

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/7656/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST- 265

Mine code : 38MPR47093

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sh. Saurabh Singh Sisodia (Lease holder) & Vidyasagar
Official with
Designation
- (iv) Date of Inspection : 17-OCT-22
- (v) Prev.inspection date : 08-FEB-19

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHATAGAWAN SUNHERA (11.02)
- (b) Registration NO. :
- (c) Category : 'A' Category
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : SUNEHERA BHATAGAWA
Taluka : KATNI
Post office : BICHUWA
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station : MADHAVNAGAR
- (g) First opening date : 03-MAR-03
- (h) Weekly day of rest :
2. Address for : M/S SISODIIA KHANIZ UDYOG
correspondance : SATYENDRA BHAWAN, RAM NIWAS SINGH MARG,
KATNI (M.P.) 483501
3. (a) Lease Number : MPR2614
- (b) Lease area : 11.02
- (c) Period of lease : 50
- (d) Date of Expiry : 02-MAR-53
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

I/7656/2023

5. Name and Address of the

Lessee : SISODIIA KHANIZ UDYOG
SATYENDRA BHAWAN, RAM NIWAS
SINGH MARG, KATNI MADHYA
PRADESH
Phone:NA
FAX :NA

Owner : SISODIIA KHANIZ UDYOG
SATYENDRA BHAWAN, RAM NIWAS
SINGH MARG, KATNI MADHYA
PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22-NOV-00
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	29-NOV-11
		MP review under 17(1) MCR 2016	11-APR-17
		MP modif under 17(3) MCR 2016	08-APR-19

I/7656/2023

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	Not proposed	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	11.02 ha area already explored in G1	
1e	Balance reserve as on 01/04/20		111--1799682 (limestone) & 111-112215.44 (dolomite) as on 05/12/2022	
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	pit 1	pit 1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	As per proposal	
2c	Stripping ratio or ore to OB ratio	1:0.04	1:0.04	
2d	Quantity of topsoil generation in m3	1654	1200	
2e	Quantity of overburden generation in m3	706	686	

I/7656/2023

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	15000	14580	
3c	Recovery of sailable/usable mineral from ROM production	ROM dispatch proposed	ROM dispatched	
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.	NIL	NIL	
3g	Grade of sub grade mineral generation	NA	NA	
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	Not done	
3j	Provision of drilling and blasting in mineral benches	drilling & blasting proposed	No drilling and blasting reported as per submitted AR.	

I/7656/2023

3k	Provision of mining machineries in mineral benches	Trucks/tippers of 10t proposed from stacking yard to consignee's destination.	Trucks/tippers of 10t used as per records from stacking yard to consignee's destination.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	Number of Benches- 01 ore of Average ht 3 m and 01 OB of Average ht 1 m
3m	Total area covered under excavation/pits	1.953 Hect	1.740 hect
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.04
3o	Total area put in use under different heads at the end of year	3.21 ha	3.16 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 14751 T 2018-19 - NIL (Lapse period) 2019-20 - 14720 T 2020-21 - 14688 T 2021-22= 15000	2017-18 - 10348 T 2018-19 - NIL (Lapse period) 2019-20 - 14717 T 2020-21 - 11292 2021-22= 14580 T
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)	Separate dumping of topsoil & OB proposed	Separate dumping of topsoil & OB maintained	
4b	Location of topsoil, OB and mineral reject dumps	southwest part of the lease	southwest part of the lease	

I/7656/2023

4c	Number of dumps within lease area and outside of lease area	05 DUMPS WITHIN LEASE	05 DUMPS WITHIN LEASE
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside the UPL & within lease area.	Inside the UPL & within lease area.
4e	Number of active and alive dumps.	05	05
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	Not done
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not done
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.	Area not mature to start backfilling	Not done	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	not done	

I/7656/2023

5d	Total area fully reclaimed and rehabilitated	Not proposed	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not matured for backfilling due to part extraction of the mineral.

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).	proposed	Submitted	
6b	Area available for rehabilitation (ha) .	NIL	NIL	
6c	afforestation done (ha).	NIL	NIL	
6d	No. of saplings planted during the year	Nil	35 nos	
6e	Cumulative no .of plants	Not specified	100 approx.	
6f	Any other method of rehabilitation	Not proposed	Not done	
6g	Cost incurred on watch and care during the year	Not specified	No records	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	

I/7656/2023

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	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)	proposed	as per proposal
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

 Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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I/7656/2023

7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed	ROM dispatch done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not done	
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 Beneficiation process available at mines. ROM dispatch done.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of topsoil proposed	Separate removal of topsoil done	
8b	Concurrent use or storage of topsoil	Storage of topsoil proposed	Storage of topsoil done	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not done	

I/7656/2023

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not done	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	35 saplings planted in the lease area in the waste land.	
8g	Survival rate		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			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	Yes	Returns submitted online	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	given	Mining Engineer in charge J.L. SARAF Geologist in charge Sandip Some	

I/7656/2023

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 1.740 (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 1.109 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.180 (vi) Other Purpose (Green belt) 0.040 (vii) Work done under progressive mine closure plan during the year 0.000
9d	Scrutiny of Annual return on afforestation	yes	35 plants
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	Closing Stock of SMS grade Limestone is shown as 9906.498 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	yes	Ex-mine price (in Rs. Per Tonne) - 574.70. Cost of Production is Rs.349.01 per tonne
9h	Scrutiny of Annual return on fixed assets	Yes	Nil
9k	Scrutiny of Annual return on mining machineries	yes	DUMPER 16.000 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

I/7656/2023

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