

**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 : **KQ06** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Mr. S K Dubey (Mine Manager), Mr. V.K. Patel (Mining  
Official with  
Designation
- (iv) Date of Inspection : 20-FEB-20
- (v) Prev.inspection date : 20-MAR-18

**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	Not proposed	Nil	
1b	Exploration over lease area for geological axis 1 or 2	G1 axis	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		Balance reserves as on 01.04.2019 Proved Mineral Reserve (111) - 1281973 Feasibility Mineral Resource ( 211) - 1767915	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Quarry 1 towards South & Quarry 2 towards North	Quarry 1 towards South & Quarry 2 towards North	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	The benches were found unsystematically developed and loose material was scattered in the small heaps at pit bottom.	Violation pointed out for the same.

2c	Stripping ratio or ore to OB ratio	1:0.39	1:0.39
2d	Quantity of topsoil generation in m3	9800 cum	9800 cum
2e	Quantity of overburden generation in m3	17447 cum	17446 cum
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	
3b	Quantity of ROM mineral production proposed	148298 Te	145000 Te	
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.	Not proposed	NA	
3f	Quantity of sub grade mineral generation.	Not proposed	NA	
3g	Grade of sub grade mineral generation	Not proposed	NA	

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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	NA	
3j	Provision of drilling and blasting in mineral benches	YES	YES	
3k	Provision of mining machineries in mineral benches	Manual	Manual	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	The benches were found unsystematically developed and loose material was scattered in the small heaps at pit bottom.	Violation pointed out for the same.
3m	Total area covered under excavation/pits	3.39 ha.	3.39 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.39	1:0.39	
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	2014-15 121780 Te 2015-16 129479 Te 2016-17 136095 Te 2017-18 150110 Te 2018-19 148298 Te	2014-15 30230 Te 2015-16 53782 Te 2016-17 80685 Te 2017-18 149717 Te 2018-19 145000 Te	

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

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	No separate dump proposed for OB . Dumping proposed at mined out area.	Dumping has been done at mined out area.	
4c	Number of dumps within lease area and outside of lease area	One	One	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumping proposed at mined out area with in lease	Dumping has done at mined out with in lease area	
4e	Number of active and alive dumps.	One	One	
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.	It was proposed to prepare and maintain garland drain and bund towards the sloping side in the south to siltation of low lying areas.	Garland drain and bunds were not maintained properly.	Violation pointed out for the same.

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4i	Length of Retaining wall or garland drain all along dumps	Not proposed	approx. 60m	
4j	Number of settling ponds	Two	Two	
4k	Specific comments of inspecting officer on waste dump management			garland drain and bund towards the sloping side in the south to siltation of low lying areas not maintained properly. Violation pointed out for the same.

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#### 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.	Backfilling done after full extraction of mineral	
5b	Area under backfilling of mined out area	0.15 ha.	0.15 ha. (30517 Te)	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use of top soil	Concurrent use of top soil	
5d	Total area fully reclaimed and rehabilitated	0.15 Ha	0.15 Ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			

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#### Progressive Mine Clousre Plan:

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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	Violation pointed out for the same.
6b	Area available for rehabilitation (ha) .	0.15 ha.	0.15 ha.	
6c	afforestation done (ha).	0.15 ha	0.15 ha	
6d	No. of saplings planted during the year	Not proposed	100 plants	
6e	Cumulative no .of plants	Not proposed	1500 sapling & plants	
6f	Any other method of rehabilitation	Not proposed	Not proposed	
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	8000 m3	8000 m3	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	5500 m3	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	plantation	100 plants	



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	not proposed	NA	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	NA	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Plantation	Plantation	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
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 2018-19. Violation pointed out for the same.

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch	ROM mineral dispatch
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	NA
7c	Different grade of mineral sorted out at mines.	Not proposed	NA
7d	Any beneficiation process at mines .	Not proposed	NA
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Concurrent use of top soil for plantation on backfilled area.	Concurrent use of top soil for plantation.	
8b	Concurrent use or storage of topsoil	Concurrent use	Concurrent use	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB is to be used for backfilling in the mined out area	OB used for backfilling in the mined out area
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Backfilling and restoration of land is on progress.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Plantation is being done in mined out area and waste land.
8g	Survival rate	Not proposed	approx 75 %
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		

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR from Apr-18 to Mar-19 and AR of year 2018-19 are to be submitted.	MR and AR submitted for the year 2018-19.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mr. S.K. Dubey - Mine's Manager Mining Engineer and Geologist have not been appointed as per provisions of rule.	Violation pointed out for the same.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	3.39 Ha	
9d	Scrutiny of Annual return on afforestation	Yes	0.15 Ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not proposed	No reject generation as per provided records.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Limestone Ore on 01/04/2019 was 2526.850 Tonne	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Production cost is Rs. 323.73/tone Ex-Mine Price is Rs. 374.41/tone Sale Value/tone is Rs. 374.41/tone	
9h	Scrutiny of Annual return on fixed assets	Yes	As per AR	
9k	Scrutiny of Annual return on mining machineries	Yes	1 Excavator, 2 Air Compressor, 4 Dumper, 1 Water Tanker, 1 Jeep/Tractor	

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**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)	13-APR-20			
MCDR17	Rule 26(2)	13-APR-20			
MCDR17	Rule 33	13-APR-20			
MCDR17	Rule 55(1) (1	13-APR-20			

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines