

I/24372/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST- 280

Mine code : 38MPR47101

- (i) Name of the Inspecting : **G007**) **RAGHUBIR SHARAN GARG**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Umesh Kushwaha, Mining Engineer of the mine.
Official with
Designation
- (iv) Date of Inspection : 26-DEC-23
- (v) Prev.inspection date : 06-JUN-08

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SEJHA (10.21 HA)**
- (b) **Registration NO.** : **IBM/10572/2012**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : Sejha
Taluka : Badwara
Post office : Nanhwara
Pin Code : 483501
FAX No. : 07622409266
E-mail : -vijay.guptavijay2017@ gma
Phone : 9425859367
- (f) Police Station : BADWARA
- (g) First opening date : 01-APR-90
- (h) Weekly day of rest : SUN
2. Address for : V.S.MINERAL (VIJAY KUMAR GUPTA)
correspondance : 38-A, DAYA NAGAR,
JABALPUR (M.P.) 482002
3. (a) Lease Number : MPR2480
- (b) Lease area : 10.21
- (c) Period of lease : 50
- (d) Date of Expiry : 02-APR-46
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

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5. Name and Address of the

Lessee : V.S.MINERAL
VIJAY KUMAR GUPTA 38-A,
DAYA NAGAR, JABALPUR
MADHYA PRADESH
Phone:9425859367
FAX:07622409266

Owner : V.S.MINERAL
VIJAY KUMAR GUPTA 38-A,
DAYA NAGAR, JABALPUR
MADHYA PRADESH
Phone:9425859367
FAX : 07622409266

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	01-APR-13
Plan/Scheme of Mining		MP modif under 17(3) MCR 2016	28-MAR-17
		MP review under 17(1) MCR 2016	12-MAY-21
		MP review under 17(1) MCR 2016	30-JUL-21

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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 proposed	NA	Lessee had completed proposed 15 core boreholes in two phases (8 boreholes during 2021-22 and rest 7 boreholes during 2022-23) against proposal 20221-22. But based on additional exploration GSR not submitted so far. Violation of rule 1294B) has included in VL.
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	NA	Lessee had completed proposed 15 core boreholes in two phases (8 boreholes during 2021-22 and rest 7 boreholes during 2022-23) against proposal 20221-22. With the above additional exploration entire mineralised area converted under G1 axis of UNFC.GSR not submitted so far accordingly violation of rule 12(4B) has been pointed out.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed	NA	Already explored under G1 level by putting 15 no. of proposed boreholes.

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1e	Balance reserve as on 01/04/20	As on 01/04/2023- 122-39737 tone 222-27627 tone	As on 01/04/2023- 122-64244 tone 222-27627 tone	There was an excess production reported in online AR of 2021-22 and accordingly, violation of rule 11(1) was pointed out. After that lessee had incorporated corrections in online AR which has not been accepted by MMS division till July,2023 resulting action had been kept abeyance till acceptance of revised AR.
1f	General remarks of inspecting officers on geology, exploration etc			Mineralized area had already been explored under G1 level by putting 15 no. of proposed boreholes, but based on additional exploration Geological study report has not been submitted by the lessee. violation of rule 12(4B) has been pointed out accordingly.

 Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	On pit no.2, located on southern part of the lease area.	As per proposal	Mining operation in the mine was found closed on the date of inspection.

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One mineral bench	One mineral bench.	Intercalations waste rock upto 30% of ROM volume envisaged in approved document . Thus, there is no envisagement separate bench of overburden and also in practical there is no separate bench for OB.
2d	Quantity of topsoil generation in m3	Not proposed	NA	-
2e	Quantity of overburden generation in m3	4543cum	4483cum	Given data is not realistic.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			There are 9 no. of pits scattered on M lease area with broken up area of about 2.925Ha and about 9mt working depth with top 449.854-439.17mRL.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Very little production in comparison to envisaged one. (In place of 26502 tone proposed one only 500tone actual production)
3b	Quantity of ROM mineral production proposed	26500 tone	500 tone	-
3c	Recovery of sailable/usable mineral from ROM production	70%	As per proposal.	
3d	Quantity of mineral reject generation	Not proposed	NA	-

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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	As per proposal	-
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	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	Yes	-
3m	Total area covered under excavation/pits	3.34hect (upto end of 2025-26)	2.65hect	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1:9	Reporting of less production and more OB/mine waste generation. Deviation pointed out through violation of rule 11(1) pointed out vide letter dated 08/01/2024

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3o	Total area put in use under different heads at the end of year	5.1758hect (upto plan period i.e upto 31/03/2026)	3.774hect		-	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 T 2019-20 T 2020-21 T 2021-22 T 2022-23 T	21794 25005 26502 25005 26502	2018-19 2019-20 2020-21 2021-22 2022-23	1970 T 2550 T 26502 T 26500 T 500 T	Production details as per annual returns
3q	General remarks of inspecting officers on method of mining etc.				On full scale mining operations in the mine are not being carried out since 2022+-23. In adjoining there is a big water tank resulting rush of water into the pit are more. Dewatering arrangement are not sufficient. Proposed method of mining is quite good as on date also but in last year as well as this year also mine was not operated on full scale probably due to less dewatering arrangements.	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)		m i n e r a l	eject dumps
4b	Location of topsoil, OB and		l r	

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OB/Mine waste material
proposed for construction of
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4c	Number of dumps within lease area and outside of lease area	Not proposed	NA	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	As per proposal.	-
4e	Number of active and alive dumps.	Not proposed	NA	-
4f	Number of dead dumps.	Not proposed	NA	-
4g	Number of dumps established.	Not proposed	NA	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	NA	-
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	NA	-
4j	Number of settling ponds	Not proposed	NA	-
4k	Specific comments of inspecting officer on waste dump management			30% of ROM mineral, mine waste is envisaged but in practical in higher quantity of Mine waste are being generated. The entire mine waste material is utilised in backfilling of already degraded statutory barrier zones and in making of bund around the lease area to restricts entry in mining lease area in the light of approved proposals..

Solid Waste Management - Backfilling:

Sl.No.

Item

MCDR-MiFLOLST/3/2023-JBP-IBM_RO_JBP
Propasals Actual work

RemarksPAGE : 10

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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed.	NA	-
5b	Area under backfilling of mined out area	Not proposed	NA	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	NA	-
5d	Total area fully reclaimed and rehabilitated	Not proposed	NA	*
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling and reclamation of mines out area was not proposed. However, backfilling of degraded 7.5m statutory barrier zone was proposed that too in year 2021-22 which has been found completed into some extent.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	PMCP report Submitted through email.	-
6b	Area available for rehabilitation (ha) .	Not proposed	NA	-
6c	afforestation done (ha).	250sqm	250sqm	-
6d	No. of saplings planted during the year	200 saplings	150saplings planted during the year.	75% of proposed one.

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6e	Cumulative no .of plants	760	150	-
6f	Any other method of rehabilitation	Not proposed	NA	-
6g	Cost incurred on watch and care during the year	Not proposed.	NA	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	NA	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	NA	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestat i on on backfilled area	Not proposed	NA	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	NA	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	NA	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestatio n	Not proposed.	NA	-

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Compliance of
rehabilitation
of waste land
within lease
(ii)Area
rehabilitation
(ha)

Not proposed. NA

-

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6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	NA	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Record of environmental monitoring were found maintained.	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Efforts made towards PMCP compliance and progressive closure operations were seen during inspection.

 Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	26502 tone	ROM dispatch- Nil Grade wise dispatch- 8618.000 cement grade.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-
7c	Different grade of mineral sorted out at mines.	SMS grade and cement grade limestone proposed to be sorted.	Sorting carried out as per the given proposals	-
7d	Any beneficiation process at mines	Not proposed	NA	-

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7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mineral is being conserved by grade wise sorting in the lease area. Limestone having 49% CaO (Max) & 4% SiO ₂ (Max) proposed to be sorted for steel Plants and rest non-plant grade (NPG) limestone proposed to be sell to the nearby cement plants.
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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	NA	There is no top soil generation in site selected for mining.
8b	Concurrent use or storage of topsoil	Not proposed as there is no top soil.	NA	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Generated mine waste / OB proposed for making of bund around the lease area.	As per proposal.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NA	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA	-

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 saplings proposed to be planted during the year	200 Nos. of saplings planted within lease area.	Survival rate of 60% achieved during the year.
8g	Survival rate	60%	60%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	Water tanker of 3KL capacity is provided for the purpose
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is not much satisfactory as plantation not done up to that extent. Hence, it was instructed to propose more nos. of sapling/year.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. submitted upto-Nov-2023 A.R. submitted upto- 2022-23	Both the returns submitted within stipulated time period.	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Shri Umesh Kushwaha, Mining Engineer and Shri Ashok Thakur Geologist.	Shri Umesh Kushwaha is having diploma in Mining Engineering. Considering scale of mining with the appointment compliance on rule 55 considered.

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	12. Lease area uti. as at the end of year (hec): (i) Already exploited and abandoned by opencast (O-C) mining 0.108 (ii) Covered under current (O-C) Workings 2.650 (iii) Reclaimed-rehabilitated 0.054 (iv) Used for waste disposal 0.846 (v) Occupied by plant, buildings, residential, and roads 0.066 (vi) Used for any other purpose (specify) Green belt 0.050	-
9d	Scrutiny of Annual return on afforestation	Given	150	ok
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Nil	ok
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	ROM stock-Nil Grade wise stock cement grade 62190.32 T	As per return 500tone limestone produced as a ROM during the year 2022-23 from the mine. There was no opening stock of ROM at mine head as reported in the AR. Beside this under grade wise dispatch {item no. 3(ii) } production of 26125tone limestone of cement grade is indicated. Discrepancies pointed out through violation of rule 45(7) of MCD Rule, 2017 vide letter dated 08/01/2024.

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Sale value and Ex Mine Price both are Rs. 250/- per tone & Cost of production Rs 247/60 per tonne	-																		
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets* 8800000/-	ok																		
9k	Scrutiny of Annual return on mining machineries	Given	<table border="0"> <tr> <td>Machine Capa.</td> <td>No.</td> <td></td> </tr> <tr> <td>DUMPER 16.000</td> <td>1</td> <td></td> </tr> <tr> <td>DUMPER 10.000</td> <td>2</td> <td></td> </tr> <tr> <td>PUMPS) 650.000</td> <td>1</td> <td></td> </tr> <tr> <td>W.TANKER 2000.000</td> <td>1</td> <td></td> </tr> <tr> <td>F. END LO.1.200</td> <td>1</td> <td></td> </tr> </table>	Machine Capa.	No.		DUMPER 16.000	1		DUMPER 10.000	2		PUMPS) 650.000	1		W.TANKER 2000.000	1		F. END LO.1.200	1		Machines are on much higher side.
Machine Capa.	No.																					
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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-JAN-24			
MCDR17	Rule 12(4)	08-JAN-24			
MCDR17	Rule 27(2)	08-JAN-24			
MCDR17	Rule 31(4)	08-JAN-24			
MCDR17	Rule 33	08-JAN-24			
MCDR17	Rule 34(1)	08-JAN-24			
MCDR17	Rule 45(7) (a	08-JAN-24			

Date :

(RAGHUBIR SHARAN GARG)

Indian Bureau of Mines