

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/11177/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-152

Mine code : 38MPR18092

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : I Dawande(QP) R K Mishra, Lessee Representative
Official with
Designation
- (iv) Date of Inspection : 28-APR-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHANDAN (7.205 HA)
- (b) Registration NO. : IBM/6898/2011
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : CHANDAN
Taluka : BADWAR
Post office : RUPONDH
Pin Code :
FAX No. : 07622-222771
E-mail : bagaria_group@rediffmail.co
Phone : 07622-223767/223730
- (f) Police Station : BADWARA
- (g) First opening date : 07-JUL-82
- (h) Weekly day of rest : SUN
2. Address for : PROP. SHRI KISHOR KUMAR BAGARIA
correspondance : STATION ROAD, KATNI (M.P.) 483501
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0224
- (b) Lease area : 5.6
- (c) Period of lease : 50
- (d) Date of Expiry : 26-MAR-32
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : KAMAL LIME INDUSTRIES
PROP.KISHORE KUMAR STATION
ROAD KATNI MADHYA PRADESH
Phone:07622-223767/223730
FAX :07622-222771

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 : Existing rule 11 MCDR1988 18-JAN-01
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 07-DEC-17

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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	G2-1.74 non mineralised-5.46	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G2-1.74 non mineralised-5.46	
1e	Balance reserve as on 01/04/20		122-361545	
1f	General remarks of inspecting officers on geology, exploration etc			As per MEMC Rules 2015 the limestone of the area comes under Bedded, Stratiform and Tabular deposits of Irregular Habit.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit -1	Pit -1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench for Overburden & mineral maintained proposed	Separate bench for Overburden & mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.03	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	1861	416	

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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	1	1	
3b	Quantity of ROM mineral production proposed	89254 T	10800 T	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	75%	75%	
3d	Quantity of mineral reject generation	Nil	Nil	
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	The manual method proposed for segregating mineral and waste from ROM proposed.	The manual method proposed for segregating mineral and waste from ROM done.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Yes	As per proposal	

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3k	Provision of mining machineries in mineral benches	Yes	Type of machinery Capacity of each unit No. of units Electrical/Non-Electrical (specify) Used in opencast/underground (specify) FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Details of Benches (Separately for mechanised and manual sections) In ore In OB/Waste (i) Number of Benches Mechanised 3 0 (ii) Average height (meters) Mechanised 6 0 (iii) Depth of the deepest working from adjacent ground (Meters)) Mechanised 7.5 0
3m	Total area covered under excavation/pits	Not specified	2.1 ha
3n	Ore to OB ratio for the pit/mine during the year.	1.0.02	1.0.03
3o	Total area put in use under different heads at the end of year	Not specified	2.409 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 13836 Tons 2018-19 -86426 Tons 2019-20 - 89568 Tons 2020-21 - 88444 Tons 2021-22 - 89524Tons	2017-18 - 10225 Tons 2018-19 -11200Tons 2019-20 - 10650 Tons 2020-21 - 10700 Tons 2021-22 - 10800Tons

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

It was proposed to carry out development cum production be from MRL 397-392m & 392-388m during the year 2021-22. But the depthwise development was lagging & the benches were developed upto 404 mRI only. Only 10800 tonnes ROM is produced against the proposal of 89524 tonnes for the year 2021-22. Overall excavation was found lagging behind approved proposals. 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 dumping of OB proposed	Separate dumping of OB maintained	
4b	Location of topsoil, OB and mineral reject dumps	Near boundary pillar no 13, Intermediate Pillar 12A & 12 B.	As per proposal	
4c	Number of dumps within lease area and outside of lease area	02 nos. of Dump proposed within lease area.	02 nos. of Dump proposed within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside UPL	outside UPL	
4e	Number of active and alive dumps.	02 nos. of Dump	02 nos. of Dump	
4f	Number of dead dumps.	Nil	Nil	

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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	NA	Nil
4j	Number of settling ponds	Not proposed	Not done
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.	Not proposed	Nil	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not mature to start backfilling process.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted
6b	Area available for rehabilitation (ha) .	Not proposed	Nil
6c	afforestation done (ha).	Not proposed	Not done.
6d	No. of saplings planted during the year	Not proposed	Not done.
6e	Cumulative no .of plants	Not proposed	Not done
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	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA

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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.			PMCP related proposals needed upgradation and hence incorporated in the latest approved document.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Dispatch after manual sizing and sorting of mineral proposed.	Dispatch after manual sizing and sorting of mineral done.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual sizing and sorting of mineral proposed.	manual sizing and sorting of mineral .	
7c	Different grade of mineral sorted out at mines.	Not specified	SMS GRADE	
7d	Any beneficiation process at mines	Not proposed	NA	

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The Manual sizing and sorting of mineral limestone done for SMS grade of limestone as proposed for the year 2021-22.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
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 done	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB dumping proposed	OB dumping done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	OB dumping proposed	OB dumping done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	Not available	
8g	Survival rate	Not specified	Nil	

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8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is moderate.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposed	MR and AR submitted online	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Manager Mratunjay Prasad Mining Engineer in charge Mratunjay Prasad Geologist in charge Shriniwas Mishra	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	given	Lease area (surface area)utilisation as at the end of year(hectares) Underforest Outsideforest Total (i) Already exploited & abandoned byopencast (O/C) mining 0.000 0.020 0.020 (ii) Covered under current (O/C)Workings 0.000 2.162 2.162 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 1.662 1.662 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.086 0.086 (vi) Other Purpose (Green belt)0.000 0.036 0.036	
9d	Scrutiny of Annual return on afforestation	given	25 nos of saplings	

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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	Given	SMS closing stock is 3665 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex mine price-Rs 320/- ,Sale value Rs 320/- T & cost of production given Rs 159.67/- T.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Given	Type of machinery Capacity of each unit No. of units Electrical/Non-Electrical (specify) Used in opencast/underground (specify) FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 1 Non Electrical Opencast

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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)	08-JUL-22			
MCDR17	Rule 34(3)	08-JUL-22			

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines