

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/SATNA/LST.-115

Mine code : 38MPR35122

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. S K Dubey (Mine Manager), Mr. V.K. Patel (Mining
Official with
Designation
- (iv) Date of Inspection : 24-FEB-21
- (v) Prev.inspection date : 20-FEB-20

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATOORA (6.062 HA)**
- (b) **Registration NO.** : **IBM/5447/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : BHATOORA
Taluka : MAIHAR
Post office : AJWAIN
Pin Code : 485771
FAX No. : 07674232055
E-mail : nmdubashametha@gmail.com
Phone : 07674232055
- (f) Police Station : BADERA
- (g) First opening date : 21-JAN-77
- (h) Weekly day of rest : SUN
2. Address for : MAIHAR STONE AND LIME CO. PVT. LTD.
correspondance : SNAHA MILAN TELEPHONE EXCH. RD.
DHANBAD (JHARKHAND)
3. (a) Lease Number : MPR1745
- (b) Lease area : 6.06
- (c) Period of lease : 20
- (d) Date of Expiry : 20-JAN-17
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : MAIHAR STONE AND LIME CO. PVT. LTD.
 SNAHA MILAN TELEPHONE EXCH.
 RD. DHANBAD JHARKHAND
 DHANBAD JHARKHAND
 Phone:N. A.
 FAX :N. A.

Owner : MAIHAR STONE AND LIME CO. PVT. LTD.
 SNAHA MILAN TELEPHONE EXCH.
 RD. DHANBAD (JHARKHAND)
 DHANBAD JHARKHAND
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	09-JUN-99
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	13-JAN-05
		Mining Scheme rule 12 MCDR1988	05-NOV-09
		Mining Scheme rule 12 MCDR1988	18-JUL-13
		MP modif under 17(3) MCR 2016	23-JUN-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	area already explored in G1 axis	area already explored in G1 axis	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	nil	nil	
1e	Balance reserve as on 01/04/20	3.0959 million tonnes	3.0959 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			The occurrence of Limestone in the lease area is stratigraphically controlled and is associated with Semri group of Vindhyan super group. Rocks of this formation comprise of shale, Limestone and dolomite.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Quarry 2 towards North	Quarry 2 towards North	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	as per proposal	

2c	Stripping ratio or ore to OB ratio	1:0.11	1:0.11	
2d	Quantity of topsoil generation in m3	not proposed	nil	
2e	Quantity of overburden generation in m3	17496 cubic meter	11614 cubic meter	violation pointed out
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	148715 tonnes	98715 tonnes	violation pointed out
3c	Recovery of sailable/usable mineral from ROM production	not proposed	NA	
3d	Quantity of mineral reject generation	not proposed	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	not proposed	NA	
3g	Grade of sub grade mineral generation	NA	NA	

3h	Manual / Mechanised method adopted for segregating from ROM	not proposed	NA
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	not proposed	not done
3j	Provision of drilling and 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	proposed	as per proposal
3m	Total area covered under excavation/pits	3.53 ha	3.53 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.11	1:0.11
3o	Total area put in use under different heads at the end of year	3.9 ha	3.9 ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16-129479 2016-17-136095 2017-18-150110 2018-19 - 148298 2019-20- 148715	2015-16 - 53783 2016-17 - 80885 2017-18 -145935 2018-19 - 102560 2019-20 - 98715

3q General remarks
of inspecting
officers on
method of mining
etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	separate dump proposed for OB	as per proposal	
4b	Location of topsoil, OB and mineral reject dumps	western part of quarry 2	western part of quarry 2	
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)	outside UPL	outside UPL	
4e	Number of active and alive dumps.	01	01	
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.	proposed	Garland drain of 150 m were maintained	
4i	Length of Retaining wall or garland drain all along dumps	proposed	Garland drain of 150 m were maintained	
4j	Number of settling ponds	one	one	

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 up to UPL proposed	Full extraction of mineral up to UPL adopted	
5b	Area under backfilling of mined out area	0.8 ha	0.8 ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	to be used for plantation	used for plantation	
5d	Total area fully reclaimed and rehabilitated	0.8 ha	0.8 ha	
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).	proposed	not submitted	violation pointed out

6b	Area available for rehabilitation (ha) .	not proposed	not done
6c	afforestation done (ha).	not proposed	NA
6d	No. of saplings planted during the year	NA	NA
6e	Cumulative no .of plants	NA	NA
6f	Any other method of rehabilitation	NA	NA
6g	Cost incurred on watch and care during the year	NA	NA
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	not done
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	proposed	Number of trees planted during the year - 140 nos within lease
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA

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	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	as per proposal	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			yearly report in respect of rule 26(2) of MCDR 2017 has not been submitted for the year 2019-20. Violation pointed out for the same.

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 done	
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 .	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)	proposed	as per proposal	
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)	Separate dumps for overburden/waste rock proposed	Separate dumps for overburden/waste rock maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	adopted as per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	adopted as per proposal	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	not proposed	140 nos of trees planted during the year
8g	Survival rate	not proposed	80%(approx.)
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	proposed	A.R. Submitted upto 2019-20. M.R. Submitted upto april 2021.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	yes	Manager -Mr. Sharad Kumar Dubey Mining Engineer in charge -Shri Chandresh Kumar Mandal Geologist in charge - Shri S.Mazumdar	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Covered under current (O/C) Workings 3.530 Reclaimed/Rehabilitated 0.800 Occupied by plant, buildings, residential, welfare buildings & roads 0.150 Other Purpose (other) 1.582 Work done under progressive mine closure plan during the year 0.800	

9d	Scrutiny of Annual return on afforestation	yes	140 nos of trees planted during the year
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	nil	nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	nil	nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Ex-Mine Price for SMS grade limestone is Rs.374.41/tonne
9h	Scrutiny of Annual return on fixed assets	yes	Value of Fixed Assets (in Rs) 38.59 lakhs
9k	Scrutiny of Annual return on mining machineries	yes	BACK HOE 1.200 CUM 1 Non Electrical Opencast AIR COMPRESSOR 5.950 CUM/MN 2 Non Electrical Opencast DUMPER 16.000 TONNE 6 Non Electrical Opencast WATER TANKER 3000.000 LITRE 1 Non Electrical Opencast JEEP/TRACTOR 83.000 HP 1 Non Electrical Opencast

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(1)	05-APR-21			
MCDR17	Rule 26(2)	05-APR-21			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines