

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/JBP/IRON-22

Mine code : 30MPR18024

- (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 : 11-MAY-21
- (v) Prev.inspection date : 27-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JHANSI SILUA**
- (b) **Registration NO.** : **IBM/548/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JABALPUR
Village : SILUA & JHANSI
Taluka : SIHORA
Post office : SILUA
Pin Code : 483222
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 06-JUL-18
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : KHATRI MINERALS AND MINING COMPANY
865, SOUTH MOTINALA,
HANUMANTAL, JABALPUR (M.P.)
JABALPUR MADHYA PRADESH
Phone:NA
FAX :NA

Owner : KHATRI MINERALS AND MINING COMPANY
865, SOUTH MOTINALA,
HANUMANTAL, JABALPUR (M.P.)
JABALPUR MADHYA PRADESH
Phone: NA
FAX : NA

6. Date of approval of Mining :
Plan/Scheme of Mining

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	to explore 1.31 ha G2 and 3.24 ha of non mineralised area	1.31 ha of G2 area and 3.24 ha of non mineralised area to be explored.	violation pointed out under rule 11(1) of MCDR 2017.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Entire 4.56 area to be to be explored to bring in G1	
1e	Balance reserve as on 01/04/20	122- 72809 tonnes	122- 72809 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	E 406288 to 406331 & N 2584581 to N 2584671	E 406288 to 406339 & N 2584590 to N 2584647	violation pointed out under rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio	1: 0.88	1: 0.58	
2d	Quantity of topsoil generation in m3	nil	nil	

2e	Quantity of overburden generation in m3	5595	433	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	18361	750	violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	not proposed	ROM used for captive purpose	
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 adopted	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposed	no analysis or beneficiation study carried out		
3j	Provision of drilling and blasting in mineral benches	yes	as per proposal		
3k	Provision of mining machineries in mineral benches	yes	as per proposal		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	found suitable		
3m	Total area covered under excavation/pits	1.4 ha	1.06 ha		
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.88	1: 0.58		
3o	Total area put in use under different heads at the end of year	2.3 ha	1.82 ha		
3p	Production of ROM mineral during the last five year period as applicable	2016-17 2017-18 2018-19 2019-20 2020-21	20114 10868 10156 14195 18361	2016-17 2017-18 2018-19 2019-20 2020-21	nil nil 5856 7500 433
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 dumping of OB proposed	Separate dumping of OB maintained
4b	Location of topsoil, OB and mineral reject dumps	in north eastern part of the lease area	in north eastern part of the lease area
4c	Number of dumps within lease area and outside of lease area	01	01
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside upl	outside upl
4e	Number of active and alive dumps.	01	01
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.	proposed	garland drain: 100mx1x1m maintained
4i	Length of Retaining wall or garland drain all along dumps	garland drain: 100mx1x1m	garland drain: 100mx1x1m
4j	Number of settling ponds	Nil	Nil
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.	Not proposed	Area not matured for backfilling	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	No topsoil generated	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling

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).	Yes	Not submitted	violation pointed out under rule 26(2)
6b	Area available for rehabilitation (ha) .	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring proposed	yearly monitoring done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly PMCP repviolation pointed out under rule 26(2)

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed	Not done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not done	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	Proposed	beneficiation not carried out as consent to operate yet to be sanctioned.	

7e General remarks
of inspecting
officer on
Mineral
conservation and
beneficiation
issues

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	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 maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	01 OB dump proposed	01 OB dump maintained	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	yes	Number of trees planted during the year 20 nos in barrier zone. Survival rate in percentage is 80.00	

8g	Survival rate	80.00%
8h	Water sprinkling on roads to control airborne dust	Water spraying on mines haul road, loading, unloading points proposed. Water sprinkling carried out on the haul road, unloading points regularly.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not submitted	NA	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	NA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA	
9d	Scrutiny of Annual return on afforestation	NA	NA	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA
9h	Scrutiny of Annual return on fixed assets	NA	NA
9k	Scrutiny of Annual return on mining machineries	NA	NA

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)	07-JUN-21	10-AUG-21				
	Rule 26(2)	07-JUN-21	10-AUG-21				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines