

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/11179/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-79

Mine code : 38MPR18105

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : R K Mishra, (Lessee Representative), I.Dawande (QP)
Official with
Designation
- (iv) Date of Inspection : 28-APR-22
- (v) Prev.inspection date : 13-APR-17

PART-I : GENERAL INFORMATION

1. (a) Mine Name : CHANDAN (5.605 HA)
- (b) Registration NO. : IBM/6898/2011
- (c) Category : 'A'
- (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.c
Phone : 07622-223767
- (f) Police Station : BADWARA
- (g) First opening date : 25-OCT-82
- (h) Weekly day of rest : SUN
2. Address for : SHRI KISHOR KUMAR
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 Associated
DOLOMITE Main

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5. Name and Address of the

Lessee : KISHOR KUMAR
STATION ROAD KATNI MADHYA
PRADESH
Phone:07622-223730
FAX :07622-222771

Owner : KISHOR KUMAR
STATION ROAD KATNI MADHYA
PRADESH
Phone: 07622-223730
FAX : N. A.

6. Date of approval of Mining : MP modif under 17(3) MCR 2016 16-MAY-17
Plan/Scheme of Mining

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not specified	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Not specified	G2-1.10 unexplored-4.505	
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	Not proposed	G2-1.10 unexplored-4.505	
1e	Balance reserve as on 01/04/20	Not proposed	122-19136 T	
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	In pit 1	In pit 1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench for overburden & mineral proposed	Separate bench for overburden & mineral maintained	
2c	Stripping ratio or ore to OB ratio	1:0.09	1:0.13	
2d	Quantity of topsoil generation in m3	Not proposed	Not applicable	
2e	Quantity of overburden generation in m3	437	575	

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	4375 T	4300 T	
3c	Recovery of sailable/usable mineral from ROM production	90%	90%	
3d	Quantity of mineral reject generation	Not proposed	NA	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	NA	
3f	Quantity of sub grade mineral generation.	Not proposed	NA	
3g	Grade of sub grade mineral generation	Not proposed	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	manual	manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	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	Proposed	Type of machinery Capacity of each unit No. of units Electrical/Non-Electrical (specify) Used in opencast/underground (specify) 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	Details of Benches (Separately for mechanised and manual sections) In ore In OB/Waste (i) Number of Benches Manual 3 0 (ii) Average height (meters) Manual 2 0
3m	Total area covered under excavation/pits	Not specified	0.47 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09	1:0.13
3o	Total area put in use under different heads at the end of year		0.52 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 2590 T 2018-19 - 3885 T 2019-20 - 5392 T 2020-21 - 4766 T 2021-22 - 4375 T	2017-18 - Nil 2018-19 - Nil 2019-20 - 5300 T 2020-21 - 4700 T 2021-22 - 4300 T
3q	General remarks of inspecting officers on method of mining etc.		

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of OB proposed	Separate dumping of OB done	
4b	Location of topsoil, OB and mineral reject dumps	In central part of the lease	In central part of the lease	
4c	Number of dumps within lease area and outside of lease area	02 within lease	02 within lease	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	outside upl	outside upl	
4e	Number of active and alive dumps.	01	01	
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.	outside upl	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Waste generated is being dumped within the lease area.

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.	within the 7.5m barrier zone between the grid coordinates N (2621790 to 2621880) & E (453150 to 453250).	Nil	Violation pointed out under rule 11(1) of MCDR 2017.

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5b	Area under backfilling of mined out area	within the 7.5m barrier zone between the grid coordinates N (2621790 to 2621880) & E (453150 to 453250).	Not done	Violation pointed out under rule 11(1) of MCDR 2017.
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 specified	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			As per proposal, the backfilling was not carried out within the 7.5m barrier zone between the grid coordinates N (2621790 to 2621880) & E (453150 to 453250). 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).	yes	Submitted	
6b	Area available for rehabilitation (ha) .	Not specified	Not specified	
6c	afforestation done (ha).	Not specified	Not given	
6d	No. of saplings planted during the year	Not specified	50 nos	

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6e	Cumulative no .of plants	Not specified	Details not available
6f	Any other method of rehabilitation	Not specified	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
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	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
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

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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)	Yes	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	Rom Dispatched within Lease Area proposed.	Rom Dispatched within Lease Area.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	
7c	Different grade of mineral sorted out at mines.	Not specified	SMS	
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, only ROM dispatch.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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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)	OB dump proposed	OB dump maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB dump proposed	OB dump maintained	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	OB dump proposed	OB dump maintained	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	Nil	
8g	Survival rate	Not proposed	Nil	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is moderate and needs improvement

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Yes	MR and AR online submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	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 by opencast (O/C) mining 0.000 0.050 0.050 (ii) Covered under current (O/C) Workings 0.000 0.296 0.296 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.125 0.125 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 1.530 1.530 (vi) Other Purpose (Green belt) 0.000 0.060 0.060
9d	Scrutiny of Annual return on afforestation	Given	(i) Number of trees planted during the year 50 (ii) Survival rate in percentage 80.00
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil

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9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE) Grades Opening stockat mine head(in tonne) Production (intonne) Dispatchesfrom minehead(in tonne) Closingstock at mine head (intonne) Ex-mineprice(in ? PerTonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 841.283 4300.000 394.540 4746.743 320.00
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE) Grades Opening stockat mine head(in tonne) Production (intonne) Dispatchesfrom minehead(in tonne) Closingstock at mine head (intonne) Ex-mineprice(in ? PerTonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 841.283 4300.000 394.540 4746.743 320.00
9h	Scrutiny of Annual return on fixed assets	Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Given	ype ofmachinery Capacity ofeach unit No.ofunits Electrical/Non-Electrical (specify) Used in opencast/underground (specify) 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
MCDR17	Rule 11(1)	08-JUL-22			
MCDR17	Rule 34(1)	08-JUL-22			

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines