

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/JBP/IORE-8

Mine code : 30MPR18006

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 12-JUN-21
- (v) Prev.inspection date : 05-OCT-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **DHAMKI**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JABALPUR
Village : DHAMKI
Taluka : SIHORA
Post office : GANDHIGRAM
Pin Code : 483222
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 04-FEB-90
- (h) Weekly day of rest : FRI
2. Address for : JAIKISHAN JAKOIDYA
correspondance : 184, SAMTA COLONY, RAIUR (C.G.)
3. (a) Lease Number : MPR0786
(b) Lease area : 6.88
(c) Period of lease : 20
(d) Date of Expiry : 31-DEC-10
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : JAIKISHAN JAKOIDYA
 SAMTA COLONY, RAIPUR
 CHHATTISGARH
 Phone:N. A.
 FAX :N. A.

Owner : JAIKISHAN JAKOIDYA
 SAMTA COLONY RAIPUR
 CHHATTISGARH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30-AUG-88
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	13-DEC-96
		Mining Scheme rule 12 MCDR1988	08-MAR-04
		Mining Scheme rule 12 MCDR1988	05-SEP-08
		Renewal under rule 24 MCR1960	01-APR-11
		Modif.of approved Mining Plan	18-DEC-12
		Mining Scheme rule 12 MCDR1988	07-MAY-14
		MP review under 17(1) MCR 2016	23-AUG-19

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	3.487 ha of G2 explored	3.487 ha of G2 explored	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	3.487 ha of G2 and 3.0553 ha of G3 to be explored.	3.487 ha of G2 and 3.0553 ha of G3 to be explored.	
1e	Balance reserve as on 01/04/20	0.49 Million Tonnes	0.52 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	central and northern part of the pit.	central and northern part of the pit.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and minerals proposed	maintained	
2c	Stripping ratio or ore to OB ratio	1:0.03	1:0.03	
2d	Quantity of topsoil generation in m3	nil	nil	

2e	Quantity of overburden generation in m3	6195 m3	4900 m3	Violation pointed out under rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	195143 tonnes	164672 tonnes	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
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	not proposed	not done	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposed	not done	
3j	Provision of drilling and blasting in mineral benches	Proposed	As per proposal	
3k	Provision of mining machineries in mineral benches	proposed	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		overall production & development is lagging behind approved proposals.	violation pointed out under rule 11(1) of MCDR 2017.
3m	Total area covered under excavation/pits	3.54 ha	3.54 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.03	1:0.03	
3o	Total area put in use under different heads at the end of year	5.63 ha	5.6 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 76680 2017-18 75600 2018-19 75600 2019-20 148272 2020-21 195143.	2016-17 18040 2017-18 7590 2018-19 23542 2019-20 30478 2020-21 164672	
3q	General remarks of inspecting officers on method of mining etc.			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps of OB & Mineral proposed	Separate dumps of OB & Mineral maintained
4b	Location of topsoil, OB and mineral reject dumps	01 laterite dump in northern part of the quarry.	01 laterite dump in northern part of the quarry.
4c	Number of dumps within lease area and outside of lease area	03 temporary dump within lease area	03 temporary dump 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.	02	02
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.		Garland drain of 200 meters around dumps
4i	Length of Retaining wall or garland drain all along dumps		Garland drain of 200 meters around dumps
4j	Number of settling ponds	01	01
4k	Specific comments of inspecting officer on waste dump management		

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.	backfilling in barrier and in berms proposed	backfilling in barrier and in berms done
5b	Area under backfilling of mined out area	0.2 ha	0.2 ha
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil not generated	nil
5d	Total area fully reclaimed and rehabilitated	0.2 ha	0.2 ha
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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).		not submitted.	Violation pointed out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	not proposed	0.2 ha along barrier zone	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	not proposed	0.2 ha
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	carried out
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch carried out	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	not proposed	Nil	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	not proposed	Not done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	no topsoil removal proposed for the year	nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed	Separate dumps for overburden overburden maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	OB used for backfilling as proposed	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	Phased reclamation carried out	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		PMCP report not submitted	Violation pointed out under rule 26(2) of MCDR 2017
8g	Survival rate		PMCP report not submitted	Violation pointed out under rule 26(2) of MCDR 2017
8h	Water sprinkling on roads to control airborne dust	proposed	Water sprinkling on roads carried out	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR submitted upto date. AR not submitted for 2019-20	violation pointed out under rule 45(7) of MCDR 2017
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted	
9d	Scrutiny of Annual return on afforestation	AR not submitted	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted	
9h	Scrutiny of Annual return on fixed assets	AR not submitted	
9k	Scrutiny of Annual return on mining machineries	AR not submitted.	

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
MCDR17	Rule 11(1)	23-JUN-21			
	Rule 26(2)	23-JUN-21			
	Rule 45(7)	23-JUN-21			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines