

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/DOL-98

Mine code : 19MPR47022

- (i) Name of the Inspecting : **G005**) **SANJAY M. GIRHE**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07-FEB-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATAGAWAN SUNHERA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village :
Taluka :
Post office :
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 : SUN
2. Address for : M/S VIRENDRA SINGH & SONS
correspondance : SATYENDRA BHAWAN, RAM NIWAS SINGH MARG,
KATNI (M.P.)
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Associated
DOLOMITE Main

5. Name and Address of the

Lessee : VIRENDRA SINGH & SONS
 SATYENDRA BHAVAN, RAM NIWAS
 SINGH MARG, KATNI MADHYA
 PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : VIRENDRA SINGH & SONS
 SATYENDRA BHAVAN, RAM NIWAS
 SINGH MARG KATNI MADHYA
 PRADESH
 Phone: N. A.
 FAX : N. A.

Mining Engineer

Name : J.L.SARAF,Part Time
 Qualification : Diploma in mining & second class certifi
 Appointment/ : 18-NOV-02
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	22-NOV-00
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	21-AUG-06

MCDR INSPECTION REPORT

Bhatgawan Sunehra Lst & Dolomite Mine_17.44Ha_2018-19_Date of inspection 07.02.2020

1. Exploration

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
1a	Backlog of previous year	No proposal	Nil	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Nil	NA
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Exploration not carried out. About 2.31Ha explored in G1 level by way of working pits.	2.31 Ha area is proven up to depth of 10-11mts by working pits.
1e	Balance reserves as on 01.04.2020	Reserves in Tonnes Probable (122) -921255 Resources in tonnes Pre-Feasibility (222): 150243 Reserves position as per approved ROMP dtd 21.08.2020	Reserves in Tonnes Proved (111) -915550 Probable(122)-433650 Resources in tonnes Feasibility (221): Inferred(332)-386450 The balance reserves as per annual return 2018-19.	No additional reserves estimation done.
1f	General remarks of inspecting officer on geology, exploration etc.	Given mining lease area is explored by way of working pit only up to 10-11m. In past no systematic exploration was carried out by the lessee to covert resources in G1 level.		

2.0 Development

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
2a	Location of development w.r.t. lease area	No working proposals	No mine working carried out during the year	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposals	Not Applicable	Benches of 3 to 4m observed in limestone
2c	Stripping ratio or ore to OB ratio	No proposals	Not Applicable	Mine is non-working since 2010
2d	Quantity of topsoil generation in (cum)	No Proposed	Nil	Mine is non-working since 2010
2e	Quantity of overburden generation in m3	Not Proposed	Nil	Mine is non-working since 2010

2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are total 06 previously worked out pits in lease area of different dimensions. Maximum depth limestone worked out up to 11mts in pit-1 & 2. Previously opencast manual method of working was adopted.
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3.0 Exploitation

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
3a	Number of pits proposed for production	Not Proposed	Nil	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
3b	Quantity of ROM mineral production proposed	Not Proposed	No production carried out	Mine is non-working since 2010
3c	Recovery of salable/usable mineral from ROM production	Not Proposed	No production carried out	Mine is non-working since 2010
3d	Quantity of mineral reject generation	Not Proposed	Not Applicable	Mine is non-working since 2010
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not Applicable	Mine is non-working since 2010
3f	Quantity of sub-grade mineral generation	Not Proposed	Not Applicable	Mine is non-working since 2010
3g	Grade of sub-grade mineral generation	Not Proposed	Not Applicable	Mine is non-working since 2010
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not Applicable	Mine is non-working since 2010
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not Applicable	Mine is non-working since 2010
3j	Provision of drilling & blasting in mineral benches	Not Proposed	Not Applicable	Mine is non-working since 2010
3k	Provision of mining machineries in mineral benches	Not Proposed	Not Applicable	Mine is non-working since 2010
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	Not Applicable	
3m	Total area covered under excavation/pits	2.31 Ha area was proposed in approved SOM period i.e. 2005-06 to 2009-10	2.40Ha as on 01.04.2019 as per Annual Return 2018-19	
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Not Applicable	Mine is non-working since 2010
3o	Total area put in use under different heads at the end of year	As per the previous approved MMP Pits-2.31Ha Top soil stack-0.04 Mineral storage-0.05 Infrastructure-0.009Ha Road-0.30Ha As on 01.04.2019	Pits-2.40Ha OB/IB waste-0.32Ha Infrastructure-0.18Ha As on 01.04.2019 as Annual Return, 2018-19	Details as per approved documents
3p	Production of ROM mineral during last five-year period, as applicable	2015-16-: No Proposals	2015-16-: Nil	Lapse period no approved document between period 2010-11 to 2019-20
		2016-17-: No Proposals	2016-17-: Nil	
		2017-18-: No Proposals	2017-18-: Nil	
		2018-19-: No Proposals	2018-19-: Nil	
		2019-20-: No Proposals	2019-20-: Nil	
3q	General remarks of inspecting officer on method of mining etc.	Previously open cast manual method of mining was proactised. There are 06 working pits of different dimensions. Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	Not Applicable	Mine is non-working since 2010
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Not Applicable	Mine is non-working since 2010
4c	Number of dumps within lease area and outside lease area	Not Proposed	There are 03 OB dumps in the lease area	All dumps are located throughout the ML area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	All three OB dumps outside UPL	
4e	Number of active & alive dumps	Not Proposed	Three active OB dumps in the lease area	Mine is non-working since 2010
4f	Number of dead dumps	Not Proposed	No dead dumps existing in lease area	Mine is non-working since 2010
4g	Number of dumps stabilised	Not Proposed	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Not Applicable	
4j	Number of settling ponds	Not Proposed	Not Applicable	
4k	Specific comments of inspecting officer	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Not Applicable	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
5b	Area under backfilling of mined out area	Not Proposed	Not Applicable	Mine is non-working since 2010, No approved document/proposals
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Not Applicable	Mine is non-working since 2010, No approved document/proposals
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Not Applicable	Mine is non-working since 2010, No approved document/proposals
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20. Further, mining shall be carried out in all working pits & limestone not exhausted.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	To be submitted before 1st July of every year	Not Applicable	Mine is non-working since 2010

6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Not Proposed	Not Applicable	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not Proposed	Not Applicable	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Proposed	Not Applicable	Mine is non-working since 2010
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not Proposed	Not Applicable	Mine is non-working since 2010
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20.		

7.0 Mineral Conservation

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not Proposed	Not Applicable	Mine is non-working since 2010
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Proposed	Not Applicable	Mine is non-working since 2010
7c	Different grade of mineral sorted out at mines	Not Proposed	Not Applicable	
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20		

8.0 Environment

SN	Item	Proposals (2018-19)	Actual work (2018-19)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Not Applicable	Mine is non-working since 2010
8b	Concurrent use or storage of topsoil	Not Proposed	Not Applicable	Mine is non-working since 2010
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not Applicable	Mine is non-working since 2010
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Not Proposed	Not Applicable	Mine is non-working since 2010
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	Mine is non-working since 2010

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not Proposed	Not Applicable	Mine is non-working since 2010
8g	Survival rate	Not Proposed	Not Applicable	Mine is non-working since 2010
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Not Applicable	Mine is non-working since 2010
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Mining operation stopped since 2010 onwards & there was no approved document during the period 2010-11 to 2019-20. Naturally grown plants/trees have been noticed during mines inspection.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Monthly and Annual returns	M.R. submitted upto- January-2020 A.R. submitted upto- 2018-19	Annual Return for the year 2018-19 submitted within time limit.

S.N	Item	Details given in A.R. 2018-19	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Given	Mine is non-working since 2010 onwards	Mine is non-working since 2010 onwards but lessee regularly submitted the monthly and annual returns online
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Pits-2.40Ha OB/IB waste-0.32Ha Infrastructure-0.18Ha As on 01.04.2019 as Annual Return, 2018-19	
9d	Scrutiny of Annual return on afforestation	Not Given	Mine is non-working since 2010 onwards	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Not Given	Mine is non-working since 2010 onwards	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Given	Mine is non-working since 2010 onwards	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Not Given	Mine is non-working since 2010 onwards	
9i	Scrutiny of Annual return on fixed assets	Not Given	NA	
9k	Scrutiny of Annual return on mining machineries	Not Given	Mine is non-working since 2010 onwards	

- 10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - This inspection was carried out in connection with examination of draft Review of Mining Plan and during inspection no significant violations have been observed as mine was non-working since 2010 onwards.

Sanjay M. Girhe
Regional Mining Geologist
RO, Jabalpur
Dt: 20.12.2021
