

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KATNI/LST-135

Mine code : 38MPR47050

- (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 : 03-SEP-21
- (v) Prev.inspection date : 04-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMEHTA(10.016 H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station : VIJARAHHOGARH
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SMT. SUMITRA GROVER
correspondance : CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2510
(b) Lease area : 10.02
(c) Period of lease : 20
(d) Date of Expiry : 02-JAN-27
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SUMITRA GROVER
 CIVIL LINES KATNI MADHYA
 PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : SUMITRA GROVER
 CIVIL LINES KATNI MADHYA
 PRADESH
 Phone: N. A.
 FAX : N. A.

Mining Engineer

Name : S.K.BATTACHARYA, Full Time
 Qualification : Mines Foreman (Permit Manager)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27-MAR-06
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	26-SEP-08
	:	Mining Scheme rule 12 MCDR1988	04-SEP-12
	:	MP review under 17(1) MCR 2016	31-MAR-17

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	G1-10.01 ha	G1-10.01 ha	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1f	General remarks of inspecting officers on geology, exploration etc		1356685 tonnes	The lease area was already explored under G1

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to work quarry-2 and develop it towards north and south	quarry-2 was developed towards north and south	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil, overburden and mineral proposed	Separate benches in topsoil, overburden and mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:0.23	1:0.25	
2d	Quantity of topsoil generation in m3	13500	13400	

2e	Quantity of overburden generation in m3	9996	10000	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Quarry-2 was worked and development was carried out towards north and south. The orientation of the working was along E-W. The bench was in limestone inter bedded with shale.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	99960 tonnes	99750 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
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	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	drilling & blasting in mineral benches proposed	As per proposal	
3k	Provision of mining machineries in mineral benches	proposed	as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	B-1= 4.5; B-2=B-3=B-4= 6m	B-1= 4.5; B-2 & B-3=8m to 10m	Backfilling work is in progress.
3m	Total area covered under excavation/pits	5.47 ha	4.99 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.23	1:0.25	
3o	Total area put in use under different heads at the end of year	8.60 ha	8.002 ha	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 100020 2018-19 99900 2019-20 99960 2020-21 99960	2017-18 100020 26135 2018-19 99900 99800 2019-20 99960 99170 2020-21 99960 99750	

3q	General remarks of inspecting officers on method of mining etc.	Opencast other than fully mechanized method of mining has been adopted in the lease area . All operation of mining such as development, winning of ore, loading and transport has been carried out by utilising HEMM. Development was carried out from quarry-2 towards south and north.
----	---	--

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of topsoil and OB proposed	Separate dumping of topsoil and OB maintained	
4b	Location of topsoil, OB and mineral reject dumps	In southern portion of the lease area	In southern portion of the lease area	
4c	Number of dumps within lease area and outside of lease area	04	04	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	outside UPL	
4e	Number of active and alive dumps.	02	02	
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.		100 m of garland drain found but not maintained properly.	violation pointed out under rule 11(1) of MCDR 2017
4i	Length of Retaining wall or garland drain all along dumps	Length of garland drain not proposed.	100 m of garland drain found but not maintained properly.	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump management			

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 from mined out area proposed before starting backfilling	full extraction of mineral from mined out area starting backfilling	
5b	Area under backfilling of mined out area	1.51 ha	1.3 ha (approx..)	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	For plantation	For plantation	
5d	Total area fully reclaimed and rehabilitated	1.51 ha	1.3 ha (approx..)	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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).		Yearly PMCP report has not been submitted for the year 2020-21.	violation pointed out under rule 26(2) of MCDR 2017.
6b	Area available for rehabilitation (ha) .	1.51 ha	1.3 ha (approx..)	
6c	afforestation done (ha).		Yearly PMCP report has not been submitted for the year 2020-21.	violation pointed out under rule 26(2) of MCDR 2017.
6d	No. of saplings planted during the year		Yearly PMCP report has not been submitted for the year 2020-21.	violation pointed out under rule 26(2) of MCDR 2017.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	1.51 ha	1.3 ha (approx..)	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Backfilling is in progress. Yearly PMCP report has not been submitted for the year 2020-21. violation pointed out under rule 26(2) of MCDR 2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch proposed	ROM mineral dispatch adopted	
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 .	beneficiation process at mines not proposed	not done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal and utilization of topsoil proposed	topsoil generated utilised in plantation	
8b	Concurrent use or storage of topsoil	To be used for plantation	used for plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	to be used for backfilling	used for backfilling	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Backfilling proposed	Backfilling adopted	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Yearly PMCP report has not been submitted for the year 2020-21.	violation pointed out under rule 26(2) of MCDR 2017.
8h	Water sprinkling on roads to control airborne dust	Proposed	as per proposal	
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		MR submitted upto date. Annual Return for the year 2020-21 was not submitted.	Violation pointed out under rule 45(7) of MCDR 2017.
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

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 :

(ROBERT SIMON C)

Indian Bureau of Mines