

MCDR-MiFLOFE/4/2024-JBP-IBM_RO_JBP
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

1/31231/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/JABALPUR/IRONORE-14

Mine code : 30MPR18011

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Shrikant Pandey, Mine Manager & Lessee
Official with
Designation
- (iv) Date of Inspection : 12-MAR-24
- (v) Prev.inspection date : 22-OCT-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : HRIDEYANAGAR IRONORE 4.00
- (b) Registration NO. :
- (c) Category : A
- (d) Type of Working : Opencast
- (e) Postal address
- State : MADHYA PRADESH
- District : JABALPUR
- Village : HRIDEYANAGAR
- Taluka : SIHORA
- Post office : HRIDEYANAGAR
- Pin Code : 483222
- FAX No. :
- E-mail : shrikantpandey1969@gmail.com
- Phone : 9425800763
- (f) Police Station :
- (g) First opening date : 01-APR-10
- (h) Weekly day of rest : SUN
2. Address for
correspondance :
3. (a) Lease Number : MPR2432
- (b) Lease area : 4.00
- (c) Period of lease : 30
- (d) Date of Expiry : 18-MAR-40
4. Mineral worked : IRON ORE Main
LATERITE Associated
MANGANESE ORE Associated

I/31231/2024

5. Name and Address of the

Lessee : SHRIKANT PANDEY
50, GANDHIR\GRANM
(BURHAGAR) TEHSIL-SIHORA
DISTT. JABALPUR (M.P.)
JABALPUR MADHYA PRADESH
Phone:09425800763
FAX :NA

Owner : SHRIKANT PANDEY
50, GANDHIR\GRANM
(BURHAGAR) TEHSIL-SIHORA
DISTT. JABALPUR (M.P.)
JABALPUR MADHYA PRADESH
Phone:
9425800763
FAX : NA

6. Date of approval of Mining Plan/Scheme of Mining : MP review under 17(1) MCR 2016 21-AUG-20

PART - II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

EXPLORATION :

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	18 boreholes proposed during the period 2020-21 to 2024-25.	Nil	Violation pointed out under Rule 11(1) of MCDR 2017.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	NA	
1c	Exploration Agency	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not specified	2.44 hect of lease area has been explored under G-2 and the remaining 1.56 hect area is yet to be explored.	Violation pointed out under Rule 11(1) of MCDR 2017.
1e	Balance reserves	Not specified	The details of Balance resources of Iron Ore & Manganese as on 31.03.2023 is incorrectly furnished in AR	Violation pointed out under Rule 45(7) of MCDR 2017.
1f	General remarks of Inspecting officer on geology, exploration etc.	The iron ore in the lease occurs in the lease in a contact zone with phyllite. The strike is almost East west and dipping towards North. The iron band occurs below the band of laterite.		

Development :

Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Eastern part of the lease area	South western part of the lease area	Violation pointed out under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Proposed	maintained	-
2c	Stripping ratio or ore to OB ratio	1:4.54	NA	-

2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	11633	Nil reported	Violation pointed out under Rule 11(1) of MCDR 2017.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	It was proposed to carryout during the year 2022-23 development & production was proposed towards eastern part of quarry between the coordinates N2584840 - N2584960 & E399515- E4399585. But during the year, development & production was instead carried out on the southwestern part of the quarry.Hence Violation pointed out under Rule 11(1) of MCDR 2017.		

Exploitation :

Sl.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1 pits were proposed for production	1 pits	
3b	Quantity of ROM production proposed (2022-23)	2559 (Iron Ore & Mn) t	2049 (Iron Ore) t	
3c	Recovery of Salable/usable mineral from ROM production	Iron ore -100% Manganese ore-20%	Iron ore -90% Manganese ore-35%	
3d	Quantity of mineral reject generation	Nil	Nil	No mineral reject generation
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	No mineral reject generation
3f	Quantity of sub-grade mineral generation	Nil	Nil	No sub-grade mineral generation
3g	Grade of sub-grade mineral generation	Nil	Nil	No sub-grade mineral generation
3h	Manual/Mechanized method adopted for segregation from ROM	manual	manual	
3i	Any analysis or beneficiation study proposed & carried out for sub- grade mineral and reject	Nil	Nil	No sub-grade mineral generation

3j	Provision of drilling & blasting in mineral benches	Nil	Nil	Manual working was proposed.
3k	Provision of mining machineries in mineral benches	proposed	As per proposal	
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation /pits	Not specified	Nil reported in AR	Violation pointed out under Rule 45(7) of MCDR 2017.
3n	Ore to OB ratio for the pit/mine during the year	1:4.54	NA	
3o	Total area put in use under different heads at the end of year	Not specified	Incorrectly reported in AR	Violation pointed out under Rule 45(7) of MCDR 2017.
3p	Production of ROM mineral during last five-year period, as applicable	2018-19 2019-20 2020-21 2021-22 2022-23 (till date)	9199 12265 2876 1943 2559	0 0 2298 1554 2049
3q	General remarks of inspecting officer on method of mining etc	It was proposed to carryout during the year 2022-23 development & production was proposed towards eastern part of quarry between the coordinates N2584840 - N2584960 & E399515- E4399585. But during the year, development & production was instead carried out on the southwestern part of the quarry.Waste excavation was observed during inspection but 'Nil' OB/waste is reported in the Annual Return.Hence Violation pointed out.		

Solid waste management-dumping :

Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of OB for backfilling proposed	Separate dumping of OB not reported.	Violation pointed out under Rule 11(1) of MCDR 2017.
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Nil	
4c	Number of Dumps within lease area and outside lease area	1	1	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	NE part of lease area	
4e	Number of Active & Alive dumps	2	1	
4f	Number of dead dumps	0	0	
4g	Number of dumps established	0	0	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	-	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	-	
4j	Number of settling ponds	Not proposed		
4k	Specific commends officer on waste dump management	Waste excavation was observed during inspection but 'Nil' OB/waste is reported in the Annual Return. Violation pointed out under Rule 11(1) of MCDR 2017.		

I/31231/2024

Solid waste management-backfilling :

Sl.No.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Backfilling proposed on Northern part of mined out area	Nil reported in returns	Violation pointed out under Rule 45(7) of MCDR 2017.
5b	Area under backfilling of mined out area	Not specified for the year	Nil	
5c	Concurrent use of Topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully rehabilitated	3936 m2(approx.)	Nil reported in returns	Violation pointed out under Rule 45(7) of MCDR 2017.
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling & reclamation were lagging behind approved proposals.		

Progressive mine closer plan

Sl.No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Yes	Annual report on PMCP has been Submitted.	
6b	Management of worked/mined out benches	Nil	NA	
	i)Area available for rehabilitation (Ha)	Nil	NA	

I/31231/2024

	ii)Afforestation done (ha)	0.06	0.15	
	iii)No. of saplings planted during the year	100	100	
	iv)Cumulative no. of plants	Not specified for the year	500 (approx.)	
	v) Any other specific method of rehabilitation	Nil		Nil
	vi)Cost incurred on watch & care during the year	Not specified	NA	
6c	Compliance on reclamation and rehabilitation by backfilling	NA	NA	
	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			
6d	Compliance of Rehabilitation of waste land within lease	NA	NA	
	i) Afforestation			
	ii) Area rehabilitated (ha)			
	iii) Method of rehabilitation			
6e	Compliance of Environment monitoring (core	Environment monitoring proposed	Carried out	

I/31231/2024

zone & buffer
zone)

- 6f General remarks of Afforestation being done on green belt.
inspecting officer
on PMCP compliance
& progressive
closer operations

Mineral conservation :

Sl.No.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting proposed	Manual sorting done	
7c	Different grade of mineral sort out at mine	Not specified	IRON ORE Fines & Lumps-45% to below 51% Fe.	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatch after manual sorting being done in the lease.		

ENVIRONMENT

Sl.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not proposed	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Generated waste quantity was proposed to be backfilled.	Not reported in returns	Violation pointed out under Rule 45(7) of MCDR 2017.

I/31231/2024

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Generated waste was proposed to be used for backfilling during conceptual period	Not reported in returns	Violation pointed out under Rule 45(7) of MCDR 2017.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Green belt was proposed to be developed	Around 500 plants has been planted in lease area and surroundings	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed	100 nos of saplings planted.	Additional 150 nos Plantation also been done on lessee's private land adjoining to lease area.
8g	Survival rate	80%	50-70%	
8h	Water sprinkling on roads to control airborne dust	yes	Regular Water sprinkling on roads to control airborne dust is in practice by lessee's water tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mine area needs improvement.		

I/31231/2024

Compliance of rule 45 :

Sl.No.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and Annual returns	Annual returns submitted on : 28.06.2023 Monthly returns submitted till Dec by the 10 th of every reporting month	Returns are submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : N.A. Mining Engineer In Charge: Mr. Shrikant Pandey Geologist In Charge : Nil	The details wrt to Manager & Geologist in charge were not furnished.	Violation pointed out under Rule 45(7) of MCDR 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Lease area (surface area) utilisation as at the end of year (hectares): Under forest Outside forest Total (i) Already exploited and abandoned by opencast (O-C) mining 0.000 2.443 2.443 (ii) Covered under current (O-C) Workings 0.000 0.000 0.000 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.000 0.000 (v) Occupied by plant, buildings, residential , welfare buildings and roads 0.002 0.000 0.002	The details wrt to Lease area (surface area) utilisation as at the end of year is incorrectly furnished	Violation pointed out under Rule 45(7) of MCDR 2017.
9d	Scrutiny of Annual return on	Given	Trees planted-survival rate	

I/31231/2024

	afforestation		Description Within lease area Outside lease area
			i) Number of trees planted during the year 100 150 ii) Survival rate in percentage 75 60 iii) Total no. of trees at the end of the year 250 300
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Given	Opening stock : 1090.840 T Production : 2049 (Iron Ore) Fines); Despatches:217 6.047 T Closing stock : 963.793 T
9g	Scrutiny of Annual return on sale value, Ex Mine price & production costs	Given	Cost of production - Rs.280; Ex mine price- Rs.375 (Iron Ore Fines 45% to below 51% Fe)
9i	Scrutiny of Annual return on Fixed assets	Nil	The Value of Fixed Asset is mentioned as "Nil"
			Violation pointed out under Rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining Machineries		The details wrt to the type of Machinery deployed during the year is incorrectly furnished.
			Violation pointed out under Rule 45(7) of MCDR 2017.

I/31231/2024

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
Rule 11(1)	03-MAY-24				
Rule 12	03-MAY-24				
Rule 31(4)	03-MAY-24				
Rule 33	03-MAY-24				
Rule 45(7)	03-MAY-24				

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines