

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/JBP/MANG-14

Mine code : 40MPR18004

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 28-JUN-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MANSAKRA (8.00 HA)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : JABALPUR
Village : MANSAKAR
Taluka : SIHORA
Post office : SIHORA
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station : SIHORA
- (g) First opening date : 29-JAN-07
- (h) Weekly day of rest :
2. Address for : M/S SHIVALIKA MINERALS,
correspondance Prop. JAI KUMAR SINGH, 101,
D.K.TOWER, J.K.ROAD, BHOPAL (M.P.)
3. (a) Lease Number : MPR2312
- (b) Lease area : 8
- (c) Period of lease : 20
- (d) Date of Expiry : 10-DEC-26
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : SHIVALIKA MINERALS
PROP.JAI KUMAR SINGH 101,
D.K.TOWER, J.K.ROAD,
BHOPAL M.P. BHOPAL MADHYA
PRADESH
Phone:NA
FAX :NA

Owner : SHIVALIKA MINERALS
PROP. JAI KUMAR SINGH 101,
D.K.TOWER, J.K.ROAD,,
BHOPAL M.P. BHOPAL MADHYA
PRADESH
Phone: NA
FAX : NA

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	31-OCT-06
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	04-FEB-13
	:	Mining Scheme rule 12 MCDR1988	08-JUN-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NO BACKLOG OF PREVIOUS YEAR	NO PROPOSAL OF EXPLORATION WAS GIVEN IN THE PREVIOUS YEAR	
1b	Exploration over lease area for geological axis 1 or 2	THE ML IS EXPLORED UPTO G2 LEVEL PRIOR MEMC RULE 2015	THE ML IS EXPLORED UPTO G2 LEVEL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NOT MENTIONED	NOT APPLICABLE	
1d	Balance area to be explored to bring Geological axis in 1 or 2	THE ML AREA IS EXPLORED UPTO G2 LEVEL PRIOR TO MEMC RULE 2015	THE ML AREA IS EXPLORED UPTO G2 LEVEL WHOLE 8.00 HECT IS REQUIRED TO EXPLORED UPTO G1 LEVEL	
1e	Balance reserve as on 01/04/20	AS ON 08.06.2016 111-0 122-843142 222-313898	AS ON 20/07/2021 111-0 122-780718 222-232898	UNITS ARE IN TONNES
1f	General remarks of inspecting officers on geology, exploration etc			ML AREA BELONGS TO MAHAKAUSHAL REGIONA IN JABALPUR DISTRICT THE MINERALISATION OF THE MANGANESE IS ASSOCIATED WITH IRON ORE AND LATERITIC SOIL, ML AREA IS STRUCTURALLY CONTROLLED

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	IT WAS PROPOSED TO WORK IN THE SOUTHERN SIDE OF THE ML AREA AND ADVANCE TOWARDS CENTRAL PART OF ML	DEVELOPMENT WAS NOT DONE AS PER THE PROPOSAL GIVEN AS THE MINE WAS NOT IN OPERATIONAL SINCE 2019-20	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	PROPOSED	IN TEH OLD WORKING IT WAS OBSERVED THAT BENCHES IN SOIL AND IN MINERAL WERE FORMED	
2c	Stripping ratio or ore to OB ratio	1:0.12	NIL	`MINE WAS CLOSED SINCE 2019-20
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	6525	NIL	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			WORKING WAS STOPPED SINCE 2019-20

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	SINGLE PIT	SINGLE PIT	MINE WAS CLOSED SINCE 2019-20
3b	Quantity of ROM mineral production proposed	14592 MN	NIL	
3c	Recovery of sailable/usable mineral from ROM production	25% MANGANESE, IRON 50% AND LATERITE 15% AS PER APPROVED MINING PLAN	NIL, MINE WAS CLOSED SINCE 2019-20	

3d	Quantity of mineral reject generation	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NOT PROPSOED	NIL
3f	Quantity of sub grade mineral generation.	NOT PROPOSED	NIL
3g	Grade of sub grade mineral generation	NOT PROPSOED	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED METHOD WAS PROPOSED FOR SEGRAGATION	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NOT PROPOSED	NIL
3j	Provision of drilling and blasting in mineral benches	PROPOSED	NIL
3k	Provision of mining machineries in mineral benches	PROPOSED	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	SUITABLE	AS PER APPROVED MINING PLAN THE OLD BENCHES ARE SUITABLE FOR OPENCAST MECHANISED MINING
3m	Total area covered under excavation/pits	4.10 HECT	4.10 HECT
3n	Ore to OB ratio for the pit/mine during the year.	1:0.12	NIL

3o	Total area put in use under different heads at the end of year	5.12 HECT	5.12 HECT	
3p	Production of ROM mineral during the last five year period as applicable	2016-17=14988 MN 2017-18=11783 2018-19=11664 2019-20=17836 2020-21=14592	2016-17=700 2017-18=700 2018-19=250 2019-20=0 2020-21=0	MINE IS CLOSED SINCE 2019-20
3q	General remarks of inspecting officers on method of mining etc.			OPENCAST MECHANISED METHOD OF MINING WAS PROPOSED HOWEVER THE MINING WAS NOT DONE IN THE ML SINCE TWO YEARS 2019-20

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	PROPOSED	NIL	
4b	Location of topsoil, OB and mineral reject dumps	DUMPING WAS PROPOSED IN THE NORTH-WESTERN SIDE OF THE ML AREA	NIL	
4c	Number of dumps within lease area and outside of lease area	NOT PROPOSED	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	WITHIN THE UPL	WITHIN THE UPL	
4e	Number of active and alive dumps.	ONE OLD DUMP	ONE OLD DUMP LOCATED WITHIN THE ML	
4f	Number of dead dumps.	NOT PROPOSED	NIL	
4g	Number of dumps established.	NOT PROPOSED	NIL	

4h	Whether Retaining wall or garland drain all along dumps are there.	NOT PROPOSED	NIL	
4i	Length of Retaining wall or garland drain all along dumps	NOT PROPOSED	NIL	
4j	Number of settling ponds	NOT PROPOSED	NIL	
4k	Specific comments of inspecting officer on waste dump management			MINE WAS CLOSED SINCE 2019-20

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.	FULL EXTRACTION OF MINERAL PROPOSED	NIL	MINE WAS CLOSED SINCE 2019-20 FULL EXTRACTION OF MINERAL NOT DONE YET UPTO THE UPD
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)	IT WAS PROPOSED TO USED SOIL IN PLANTATION	NIL	
5d	Total area fully reclaimed and rehabilitated	NOT PROPOSED	NO AREA IS MAYURE ENOUGH FOR THE PROCESS	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			MINE WAS NOT IN OPERATIONAL SINCE 2019-20 THEREFORE THE BACKFILLING PROCESS ARE NOT DONE

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).	PROPOSED	NOT SUBMITTED	
6b	Area available for rehabilitation (ha) .	NOT PROPOSED	NIL	
6c	afforestation done (ha).	0.045 HECT	NIL	
6d	No. of saplings planted during the year	50	NIL	
6e	Cumulative no .of plants	1500	NIL	
6f	Any other method of rehabilitation	NOT PROPOSED	NIL	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	GRADE WISE SORTING WAS PROPOSED	NIL	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL METHOD	NIL	
7c	Different grade of mineral sorted out at mines.	NOT PROPOSED	NIL	
7d	Any beneficiation process at mines .	NOT PROPOSED	NIL	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	MINE WAS NOT IN OPERATIONAL SINCE 2019-20
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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	PROPOSED	NIL	
8b	Concurrent use or storage of topsoil	IN PLANTATION	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	PROPOSED	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	PROPOSED	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	PROPOSED	NIL	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	PROPOSED	NIL	

8g	Survival rate	80%	NIL	
8h	Water sprinkling on roads to control airborne dust	PROPOSED	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			NEEDS IMPROVEMENTS

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	AR SUBMITTED UPTO 2019-20 MR SUBMITTED UPTO JAN 22	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NOT FURNISHED	AS THE MINE WAS CLOSED NO APPOINTMENT DETAILS AVAILABLE	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	FURNISHED	FURNISHED	
9d	Scrutiny of Annual return on afforestation	FURNISHED	FURNISHED	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	FURNISHED	FURNISHED	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	FURNISHED	FURNISHED	

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

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

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines