

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-101

Mine code : 38MPR18133

- (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 : 14-SEP-21
- (v) Prev.inspection date : 25-FEB-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KACHGAWAN [7.42]**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : KACHGAWA
Taluka : VIJRAOGARH
Post office : DIWAN SIDING
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : THU
2. Address for : M/S N.M.DUBASH STONE & LIME CO.PVT.LTD.
correspondance : STATION ROAD, P.O. MAIHAR,
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR1987
(b) Lease area : 7.42
(c) Period of lease : 40
(d) Date of Expiry : 05-SEP-20
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : N.M.DUBASH STONE & LIME CO.PVT.LTD.
 STATION ROAD P.O. MAIHAR
 SATNA MADHYA PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : N.M.DUBASH STONE & LIME CO.PVT.LTD.
 STATION ROAD P.O. MAIHAR
 SATNA MADHYA PRADESH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	18-AUG-00
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26-SEP-14
		Mining Scheme rule 12 MCDR1988	13-APR-15
		MP modif under 17(3) MCR 2016	15-OCT-20

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	Nil	Nil	Mineralisation proved up to 12m by single working pit
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	No exploration was proposed for G1/G2 axis	3.22 Ha to be explored in G1level	
1e	Balance reserve as on 01/04/20		Balance reserve as on 01/04/2021, 111 - 0.99 MT	
1f	General remarks of inspecting officers on geology, exploration etc			No working carried out during the year. Based on the mineralisation established in working pits reserves/resources have been estimated. Only proved mineralized area by working pits to be considered.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no. 03& 04	Nil	violation pointed out under rule 11(1) of MCDR 2017.

2b	Separate benches proposed in topsoil, overburden and minerals (Rule 15)		Separate bench observed for top soil. Bench height of 6 to 7m previously maintained in limestone for systematic mining.	
2c	Stripping ratio or ore to OB ratio	1: 0.25	Nil	violation pointed out under rule 11(1) of MCDR 2017.
2d	Quantity of topsoil generation in m3	It was proposed to generate 850 m3 of topsoil.	Nil	violation pointed out under rule 11(1) of MCDR 2017.
2e	Quantity of overburden generation in m3	It was proposed to generate 18488 m3 of OB.	Nil	violation pointed out under rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development of the pit no. 03 and 04 were not carried out for production. Hence, violation pointed out under rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Nil	violation pointed out under rule 11(1) of MCDR 2017.
3b	Quantity of ROM mineral production proposed	It was proposed to produce 119530 tonnes of ROM.	Nil	violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	not proposed	Nil	
3d	Quantity of mineral reject generation	NA	NA	

3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Nil	
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	
3g	Grade of sub grade mineral generation	Not Proposed	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not done	
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	proposed	not carried out	
3k	Provision of mining machineries in mineral benches	Not proposed	No machinery found during the date of inspection	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM		Bench height found to be varying between 6 to 7m.	
3m	Total area covered under excavation/pits	5.4 ha	4.910 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.25	NA	violation pointed out under rule 11(1) of MCDR 2017.

3o	Total area put in use under different heads at the end of year	6.2 ha	5.78 ha	No excavation, production was carried out during the year.
3p	Production of ROM mineral during the last five year period as applicable	2016-17 62415 T 2017-18 75660 T 2018-19 96347 T 2019-20 142950 T 2020-21 119530 T	2016-17 Nil 2017-18 28000 T 2018-19 52430 T 2019-20 138746 T 2020-21 Nil	
3q	General remarks of inspecting officers on method of mining etc.			Open cast mechanised working proposed by using Excavator & dumper combination with drilling & blasting using wagon drill. Three different working pits were already developed & mineralisation proved up to approximate depth of 28mts. No production/working carried out in the year. Hence, violation pointed out under rule 11(1) of MCDR 2017.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate top soil, mine waste for backfilling & dumping proposed	Separate top soil, mine waste for backfilling & dumping previously maintained	

4b	Location of topsoil, OB and mineral reject dumps	eastern part of ML	eastern part of ML	
4c	Number of dumps within lease area and outside of lease area	two dump with in lease area	two dump with in lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within upl	within upl	
4e	Number of active and alive dumps.	Nil	Nil	
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.	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil	
4j	Number of settling ponds	one	one	
4k	Specific comments of inspecting officer on waste dump management			No production/working carried out in the year. Considerable amount of OB and top soil generated in the past were previously dumped at earmarked location. Some dumps have been merged.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction of Mineral proposed before start backfilling	Nil	No excavation, production was carried out during the year.
5b	Area under backfilling of mined out area	0.5 ha	0.25 ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Restoration of mined out area	Not done. It was proposed to generate 850 m3 of topsoil but no topsoil is generated.	Hence, violation pointed out under rule 11(1) of MCDR 2017.
5d	Total area fully reclaimed and rehabilitated	0.5 ha	0.25 ha	No excavation, production was carried out during the year
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No excavation, production and reclamation were carried out during the year. No topsoil is generated against the proposal of 850 m3 of topsoil . Hence, violation pointed out under rule 11(1) of MCDR 2017.

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).	To be submitted before 1st July of every year	Not submitted within time limit as per the provisions of Rule 26 of MCDR,2017	Violation under rule 26(2) of MCDR,2017 was issued.
6b	Area available for rehabilitation (ha) .	Nil	Nil	

6c	afforestation done (ha).	Not proposed	160 saplings planted
6d	No. of saplings planted during the year	Not proposed	160 saplings planted
6e	Cumulative no .of plants	not proposed	details not available
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Not Proposed	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	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)	Periodical Air, Water, Noise monitoring Proposed	Carried out as per the proposals	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Scope of PMCP work are well exists in the lease area as the limestone have been exhausted in some working pits. Very limited PMCP proposals were given in approved document. Also, Yearly PMCP report has not been submitted for the year 2020-21. Hence, 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 in the lease area.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Nil	
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			No excavation, production was carried out during the year. Hence no specific comments.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate stacking & utilization proposed	no topsoil is generated.	violation pointed out under rule 11(1) of MCDR 2017.
8b	Concurrent use or storage of topsoil	top soil to be stored for plantation on backfilled area.	not done as no topsoil is generated.	violation pointed out under rule 11(1) of MCDR 2017.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	previously maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	proposed	No excavation, production was carried out during the year.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed	No excavation, production was carried out during the year	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	Not available. Yearly PMCP report has not been submitted for the year 2020-21.	violation pointed out under rule 26(2) of MCDR 2017.
8g	Survival rate	Not proposed	50 % as per AR.	
8h	Water sprinkling on roads to control airborne dust	proposed	NA as no mining operations carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is not satisfactory as plantation not done up to mark. Also, no mining operations carried out.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	proposed	Monthly and annual returns submitted upto date.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	proposed	Manager Shri Vinod Kumar Patel Mining Engineer in charge Shri Vinod Kumar Patel Geologist in charge Shri Ratnesh Kumar Pandey	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	proposed	Covered under current (O/C) Workings 4.910 Reclaimed/Rehabilitated 0.250 Used for waste disposal 0.770	
9d	Scrutiny of Annual return on afforestation	proposed	Number of trees planted during the year 160 nos Survival rate in percentage 50.00	
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	proposed	Ex Mine Price - 407.81 per tonne. The details of taxes furnished in cost per tonne calculation in Part-VII are not matching with the amount submitted in the Part-III, Sl.No.5. In the cost per tonne calculation, the details of overhead cost is not matching with the amount submitted in the Part-III, Sl.No.6.	violation pointed out under rule 45(7) of MCDR 2017.
9h	Scrutiny of Annual return on fixed assets	Nil	The value of fixed assets is mentioned as nil.	violation pointed out under rule 45(7) of MCDR 2017.
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	

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
MCDR17	Rule 11(1)	27-SEP-21	22-NOV-21				
MCDR17	Rule 26(2)	27-SEP-21	22-NOV-21				
	Rule 45(7)	27-SEP-21	22-NOV-21				

Date :

(ROBERT SIMON C)

Indian Bureau of Mines