

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/7489/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LST.291

Mine code : 38MPR47134

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Shriniwas Mishra, Geologist, Shri Mritunjay Pras
Official with
Designation
- (iv) Date of Inspection : 18-OCT-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : DURGATI PIPARIA (41.39 HA)
- (b) Registration NO. : IBM/6898/2011
- (c) Category : A Mechanised
- (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. : 07622222771
E-mail : bagaria_group@rediffmail.co
Phone : 07622408167
- (f) Police Station : NIWAR
- (g) First opening date : 30-MAR-13
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : MPR2438
- (b) Lease area : 41.39
- (c) Period of lease : 50
- (d) Date of Expiry : 29-JAN-59
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

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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

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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		G2-18.11 HA UNEXPLORED- 23.28 HA	
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		G2-18.11 HA and UNEXPLORED Area- 23.28 HA to be explored in G1.	
1e	Balance reserve as on 01/04/20		122-129935 t(limestone)	
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	In southern portion of Pit-1	In southern portion of Pit-1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.09	1:0.11	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	1473	240	The lessee has yet to renew the EC for the said year for which the modification was approved.

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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	01	01	
3b	Quantity of ROM mineral production proposed	14736(LIMESTON E) 54670(DOLOMITE)	2100(LIMESTONE) 8200(DOLOMITE)	The existing EC capacity is 11000 tonnes only.The lessee has yet to renew the EC for the said year for which the modification of Mining plan was approved.
3c	Recovery of sailable/usable mineral from ROM production	100	100	
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	As per proposal	

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3k	Provision of mining machineries in mineral benches	Yes		FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast DUMPER 16.000 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		(i) Number of Benches Mechanised 3 nos ore (ii) Average height (meters) Mechanised 4m.
3m	Total area covered under excavation/pits	2.26 ha		1.976 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09		1:0.11
3o	Total area put in use under different heads at the end of year	4.75 ha		3.34 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 11075 2018-19 14719 2019-20 16980 2020-21 68982 2021-22 69406		2017-18 10876 2018-19 10600 2019-20 10250 2020-21 10300 2021-22 10300
3q	General remarks of inspecting officers on method of mining etc.			

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	

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4b	Location of topsoil, OB and mineral reject dumps	02 OB dumps at central part of the pit.	02 OB dumps at central part of the pit.
4c	Number of dumps within lease area and outside of lease area	02 within upl	02 within upl
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	02 within upl	02 within upl
4e	Number of active and alive dumps.	02	02
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.	Garland drain- 100 m	Garland drain-100 m
4i	Length of Retaining wall or garland drain all along dumps	Garland drain- 100 m	Garland drain-100 m.
4j	Number of settling ponds	Nil	Nil
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.	No backfilling proposed	Nil	
5b	Area under backfilling of mined out area	Not proposed	Nil	

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5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not mature enough to start backfilling.

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).	Yes	Submitted.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	10	20	
6e	Cumulative no .of plants	Nil	50 approx.	
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	

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6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
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)	Nil	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

 Mineral Conservation:

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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 done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Nil	
7c	Different grade of mineral sorted out at mines.	NOt proposed	Nil	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No beneficiation process at mines adopted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed	Separate dumps for overburden overburden maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No backfilling of OB proposed	Nil	

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	20 saplings done	
8g	Survival rate	Nil	80%	
8h	Water sprinkling on roads to control airborne dust	Yes		Water sprinkling on roads done.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The 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	Given	Returns 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 Shrinivas Mishra	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 1.976 1.976 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.281 0.281 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.100 0.100 (vi) Other Purpose (Green belt) 0.000 0.020 0.020
9d	Scrutiny of Annual return on afforestation	Given	(i) Number of trees planted during the year 20nos (ii) Survival rate in percentage 80.00
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	Given	Ex mine price SMS Rs.340.
9h	Scrutiny of Annual return on fixed assets	Nil	Nil

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9k	Scrutiny of given Annual return on mining machineries	FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast DUMPER 16.000 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

Date :

(ROBERT SIMON C)

Indian Bureau of Mines