

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/BGT./MN.-22

Mine code : 40MPR01077

- (i) Name of the Inspecting : **NQ06**) **P.NAHAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sh. Rajesh Nath, representative of lessee
Official with
Designation
- (iv) Date of Inspection : 25-APR-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** :
- (b) **Registration NO.** : **IBM/15395/2013**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village :
Taluka :
Post office :
Pin Code :
FAX No. : NA
E-mail : NA
Phone :
- (f) Police Station : KATANGI
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for :
correspondance :
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the
Lessee : CHHINDWARA MINERALS CORPORATION
BALAGHAT CHHINDWARA
MADHYA PRADESH
Phone:
FAX :
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	NOT PROPOSED	NA	Proposal period expired
1b	Exploration over lease area for geological axis 1 or 2	NOT PROPOSED	NA	Proposal period expired
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	Proposal period expired
1d	Balance area to be explored to bring Geological axis in 1 or 2	Approx. 1.0 ha.	NA	
1e	Balance reserve as on 01/04/20	NOT PROPOSED	111-435.3T 121-1800T	
1f	General remarks of inspecting officers on geology, exploration etc			Litho units of the area belonging to Mansar Formation of Sauser Group having Precambrian age are exposed in the area showing N40oW-S40oE strike dipping with 40o to 80o towards NE.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Not proposed.	Open Cast-Working- Within main pit.	----
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	Soil-H-1.5mxw-1.5mxL- 220m OB-H-5 to 9mW-3to 5m L- 200m (including ore bench)	Entire Production of Mn ore was done by dump working.

2c	Stripping ratio or ore to OB ratio	Not proposed.	Not noticed.	----
2d	Quantity of topsoil generation in m3	Not proposed.	NIL.	----
2e	Quantity of overburden generation in m3	Not proposed.	NIL	----
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	----	3 types of Mn ore are noticed. Ist as bedded deposit which is found at the bottom of the old pit. IInd type as Float ore within soil and IIIrd type as Dump working. The mine is closed since last 7 years due to expiry of mining plan period.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not proposed.	ONE.	Old pit.
3b	Quantity of ROM mineral production proposed	Not proposed.	Nil	----
3c	Recovery of sailable/usable mineral from ROM production	Not proposed.	Not proposed.	----
3d	Quantity of mineral reject generation	Not proposed.	Not applicable.	----
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	----

3f	Quantity of sub grade mineral generation.	Not proposed.	Nil.	----
3g	Grade of sub grade mineral generation	Not applicable.	Not applicable.	----
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable.	Open cast manual.	As evident from old workings.
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 noticed during the inspection.	----
3k	Provision of mining machineries in mineral benches	Not proposed.	None.	----
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed.	Not applicable.	There is only one pit. Depth of this pit is only 3m.
3m	Total area covered under excavation/pits	Not proposed.	0.0825Ha (approx .Till date of inspection.	The pit was developed during last mining plan period.
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed.	Not noticed.	----
3o	Total area put in use under different heads at the end of year	Not proposed.	1.17 Ha (approx.)	----

3p	Production of ROM mineral during the last five year period as applicable	Not proposed.	13-14-Nil 14-15-Nil 15-16-Nil 16-17-Nil 17-18-Nil	Mining plan period expired in 2013-14. Violation under rule 11(4) is being pointed out.
3q	General remarks of inspecting officers on method of mining etc.	----	----	The mine is closed since last years. The Mining was done manually by open cast method.

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.	8 Nos. of old waste dumps.	----
4b	Location of topsoil, OB and mineral reject dumps	Not proposed.	Soil-Nil OB-In entire lease area. MR dump-Nil	----
4c	Number of dumps within lease area and outside of lease area	Not proposed.	08. within the lease area.	----
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	All dumps are within UPL.	----
4e	Number of active and alive dumps.	Not proposed.	All are Active Dumps.	----
4f	Number of dead dumps.	Not proposed.	3Nos.	----
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 applicable.	Not applicable.	----
4j	Number of settling ponds	Not proposed.	Nil	-----
4k	Specific comments of inspecting officer on waste dump management	----	----	The mine is closed since last 7years. 8Nos of waste dumps scattered in entire lease area have been noticed.

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.	Full extraction is yet to be done.	----
5b	Area under backfilling of mined out area	Not proposed.	None	----
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	None.	----
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil.	----
5e	General remarks of inspecting officers on backfilling and reclamation etc.	----	----	Presently, there is no matured land for reclamation and rehabilitation.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	----	Not submitted	----
6b	Area available for rehabilitation (ha) .	Not proposed.	Nil.	----
6c	afforestation done (ha).	Not proposed.	Nil.	----
6d	No. of saplings planted during the year	Not proposed.	Nil.	----
6e	Cumulative no .of plants	Not proposed.	Nil.	----
6f	Any other method of rehabilitation	Not proposed.	Nil.	----
6g	Cost incurred on watch and care during the year	Not proposed.	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 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.	----	----	Presently ,there is no matured land for reclamation and rehabilitation except reclamation and rehabilitation of mined out barrier zone.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed.	Grade wise sorting and sizing within the lease area.	As noticed from old stocks.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed.	Manual.	--Do--
7c	Different grade of mineral sorted out at mines.	Not proposed.	Mostly Ferro -Manganese and Silico Manganese grade.	----
7d	Any beneficiation process at mines .	Not proposed.	Not done.	----
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	----	As noticed from old dumps Sorting and sizing was done manually.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Not done	----
8b	Concurrent use or storage of topsoil	Not proposed.	--Do--	----
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	Dumps of waste rocks only.	----

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	None.	----
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Not done.	Presently, there is no matured land for reclamation and rehabilitation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	----	----	There are about 100 Nos. of old trees are present in the Lease area.
8g	Survival rate	Not proposed.	Not applicable.	----
8h	Water sprinkling on roads to control airborne dust	Not proposed.	Mine was closed. Hence not noticed.	----
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	Mining has been done on very small scale and about 100Nos. of old trees are present in the lease area. Hence aesthetic beauty is good.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to -Not submitted since opening of the mine. A.R. - Not submitted since opening of the mine.	-----	Violation under rule 45(5) (b) and (c) is being pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No	None.	--Do--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted.	Pit-0.0825Ha Dump-1.17Ha Backfilling- Nil	-----
9d	Scrutiny of Annual return on afforestation	Not submitted.	Nil.	About 100 Nos. of old trees.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted.	Nil	-----
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted.	90Tonnes (approx.) As on the date of inspection)	-----
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted.	Nil.	-----
9h	Scrutiny of Annual return on fixed assets	None.	Nil.	-----
9k	Scrutiny of Annual return on mining machineries	AR Not submitted.	Nil.	-----

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(4)	14-MAR-19	MCDR17	Rule 11(4)	14-MAR-19
MCDR17	Rule 28(1)	14-MAR-19	MCDR17	Rule 28(1)	14-MAR-19
MCDR17	Rule 45(5) (k)	14-MAR-19	MCDR17	Rule 45(5)	14-MAR-19
MCDR17	Rule 45(5) (c)	14-MAR-19	MCDR17	Rule 45(5)	14-MAR-19

Date :

(P. NAHAR)

Indian Bureau of Mines