

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 :
Official with
Designation
- (iv) Date of Inspection : 12-MAY-21
- (v) Prev.inspection date : 01-JUN-07

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATAGAWAN SUNHERA (9.35)**
- (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. : NA
E-mail : NA
Phone : NA
- (f) Police Station : MADHAVNAGAR
- (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 : 20
- (d) Date of Expiry : 17-JAN-22
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:N. A.
FAX :N. A.

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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	It was proposed to carry out 12 boreholes during the proposal period 2016-17 to 2020-21	not done	violation pointed out under rule 11(1) of MCDR 2017.
1b	Exploration over lease area for geological axis 1 or 2	to bring 7.0655 ha under G2 category to G1	7.0655 ha is still under G2 category.	violation pointed out under rule 11(1) of MCDR 2017.
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	7.0655 ha under G2 category to be explored for G1	violation pointed out under rule 11(1) of MCDR 2017.
1e	Balance reserve as on 01/04/20	122 - 1.66 Million tonnes	122 - 1.66 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			no detailed exploration was carried out in the lease area and mineralization established in working pits was the only basis for reserves estimation. Exploration not done as per the MEMC rule 2015. violation pointed out under rule 11(1) of MCDR 2017.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	It was proposed to carryout development in only 02 pits(pit 1&pit 2) during the proposal period 2016-17 to 2020-21	during inspection 05 pits observed defeating the systematic & scientific development of the deposit.	violation pointed out under rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	maintained	
2c	Stripping ratio or ore to OB ratio	1:0.02	1:0.06	
2d	Quantity of topsoil generation in m3	nil	5170 tonnes	
2e	Quantity of overburden generation in m3	It was proposed to generate 2709 cubic meter of OB for the year 2020-21	6852 cubic meter of OB is achieved.	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			development was not as per approved proposals.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 nos	05 nos	violation pointed out
3b	Quantity of ROM mineral production proposed	128654 tonnes	99435 tonnes	violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	95%	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.	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	proposed	as per proposal	
3k	Provision of mining machineries in mineral benches	proposed	as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	proposed	It was proposed to carryout development in only 02 pits during the proposal period 2016-17 to 2020-21 but during inspection 05 pits observed defeating the systematic & scientific development of the deposit.	violation pointed out under rule 11(1) of MCDR 2017.
3m	Total area covered under excavation/pits	2.9 ha	2.4 ha	

3n	Ore to OB ratio for the pit/mine during the year.	1: 0.02		1: 0.06	
3o	Total area put in use under different heads at the end of year	3.86 ha		2.89 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17 2017-18 2018-19 2019-20 100842 2020-21 128654	81859 85272 95774	2016-17 2017-18 2018-19 2019-20 2020-21	24825 24100 24850 66495 99435
3q	General remarks of inspecting officers on method of mining etc.				Mining was not carried out in accordance with the approved scheme of mining.Hence violation cum showcause notice issued under rule 11(1) of MCDR 2017.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	as per proposal	
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 also spreading outside lease area found.	
4c	Number of dumps within lease area and outside of lease area	01 temporary dump within lease	01 temporary dump spreading outside lease area found.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	only temporary dump proposed	explorartion not carried out to establish upl.only temporary dump found
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.	garland drain proposed	garland drain: 100mx1x1m
4i	Length of Retaining wall or garland drain all along dumps	yes	garland drain: 100mx1x1m
4j	Number of settling ponds	01	01
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.	not proposed	area not mature enough for backfilling	
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)	no topsoil generartion proposed for the year	topsoil generated and used for plantation	

5d	Total area fully reclaimed and rehabilitated	nil	nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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	not submitted	violation pointed out under rule 26(2)
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	nil	nil	
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	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	nil	20 nos trees planted
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
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	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			

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	topsoil generartion not proposed for the year	topsoil generated & utilised for barrierzone plantation	
8b	Concurrent use or storage of topsoil	topsoil generartion not proposed for the year	topsoil utilised for barrierzone plantation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	01 temporary OB dump proposed	Separate dump for overburden maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	not proposed	01 temporary OB dump maintained	
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)	proposed	Number of trees planted during the year 20 nos Survival rate in percentage 80.00	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	proposed	Water sprinkling on roads carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	proposed	M.R. Submitted till May 2021 A.R. submitted till 20-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	proposed	Mining Engineer & Geologist not appointed	Violation pointed out under rule 55(1) (c) (i)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	yes	Covered under current (O/C) Workings - 2.321 Used for waste disposal - 1.214	
9d	Scrutiny of Annual return on afforestation	yes	Number of trees planted during the year within lease - 20 nos 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	yes	Ex-Mine price for SMS grade limestone - 505 Rs.	
9h	Scrutiny of Annual return on fixed assets	nil	nil	
9k	Scrutiny of Annual return on mining machineries	yes	FRONT END LOADER 1.200 CUM 2 Non Electrical Opencast DUMPER 16.000 TONNE 3 Non Electrical Opencast DUMPER 10.000 TONNE 2 Non Electrical Opencast	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	04-JUN-21			
MCDR17	Rule 26(2)	04-JUN-21			
MCDR17	Rule 45(7) (a)	04-JUN-21			
MCDR17	Rule 55(1) (1)	04-JUN-21			

Date :

(ROBERT SIMON C)

Indian Bureau of Mines