number of dead dumps	No Proposal	None	
4g	Number of dumps stabilized	No Proposal	02	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	None	
4i	Length of Retaining wall or garland drain all along dump	Maintenance	None	
4j	Number of settling ponds	Maintenance	None	
4k	Specific comments of inspecting officer on waste dump management	The mine is reportedly not working since 2009 due to want statutory clearances.		

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	No Proposal	None	
5b	Area under backfilling of mined out area	No Proposal	None	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	None	

5d	Total area fully reclaimed & rehabilitated	No Proposal	None	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine is reportedly not working since 2009 due to want statutory clearances.		

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 Proposal	None	
6b	Area available for rehabilitation (ha).	No Proposal	None	
6c	afforestation done (ha).	0.37	None	
6d	No. of saplings planted during the year	592	None	
6e	Cumulative no. of plants	No Proposal	None	
6f	Any other method of rehabilitation	No Proposal	None	
6g	Cost incurred on watch and care during the year	No Proposal	None	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No Proposal	None	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	None	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No Proposal	None	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	None	
	Compliance on reclamation and	No Proposal	None	

6l	rehabilitation by backfilling (v)any other specific means.			
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Proposal	None	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Proposal	None	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	None	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring in Core zone and buffer zone proposed as per MOEFCC and SPCB guidelines	None	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The mine is reportedly not working since 2009 due to want statutory clearances.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	None	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	None	
7c	Different grade of mineral sorted out at mines	No Proposal	None	
7d	Any beneficiation process at mines	No Proposal	None	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine is reportedly not working since 2009 due to want statutory clearances.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization	No Proposal	None	

	of topsoil (Rule 32)			
8b	Concurrent use or storage of topsoil	No Proposal	None	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for waste	02	Dump-1-4088147E - 408933E, 2433262N-2433363N Dump-2-409122E-409250E, 2433542N-2433620N
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	None	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	None	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	No Proposal	None	
8g	Survival rate	No Proposal	None	
8h	Water sprinkling on roads to control airborne dust	No Proposal	None	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is reportedly not working since 2009 due to want statutory clearances.		

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Compliance of Rule 45

S.N.	Item		Observation of I/Officer	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return to be submitted by 10 th of each month and Annual Return to be submitted by 1 st July every year.	The lessee has not submitted M.R and AR for 2023-24.	The mine is reportedly not working since 2009 due to want statutory clearances.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The lessee has not submitted AR for 2023-24.	The mine is reportedly not working since 2009 due to want statutory clearances.	
9c	Scrutiny of Annual return on land use pattern for area	The lessee has not submitted AR for 2023-24.		The mine is reportedly not working since

	under pits, reclaimed area, dumps etc.			2009 due to want statutory clearances.
9d	Scrutiny of Annual return on afforestation	The lessee has not submitted AR for 2023-24.		The mine is reportedly not working since 2009 due to want statutory clearances.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	The lessee has not submitted AR for 2023-24.		The mine is reportedly not working since 2009 due to want statutory clearances.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	The lessee has not submitted AR for 2023-24.		The mine is reportedly not working since 2009 due to want statutory clearances.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	The lessee has not submitted AR for 2023-24.		The mine is reportedly not working since 2009 due to want statutory clearances.
9i	Scrutiny of Annual return on fixed assets	The lessee has not submitted AR for 2023-24.		
9k	Scrutiny of Annual return on mining machineries	The lessee has not submitted AR for 2023-24.		The mine is reportedly not working since 2009 due to want statutory clearances.