

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

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-273

Mine code : 38MPR47086

- (i) Name of the Inspecting : **C004**) **ROBERT SIMON C**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri. Arif Ahmad(Lessee), Praveen rawat(Geologist)
Official with
Designation
- (iv) Date of Inspection : 27-JUN-23
- (v) Prev.inspection date : 12-MAY-21

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATAGAWAN SUNHERA (9.35**
- (b) Registration NO.** :
- (c) Category : A
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : BHATAGAWAN SUNHERA
Taluka :
Post office : Katni
Pin Code :483501
FAX No. :
E-mail :gnminerals@yahoo.com
Phone :9425160798
- (f) Police Station : Katni
- (g) First opening date : 25-JAN-02
- (h) Weekly day of rest : SUN
2. Address for : SHRI ARIF AHMAD
correspondance : GULBARI BUILDING, OPP. NAGAR NIGAM, KATNI (M.P.)
3. (a) Lease Number : MPR2486
(b) Lease area : 9.35
(c) Period of lease : 50
(d) Date of Expiry : 17-JAN-52
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : ARIF AHMAD
GULBARI BUILDING OPP. NAGAR
NIGAM, KATNI MADHYA
PRADESH
Phone: 9425160798
FAX :N. A.

Owner : ARIF AHMAD
GULBARI BUILDING OPP. NAGAR
NIGAM, KATNI MADHYA
PRADESH
Phone: 9425160798
FAX : NA

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20-DEC-01
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20-MAR-09
		Mining Scheme rule 12 MCDR1988	12-JUN-13
		Mining Scheme rule 12 MCDR1988	10-JUN-16
		Mining Review rule17(2) MCDR2017	02-JUL-21

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 specified	7.0655 ha is under G2 category.	
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	7.0655 ha G2 area.	
1e	Balance reserve as on 01/04/20	Not proposed	122-1515356 T	
1f	General remarks of inspecting officers on geology, exploration etc			The rock formations of the regions to which the present area falls is a part of Mahakaushal group of rocks of Palaeo-Proterozoic age. The Mahakaushal include dolomite, Limestone, phyllite and quartzites intruded by the epidiorite sills and quartz veins.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area 1	Northern portion of pit 1	Northern portion of pit 1	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral done	
2c	Stripping ratio or ore to OB ratio	1:0.02	Nil OB reported	Violation pointed out under Rule 11(1) of MCDR 2017.

2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	2709	Nil	Violation pointed out under Rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Nil OB generation is reported in AR against the approved proposal of 2709 m3 for the year 2022-23 distorting the stripping ratio. Violation pointed out under Rule 11(1) of MCDR 2017.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 nos	02 nos	
3b	Quantity of ROM mineral production proposed	128654 MT	145607 MT	Limestone production of 145607 metric tons was raised (as per annual return submitted), which is in excess of 16953 metric tons (13.17%) of limestone production against the approved proposal of 128654 metric tons during the year 2022-23. Violation pointed out under Rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
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.	Not proposed	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	
3j	Provision of drilling and blasting in mineral benches	proposed	Drilling & blasting in mineral benches done.	
3k	Provision of mining machineries in mineral benches	Yes	FRONT END LOADER 1.200 CUM 2 Nos DUMPER 16.000 TONNE 3 Nos DUMPER 10.000 TONNE 2 Nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Ht. of benches maintained as per proposals.	
3m	Total area covered under excavation/pits	Not proposed	2.92 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.02	Nil OB reported	Violation pointed out under Rule 11(1) of MCDR 2017.
3o	Total area put in use under different heads at the end of year		5.7 ha approx.	

3p	Production of	2017-18	85272	2017-18	24100
	ROM mineral	2018-19	95774	2018-19	24850
	during the last	2019-20		2019-20	66495
	five year period	100842		2020-21	99435
	as applicable	2020-21		2021-22	145607
		128654			
		2021-22			128654

3q	General remarks of inspecting officers on method of mining etc.	Limestone production of 145607 metric tons was raised (as per annual return submitted), which is in excess of 16953 metric tons (13.17%) of limestone production against the approved proposal of 128654 metric tons during the year 2022-23. Hence violation issued under rule 11(1) of MCDR 2017.
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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 done	
4b	Location of topsoil, OB and mineral reject dumps	01 temporary OB dump toward northern part of the lease area proposed	01 temporary OB dump toward northern part of the lease area found	
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	Within 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.	Not specified	garland drain: 100mx1x1m	
4i	Length of Retaining wall or garland drain all along dumps	Not specified	garland drain: 100mx1x1m	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump management			Nil OB generation is reported in AR against the approved proposal of 2709 m3 for the year 2022-23. Violation pointed out under Rule 11(1) of MCDR 2017.

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	Area not mature enough for backfilling	
5b	Area under backfilling of mined out area	Not proposed	Area not mature enough for backfilling	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil generartion proposed for the year	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not mature enough for backfilling & reclamation.

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) .	NA	NA	
6c	afforestation done (ha).	Nil	0.024 HA	
6d	No. of saplings planted during the year	200	60	Violation pointed out under Rule 11(1) of MCDR 2017.
6e	Cumulative no .of plants	Not proposed	Not provided.	
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	
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	
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.			As per the approved mining plan wherein it was proposed to carry out plantation of 200 plants/year but as per your submitted PMCP report only 60 plantation were done. Violation pointed out under Rule 11(1) of MCDR 2017.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch after grade wise sorting within lease area proposed	ROM mineral dispatch after grade wise sorting within lease area adopted	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Not specified	SMS	
7d	Any beneficiation process at mines	Not proposed	No beneficiation process at mines adopted.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No beneficiation process at mines adopted. ROM mineral dispatch after grade wise sorting within lease area done.

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	Not proposed	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 maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No backfilling proposed	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No backfilling proposed.	Only plantation done on 7.5 m barrier zone.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	NA	
8g	Survival rate	Not specified	75%	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on roads carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs improvement.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Submitted online.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer in charge: Shri.Abhaynath Prasad, B.Tech in Mining (DOA - 01/07/21) Geologist: Praveen Rawat: Shri Praveen Rawat, Msc Geology, (DOA - 15/08/21)	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 (ii) Covered under current (O-C) Workings 2.920 (iii) Reclaimed-rehabilitated 0.000 (iv) Used for waste disposal 1.400 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.540 (vi) Used for any other purpose (specify) GREEN BELT 0.800	
9d	Scrutiny of Annual return on afforestation	Given	60 saplings planted.	Violation pointed out under Rule 11(1) of MCDR 2017.
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	Closing stock at mine-head(SMS)-14616.880 T	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex-mine price(SMS)-Rs.505. Cost of production per tonne of ore-mineral produced-Rs.402.26.	
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets-(Rs. 225000)	
9k	Scrutiny of Annual return on mining machineries	Given	FRONT END LOADER 1.200 CUM 2 Nos DUMPER 16.000 TONNE 3 Nos DUMPER 10.000 TONNE 2 Nos	

Details of violations observed during current inspection and compliance position of violation pointed out
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Violation observed			Showcause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 11 (1)	11-JUL-23	11-OCT-23 PART (A) & (B)	11-OCT-23 PART (C)	20-NOV-23	07-FEB-24
Rule 33	11-JUL-23		11-JUL-23	20-NOV-23	07-FEB-24

Date :

(ROBERT SIMON C)

Indian Bureau of Mines