

## MCDR inspection REPORT

## Jabalpur regional office

Mine file No : MP/KTN/LST-237

Mine code : 38MPR47019

- (i) Name of the Inspecting : G006 ) AKASH ARUN MITTARWAR  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Anant Bagadia, Lessee Representative, Shri Uday Pandey  
Official with (Mining Engineer) & Shri Ramraj Kushwaha (Geologists)  
Designation
- (iv) Date of Inspection : 02-MAR-24
- (v) Prev.inspection date : 23-DEC-22

## PART-I : GENERAL INFORMATION

1. (a) Mine Name : AMEHTA (7.52 HECT.)
- (b) Registration NO. : IBM/5522/2011
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : MADHYA PRADESH
- District : KATNI
- Village : AMETHA
- Taluka : V.GARH
- Post office :
- Pin Code :
- FAX No. : 07622408889
- E-mail : msbgroup@rediffmail.com
- Phone : 07622408889
- (f) Police Station : VIJARAHHOGARH
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : SHRI KAILASH CHAND BAGARIA  
correspondance STATION ROAD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0220
- (b) Lease area : 7.52
- (c) Period of lease : 50 YEARS (27-MAR-95 TO 26-MAR-45)
- (d) Date of Expiry : 26-MAR-45
4. Mineral worked : LIMESTONE Main

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## 5. Name and Address of the

Lessee : SHRI MADHUSUDAN BAGARIA  
STATION ROAD KATNI KATNI  
MADHYA PRADESH  
Phone:09425330680/9893158602  
FAX :NIL

Owner : SHRI MADHUSUDAN BAGARIA  
M/S K.C.BAGARIA SONS  
STATION ROAD, KATNI MADHYA  
PRADESH  
Phone: 07622-223767/ 9  
FAX : 07622-222771

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	18-JUL-01
		Mining Scheme rule 12 MCDR1988	21-MAY-09
		Mining Scheme rule 12 MCDR1988	27-FEB-12
		Renewal under rule 24 MCR1960	25-JUN-15
		MP review under 17(1) MCR 2016	29-JUN-20

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**Exploration**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	02 nos. of core bore holes in the year 2020-21 & 02 nos. of core bore holes in the year 2021-22 were proposed.	4 Boreholes were drilled.	
1b	Exploration over lease area for Geological axis 1 or 2.	Potential Mineralised area explored up to G1 level.	Potential Mineralised area explored up to G1 level.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not specified.	Not specified.	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2023	Nil	Balance reserve as on 01/04/2023 – 1188116 tonnes	
1f	General remarks of Inspecting officer on geology, exploration etc.	4 no. of Core boreholes drilled in the year 2020-21 & 2021-22 up to depth of 30 m each having grid interval of 100 m. Form-I submitted.		

**Development**

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development was proposed towards north & south of the quarry	Mine development is found lagging with respect to proposal.	violation pointed out for the same under rule 11(1) of MCDR,2017
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate bench for top soil, Over burden & mineral proposed	Yes, Separate bench for top soil, Over burden & Mineral were found.	
2c	Stripping ratio or ore to OB ratio	1:0.19	Nil	
2d	Quantity of topsoil generation in m <sup>3</sup>	3368 cu.m	Nil	violation pointed out for the same under rule 11(1) of MCDR,2017
2e	Quantity of overburden generation in m <sup>3</sup>	9955 cu.m	Nil	violation pointed out for the same under rule 11(1) of MCDR,2017
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Mine development found lagging with respect to approved proposal; violation pointed out for the same under rule 11(1) of MCDR,2017		

Exploitation

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed (2022-23)	126140 tonnes	62150 tonnes	violation pointed out for the same under rule 11(1) of MCDR,2017
3c	Recovery of Salable/usable mineral from ROM production	The recovery of limestone about 70% from ROM proposed from existing pit.	Recovery of about 70% from ROM reported.	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	
3e	Grade of mineral reject generation and threshold value declared	Not proposed	Not applicable	
3f	Quantity of sub-grade mineral generation	Not proposed	Not applicable	
3g	Grade of sub-grade mineral generation	Not proposed	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches	proposed	as and when required	
3k	Provision of mining machineries in mineral benches	proposed	HEMM is being used in mineral benches for excavation and transportaion L&T-PC 210 Hydra excavator -01 Dumper 16 T -2 Dumper 10 T – 2 PUMP 650L/MN -01 Water tanker 2000 ltr -001	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Suitable for mining proposed in RMP	
3m	Total area covered under excavation /pits	4.95 hect.	4.95 hect.	
3n	Ore to OB ratio for the pit/mine during the year	1:0.19	Nil	
3o	Total area put in use under different heads at the end of year	Not specified	Covered under current pit - 4.95 hect. Waste Dump – 0.755 hect. Plant, Building - 0.214 hect. Green Belt - 0.224 hect.	
3p	Production of ROM mineral during	2018-19	120117 t	2018 -19 – 33338 t

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	last five-years period, as Applicable	2019-20	155003 t	2019 – 20 – 154197 t	2019-20
		2020-21	120572 t	2020-21 – 119733 t	2020-21
		2021-22	139798 t	2021-22 – 93445 t	2021-22
		2022-23	126140 t	2022-23 – 62150 t	2022-23
3q	General remarks of inspecting officer on method of mining etc	Category A mines having adopted mechanized method of mining.			

**Solid Waste Management-Dumping**

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Proposed	separate dumping for soil and waste/OB is being maintained in the ML area	
4b	Location of topsoil, OB & mineral reject dumps	towards the south eastern and north western portion of the ML area	As per proposal	
4c	Number of Dumps within lease area and outside lease area	05 dumps in the lease area.	As per proposal	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within the UPL	Within the UPL	
4e	Number of Active & Alive dumps	02	1-OB/waste and 1-Soil	
4f	Number of dead dumps	03	03	
4g	Number of dumps established	Not proposed	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposed	Constructed	
4i	Length of Retaining wall or garland drain all along dump	proposed	Along the dump and haul rod side	
4j	Number of settling ponds	Not proposed	not applicable	
4k	Specific comments of inspecting officer on waste dump management	separate dumping for soil and waste/OB is being maintained in the ML area.		

**Solid Waste Management-Backfilling**

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full extraction of mineral proposed	full extraction of mineral under progress up to the UPD	
5b	Area under backfilling of mined out area	Not Proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Nil	

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5d	Total area fully reclaimed & rehabilitated	Not Proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Full extraction of the Mineral under process no proposal for backfilling		

**Progressive Mine Closer Plan**

S.N.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 23E (2). Details should be given in the format as given in Annexure-20	Proposed	Submitted	
6b	i) Area available for rehabilitation (Ha)	Not proposed.	Not applicable.	
	ii) Afforestation done (ha.)	Not Proposed	Not Proposed	
	iii) No. of saplings planted during the year	80	150	
	iv) Cumulative no. of plants	Not specified	Not specified	
	v) Any other specific method of rehabilitation	Not proposed	Not applicable.	
	vi) Cost incurred on watch & care during the year	Not Specified.	Not given.	
	6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir Any other specific means	Not Proposed Not Proposed Not Proposed Not proposed Not proposed	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation Method of rehabilitation	Not proposed	Not Applicable	
6e	Compliance of Environment monitoring (core zone & bufferzone)	Proposed	Within prescribed limit.	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	It was observed during inspection that the lessee has been carrying out PMCP related works as per proposal.		

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Mineral Conservation

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or gradewise sorting within lease area	Grade wise sorting before Dispatch proposed	Grade wise sorting being done before dispatch	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual and Mechanical Both	Manual Method adopted for separation of Dolomite from Limestone; Mechanical Method adopted for Segregation of waste from Limestone	
7c	Different grade of mineral sort outat mine	Not Proposed	Nil	
7d	Any beneficiation process at mines	Not Proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Grade wise sorting is being done before dispatch		

Environment

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Proposed	as generated soil is used for plantation over barrier zone & bund.	
8b	Concurrent use or storage of topsoil	Proposed.	Top soil is used for plantation over barrier zone & bund.	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Separate dumping of waste and soil is found in the mine	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	proposed	Plantation along Barrier Zone were observed.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	with the use of of water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Needs improvements for aesthetic beauty in and around mine area		

Compliance of Rule 45:-

S.N.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted both Monthly and Annual Return	Submitted both Monthly and Annual Return	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist	Mining Engineer - Shri Uday pandey Geologist - Shri Ram Raj Kushwaha	

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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	covered under current pit - 4.95 hect. Waste Dump – 0.755 hect. Plant, Building - 0.214 hect. Green Belt - 0.224 hect.	
9d	Scrutiny of Annual return on afforestation	Yes	As per available records around 150 no's of trees planted during the year.	
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	ROM closing stock as on 31.03.2023 – 23882.339 tonnes of SMS grade	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	Ex mine price – 351.57 /- Cost of production – 285.06/-	
9h	Scrutiny of Annual return on fixed assets	Yes	2960604/-	
9k	Scrutiny of Annual return on mining machineries	Yes	HEMM is being used in mineral benches for excavation and transportaion L&T-PC 210 Hydra excavator -01 Dumper 16 T -2 Dumper 10 T – 2 PUMP 650L/MN -01 Water tanker 2000 ltr -001	

Details of Violations observed during current inspection and compliance position of violation pointed out:-

Rule – 11(1) of MCDR 2017 dated – 04/04/2024

Rule – 33 of MCDR 2017 dated – 04/04/2024

Name: Akash Arun Mittarwar

Designation: Assistant Mining Engineer

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