

**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 : **KQ06**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri. Vinod Kumar Patel, Manager
Official with
Designation
- (iv) Date of Inspection : 25-FEB-21
- (v) Prev.inspection date : 11-FEB-20

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	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	
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 reserve as on 01/04/2020: 111 - 0.99 MT	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration proposed to establish the mineral in depth. 06 boreholes are proposed in the year 2020-21& 2021-22 upto depth of 50m.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit no. 03& 04	Pit no. 03& 04	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1: 0.25	1: 0.27	

2d	Quantity of topsoil generation in m3	17340 m3	19000 m3	
2e	Quantity of overburden generation in m3	19060 m3	15000 m3	
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 done for production.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two	Two	
3b	Quantity of ROM mineral production proposed	142950 Tonnes	138746 Tonnes	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA
3j	Provision of drilling and blasting in mineral benches	YES	YES
3k	Provision of mining machineries in mineral benches	YES	YES
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES
3m	Total area covered under excavation/pits	5.26 Hect	4.91 Hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.27
3o	Total area put in use under different heads at the end of year	6.03 Hect	5.78 Hect
3p	Production of ROM mineral during the last five year period as applicable	2015-16 45937 T 2016-17 62415 T 2017-18 75660 T 2018-19 96347 T 2019-20 142950 T	2015-16 Nil 2016-17 Nil 2017-18 28000 T 2018-19 52430 T 2019-20 138746 T
3q	General remarks of inspecting officers on method of mining etc.		Opencast mechanised method is used for mining.

Solid Waste Management - Dumping:

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	Yes	Yes	
4c	Number of dumps within lease area and outside of lease area	One dump with in lease area	One 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.	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.	Not proposed	NA	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	NA	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management			Dumping of OB was done in 0.77 Hect area. The OB is proposed to backfilled in the mined out area. No dump in the end of conceptual period.

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 before start backfilling	Full extraction of Mineral before start backfilling	
5b	Area under backfilling of mined out area	0.5 Hect.	0.25 Hect.	Area not matured for backfilling.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Restoration of mined out area	Restoration of mined out area	
5d	Total area fully reclaimed and rehabilitated	0.5 Ha	0.25 Ha	Area not matured for backfilling.
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha) .	0.15 Hect	0.05 Hect	
6d	No. of saplings planted during the year	300 nos	100 nos	Area not matures for plantation.
6e	Cumulative no .of plants	NOT PROPOSED	NA	

6f	Any other method of rehabilitation	Not proposed	NA	
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	.5 Hect	0.25 Hect	Area not matured for backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Yes	Yes	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	0.15 Hect	0.05 Hect	Area not matured for backfilling
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	Not proposed	Nil	

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	NIL	NIL
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.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral Dispatch	142950 Tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines	NA	NA	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	ROM directly dispatched to sale.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Seperate removal of top soil for plantation	
8b	Concurrent use or storage of topsoil	Yes	top soil stored for plantation on backfilled area.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	OB used for backfilling in mined out area.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Backfilling done in the mined out area.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	Yes	

8g	Survival rate	80%	80%	
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	Yes	Plantation done in the 0.05 Hect area.	Area not matured for backfilling and plantation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly and annual returns submitted for the RY 2019-20	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Mining Engineer - Shri Vinod Kumar Patel Geologist - Shri Ratnesh Kumar Pandey	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	<p>(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.750 0.750</p> <p>(ii) Covered under current (O/C) Workings 0.000 4.100 4.100</p> <p>(iii) Reclaimed/Rehabilitated 0.000 0.250 0.250</p> <p>(iv) Used for waste disposal 0.000 0.520 0.520</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.100 0.100</p> <p>(vi) Other Purpose () 0.000 0.000 0.000</p> <p>(vii) Work done under progressive mine closure plan during the year 0.000 0.250 0.250</p>
9d	Scrutiny of Annual return on afforestation	Yes	600 saplings planted
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	ROM stock at mine head (in tonnes) as on 31.03.2020 19535.935 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex Mine Price - 401.21 per tonne Production cost - 336.21 per tonne
9h	Scrutiny of Annual return on fixed assets	Yes	

9k	Scrutiny of Annual return on mining machineries	Yes	WATER TANKER 3000.000 LITRE 1 No DUMPER 10.000 TONNE 8 Nos FRONT END LOADER 2.000 CUM 1 No AIR COMPRESSOR 325.000 CUM/MN 1 No
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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

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines