

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/KATNI/LST.291

**Mine code :** 38MPR47134

- (i) Name of the Inspecting : **SQ05** ) **DEEPAK SHARMA**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : R K Mishra,  
Official with  
Designation
- (iv) Date of Inspection : 07-FEB-20
- (v) Prev.inspection date : 13-OCT-17

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **DURGATI PIPARIA (41.39 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : DURGATI PIPARIA  
Taluka : DHIMAR KHEDA  
Post office : NIWAR  
Pin Code :  
FAX No. : NA  
E-mail : NA  
Phone : NA
- (f) Police Station : NIWAR
- (g) First opening date : 30-MAR-13
- (h) Weekly day of rest :
2. Address for :  
correspondance
3. (a) Lease Number : MPR2438  
(b) Lease area : 41.39  
(c) Period of lease : 20  
(d) Date of Expiry : 29-JAN-29
4. Mineral worked : DOLOMITE Main

## 5. Name and Address of the

Lessee : SHREE KAMAL LIME INDUSTRIES  
SHREE KAMAL LIME  
INDUSTRIES. STATION ROAD,  
KATNI KATNI MADHYA PRADESH  
Phone:  
FAX :

Owner : KAMAL LIME INDUSTRIE  
Prop. KISHORE KUMAR  
BAGARIA, STATION ROAD  
KATNI MADHYA PRADESH  
Phone: 07622-223767/22  
FAX : 07622-222771

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 26-SEP-14  
Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 09-MAY-18

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No explortaion was proposed for the reporting year	no exploration work carried out in the reporting year	
1b	Exploration over lease area for geological axis 1 or 2	lease area explore upto G2 level	22.65 hect needs to be explored upto G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	18.470 hect area explored upto G2 level	22.65 hect needs to be explored upto G1 level	
1e	Balance reserve as on 01/04/20	as on 01.04.2018 122-177131 222-402600 333-198750	as on 01.04.2019 122-157233 222-402600 333-198750	units are in tonnes
1f	General remarks of inspecting officers on geology, exploration etc			the ML area belongs to vindhyan super group, mineralisation of the area belongs to mahakaushal group of rocks comprisses of patches of dolomite and shales with limestone.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	workign was proposed in the southern portion of the ML area in continuation to the pit 1	working was in continuation to the pit 1 towards south direction	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	separate benches are formed in the top soil 1.5-2.0 meter and mineral benhces 4-6 meter	
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.02	
2d	Quantity of topsoil generation in m3	Nil	0	
2e	Quantity of overburden generation in m3	360 cu m	280 cu m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			workign was in the proposed location however the achievemnet ration is lower than proposal

#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	single pit no 1	single pit no 1`	
3b	Quantity of ROM mineral production proposed	3605 tonnes	2150 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	80 %	75-80%	
3d	Quantity of mineral reject generation	Not Proposed	Nil	

3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Nil
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil no generation
3g	Grade of sub grade mineral generation	Not Proposed	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Manula hand sorting proposed	manula hand sorting was adopted to segragate limestone from dolomite and waste
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	drilllign proposed	drilling proposed with jack hammer
3k	Provision of mining machineries in mineral benches	proposed	hemm is being used in mineral bench
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	suitable	as per approved mining plan
3m	Total area covered under excavation/pits	2.26 hect	1.83 hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02	1:0.02
3o	Total area put in use under different heads at the end of year	3.232 hect	1.7025 hect

3p	Production of ROM mineral during the last five year period as applicable	2014-15=5376 2015-16=5376 2016-17=5376 2017-18=5376 2018-19=3125 2019-20=3605	2014-15=5280 2015-16=5350 2016-17=5130 2017-18=5268 2018-19=2000 2019-20=2150	units are in tonnes
3q	General remarks of inspecting officers on method of mining etc.			Hemm is being used in mineral benches drilling is being doen with the jack hammer

### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	proposed	separate dumping of top soil and minerals are being done	
4b	Location of topsoil, OB and mineral reject dumps	in the noth east side of pit 1 and south side of the pit 1 adjacent to the workign area	top soil is being dumped in the north east side of the pit 1 and mineral is being stacked in the south to the pit 1 near to the workign area	
4c	Number of dumps within lease area and outside of lease area	three dumps	1-limestone, 1-dolomite and 1 of top soil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside the UPL	outside the UPL	
4e	Number of active and alive dumps.	three active dumps	three active dumps	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	not proposed	nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	not proposed	not proposed	

4i	Length of Retaining wall or garland drain all along dumps	not proposed	not proposed
4j	Number of settling ponds	Not Proposed	nil

#### 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	full extraction not done yet	
5b	Area under backfilling of mined out area	not proposed	full extraction of mineral is still under process	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	top soil is being used in plantation	
5d	Total area fully reclaimed and rehabilitated	Not proposed	nil no area fully excavated for the activity	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			no area in the ML is fully extracted for the activities

#### 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).	not proposed	nil	
6d	No. of saplings planted during the year	50 nos	20-25 nos	
6e	Cumulative no .of plants	100 nos	70-80 nos	
6f	Any other method of rehabilitation	not proposed	nil	
6g	Cost incurred on watch and care during the year	not proposed	nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP work done as per the proposal

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	grade wise sorting	grdae wise sorting is being done before dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual method adopted for grad wise sorting	
7c	Different grade of mineral sorted out at mines.	not proposed	nil	
7d	Any beneficiation process at mines .	not proposed	nil	

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	proposed	as per proposal soil is being used in planttaion as and when generated	
8b	Concurrent use or storage of topsoil	proposed	used in plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal separate dumping is being done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	no area fully excavated for the activity	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	as per proposal	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	proposed	as per proposal	
8g	Survival rate	90%	50-65 %	
8h	Water sprinkling on roads to control airborne dust	proposed	with water tanker	
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 and MR submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	not furnished	not furnished	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	furnished	furnished	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	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	not furnished	not furnished	
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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

**Date :**

**(DEEPAK SHARMA)**

Indian Bureau of Mines