

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/JBP/IRON-22

Mine code : 30MPR18024

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 27-FEB-20
- (v) Prev.inspection date :

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	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	YES, 5 nos of BH	YES, 5 nos of BH	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NP	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	5 NOS BH	5 nos of BH	
1e	Balance reserve as on 01/04/20	AS ON 1/04/2019	RESERVES -111-53623 MT, IRON ORE HAEMATITE	
1f	General remarks of inspecting officers on geology, exploration etc			EXPLORATION IS DONE.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	S-80 to 210 E-50 to 200	S-80 to 210 E-50 to 200	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	
2c	Stripping ratio or ore to OB ratio	.775 M3/T	2.167 M3/T	
2d	Quantity of topsoil generation in m3	NA	NA	

2e	Quantity of overburden generation in m3	15558	22000	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			MINE IS DEVELOPED IN TO BENCHES FOR WINNING ORE. IRON ORE IS SEPERATED FROM OTHER WASTE

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	20114	10150 T	
3c	Recovery of sailable/usable mineral from ROM production	YES	YES	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method	Mechanized method	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Yes	NOT DONE	
3k	Provision of mining machineries in mineral benches	Yes	Yes	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	1.3 Ha	.4 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	0.77 M3/T,WASTE:ORE	2.16 M3/T,WASTE: ORE	
3o	Total area put in use under different heads at the end of year	PIT-1.40,DUMP-.85,	PIT-.40,DUMP-0.35	
3p	Production of ROM mineral during the last five year period as applicable	18-19- 20,114T	2017-18 nil 2018-19 10150T	NOTICE OF OPENING GIVEN IN 2018.
3q	General remarks of inspecting officers on method of mining etc.			.MINES IS DEVELOPED INTO BENCHES OF 3MTR AND 5MTR.

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)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	E-100 to 200 S-220-320	E-100 to 200 S-220-320	
4c	Number of dumps within lease area and outside of lease area	01, WITHIN LEASE	01, WITHIN LEASE	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	, TEMPORARY DUMP	, TEMPORARY DUMP	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	ONE	ONE	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	80 M	90 MTR	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management			TEMPORARAY DUMPS IS MADE AS PER PLAN.

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.	NA	NA	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			THERE IS NO AREA MATURED OR PROPOSED FOR BACKFILLING.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not submitted	Not submitted	VIOLATION GIVEN
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha).	NA	NA	
6d	No. of saplings planted during the year			NO PROPOSAL FOR WORKED OUT BENCH
6e	Cumulative no .of plants	NA	NA	

6f	Any other method of rehabilitation	NA	NA	NO PROPOSAL FOR WORKED OUT BENCHES, FIRTS YEAR OF MINES WORKING.
6g	Cost incurred on watch and care during the year			
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NP	NA	NO PROPOSALS FOR BACKFILLING
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	10 TREES IN BARRIER.	10 TREES PLANTED IN BARRIER.	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	PLANTATATION IN GREEN BELT	Plantation over green belt	
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	DONE	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			MINES HAS STARTED OPERATION IN 2018.NEW MINE.BARRIER PLANATATION IS BEING DONE.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM MINERAL	ROM MINERAL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	Proposed IN FUTURE.	CRUSHING AND SCREENING IS DONE TO SEPERATE ORE.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	AS PER PLAN LEESE MAY ESTABLISH BENEFICIATION PLANT.PRESENTLY CRUSHING AND SCREENING IS DONE.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	TEMPORARAY DUMPS
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	no	YES PLANNED IN FUTURE
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	no	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NO, ADDITTIONAL 10 PLANTS PER YEAR	YES, PLANATATATION IS DONE	

8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			PLANTATATION CAN BE SEEN IN MINES AREA.

Compliance of Rule 45:

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

- 9g Scrutiny of
Annual return on
sale value, Ex.
Mine price and
production cost
 - 9h Scrutiny of
Annual return on
fixed assets
 - 9k Scrutiny of
Annual return on
mining
machineries
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 26(2)	08-MAY-20			
MCDR17	Rule 55(1) (1)	08-MAY-20			
MCDR17	Rule 35(1)	08-MAY-20			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines