

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/JBP/IRON-10

Mine code : 30MPR18008

- (i) Name of the Inspecting : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Brijendra Singh Chauhan Rep. of lessee and other staf
Official with
Designation
- (iv) Date of Inspection : 27-JAN-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SINDURSI (13.20 HA)**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : JABALPUR
Village : SINDURSI
Taluka : SIHORA
Post office : TIKARIYA
Pin Code : 483334
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date : 01-SEP-05
- (h) Weekly day of rest : SUN
2. Address for : PRO. JAI SINGH, M/S JAI MINERALS
correspondance : D.K.Tower,101-J.K. Road,Bhopal
Distt-Bhopal (M.P.)
3. (a) Lease Number : MPR2132
- (b) Lease area : 10
- (c) Period of lease : 20
- (d) Date of Expiry : 27-OCT-17
4. Mineral worked : IRON ORE Main
LATERITE Associated

5. Name and Address of the

Lessee : JAI MINERALS
 PROP. JAI KUMAR SINGH, 62,
 RAI COLONY, BHADANPUR ROAD,
 KATNI MADHYA PRADESH
 Phone:
 FAX :

Owner : JAI MINERALS
 PROP. JAI KUMAR SINGH, 62
 RAI COLONY, BHADANPUR ROAD,
 KATNI MADHYA PRADESH
 Phone:
 FAX :

Mining Engineer

Name : RAMANAND, Full Time
 Qualification : B.Tech(*Mining)
 Appointment/ : 15-FEB-11
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	03-APR-06
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	04-SEP-08
	:	Mining Scheme rule 12 MCDR1988	02-MAR-11
	:	Modif.approved Mining Scheme	17-AUG-12
	:	Mining Scheme rule 12 MCDR1988	06-MAY-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Not done	No proposal was given in approved mining plan.
1b	Exploration over lease area for geological axis 1 or 2	Not Proposed	Not done	No proposal was given in approved mining plan.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Not Done	No proposal was given in approved mining plan.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed.	Not applicable.	No proposal was given in approved mining plan.
1e	Balance reserve as on 01/04/20		Balance reserves as on 01.04.2020 UNFC 121: 1.64 MT	
1f	General remarks of inspecting officers on geology, exploration etc			The Laterite capping is underlain by Phyllites bands which are variably associated with iron ore bands i.e. there are two alternating zones of iron ore bands occurring in alternating sequences i.e. starting from northern part.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	SOUTH PIT -1	Nil	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	NIL	
2c	Stripping ratio or ore to OB ratio	1:0.02	NIL	Mining operation was not done in the RY 2019-20. Violation pointed out for the same under rule 11(1) of MCDR-2017.
2d	Quantity of topsoil generation in m3	Not proposed	NIL	
2e	Quantity of overburden generation in m3	2350 m3	NIL	Mining operation was not done in the RY 2019-20. Violation pointed out for the same under rule 11(1) of MCDR-2017
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operation was not done in the RY 2019-20.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	IN CENTRAL TO SOUTHERN SIDE 1.021 HA	NIL	Mining operation was not done in the RY 2019-20.
3b	Quantity of ROM mineral production proposed	70140 m3	NIL	Mining operation was not done in the RY 2019-20.
3c	Recovery of sailable/usable mineral from ROM production	80%	NIL	
3d	Quantity of mineral reject generation	Not Proposed	NIL	

3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	NIL	
3f	Quantity of sub grade mineral generation.	Not Proposed	NIL	
3g	Grade of sub grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Not applicable	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Not Proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB=2-3M Mineral =5-6	NIL	
3m	Total area covered under excavation/pits	5.021 Hect	4.98 Hect	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.02	NIL	Mining operation was not done in the RY 2019-20. Violation pointed out for the same under rule 11(1) of MCDR-2017.

3o	Total area put in use under different heads at the end of year	5.021 Hect	4.98 Hect	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 65632 2016-17 59640 2017-18 52080 2018-19 51044 2019-20 70140	2015-16 65627 2016-17 68240 2017-18 - 2018-19 64740 2019-20 -	
3q	General remarks of inspecting officers on method of mining etc.			Mining operation was not done in the RY 2019-20. Violation pointed out for the same under rule 11(1) of MCDR-2017.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Proposed	NIL	
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed	NIL	
4c	Number of dumps within lease area and outside of lease area	NIL	NIL	SALEABLE ORE STACKS
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	NO OB DUMPS PRESENT STACK ARE IN 1.0811HA
4e	Number of active and alive dumps.	NO ACTIVE DUMPS	NO ACTIVE DUMPS	
4f	Number of dead dumps.	NO DEAD DUMPS	NO DEAD DUMPS	
4g	Number of dumps established.	NIL	NIL	

4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer on waste dump management			No waste dump observed in the ML area. Salable mineral stacks found during the inspection.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not Proposed	NIL	
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	NIL	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Back filling not proposed in the RY 2019-20.

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).	YES	NOT SUBMITTED	Yearly PMCP report not submitted for the approved period. Violation pointed out for the same under rule 26(2) of MCDR-2017
6b	Area available for rehabilitation (ha) .	Not Proposed	NIL	
6c	afforestation done (ha).	0.04 hect	NIL	Violaiton pointed out for the same under rule 11(1) of MCDR-2017.
6d	No. of saplings planted during the year	45	NIL	Violaiton pointed out for the same under rule 11(1) of MCDR-2017.
6e	Cumulative no .of plants	225	NIL	
6f	Any other method of rehabilitation	Not Proposed	NIL	
6g	Cost incurred on watch and care during the year	15000	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Proposed	NIL	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	NIL	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not Proposed	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Proposed	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not Proposed	NIL

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Afforestation is not done as per proposal. Violaiton pointed out for the same under rule 11(1) of MCDR-2017.
----	---	--

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	70140M3	NOT DONE	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MANUAL	NOT DONE	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	NOT PROPOSED	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mining operation not carried out in the RY 2019-20.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NOT PROPOSED	NIL	

8b	Concurrent use or storage of topsoil	NOT PROPOSED	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	2350M3 TO DUMPED SOUTH 7.5M BARRIER ZONE	NIL	Violation pointed out for the same under rule 11(1) of MCDR-2017
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NOT PROPOSED	As per Proposed	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NOT PROPOSED	As per Proposed	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	PLANTATION OF 45 NOS. OF SAPLINGS IN 400 SQ M AREA.	NIL	Plantation not done as per approved proposal. Violaiton pointed out for the same under rule 11(1) of MCDR-2017.
8g	Survival rate	80%	0%	
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			Plantation not done as per approved proposal. Violaiton pointed out for the same under rule 11(1) of MCDR-2017.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	Annual Return Submitted for the RY 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer & Geologist Appointed	Violation pointed out for the same under rule 45(5) of MCDR-2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	GIVEN	
9d	Scrutiny of Annual return on afforestation	45	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	DIRECT SALE NO MINERAL REJECT GENERATION	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ST-1 758 m2 i.e. 38m x 19-20m ST-2 503 m2 i.e. 30m x 10-11m ST-3 658 m2 i.e. 45m x 14-15m ST-4 2420 m2 i.e. 74m x 32-33m ST-5 3511 m2 i.e. 150m x 23-24m ST-6 1421 m2 i.e. 55m x 25-26m ST-7 1540 m2 i.e. 58m x 26-27m	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No Production and Dispatch FOR RY 2019-20	
9h	Scrutiny of Annual return on fixed assets	AS PER AR	

9k Scrutiny of Annual return on mining machineries AS PER AR

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 11(1)	03-JUN-21			
MCDR17	Rule 26(2)	03-JUN-21			
MCDR17	Rule 33	03-JUN-21			
MCDR17	Rule 55(1) (1	03-JUN-21			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines