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**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/KATNI/LST-2

**Mine code :** 38MPR47078

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Shalendra Kumar Jain, Mining Engineer and manage  
Official with  
Designation
- (iv) Date of Inspection : 26-AUG-23
- (v) Prev.inspection date : 12-JUL-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **AMEHTA ( 12.934 HA)**
- (b) **Registration NO.** : **IBM/1218/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village :Amehta  
Taluka :  
Post office :Katni  
Pin Code : 483501  
FAX No. : N. A.  
E-mail : -ramchandgour2106@gmail.co  
Phone : 9575800465
- (f) Police Station : VIJARAHHOGARH
- (g) First opening date :11.05.1976
- (h) Weekly day of rest : SUN
2. Address for : M/S RAM CHANDRA BADRI PRASAD GAUR  
correspondance NADIPAR,KATNI (M.P.) 483501
3. (a) Lease Number : MPR0258  
(b) Lease area : 12.93  
(c) Period of lease : 50  
(d) Date of Expiry : 10-MAY-26
4. Mineral worked : LIMESTONE Main

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## 5. Name and Address of the

Lessee : RAM CHANDRA BADRI PRASAD GAUR  
NADIPAR KATNI MADHYA  
PRADESH  
Phone:  
9575800465  
FAX :N. A.

Owner : RAM CHANDRA BADRI PRASAD GAUR  
NADIPAR KATNI MADHYA  
PRADESH  
Phone:  
9575800465  
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	08-JUL-05
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	15-DEC-06
	:	Mining Scheme rule 12 MCDR1988	13-FEB-13
	:	MP modif under 17(3) MCR 2016	25-JAN-19

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## 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	Entire lease area already explored under G1 Level	NA	
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	NA	NA	
1e	Balance reserve as on 01/04/20	Nil	111-1059419 T	
1f	General remarks of inspecting officers on geology, exploration etc			The ML area belongs to Vindhyan Super Group of rocks in the Kymore Series of limestone in Katni district. Shale parting of few centimeter to more than one meter between timestone beds are featured in the region.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	West side of the quarry	West side of the quarry	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed 4.5m in top soil, 3.0m in shale & 5-6.5m in limestone.	proposed benches of 4.5m in soil, 3.0m in shale and 5.0 to 6.5m in limestone were observed.	
2c	Stripping ratio or ore to OB ratio	1:0.27	1:0.32	

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2d	Quantity of topsoil generation in m3	3991	Nil	During inspection it was observed that the proposed Topsoil have been previously excavated & utilised for plantation purposes.
2e	Quantity of overburden generation in m3	135937	130546	

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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	488470	402290	
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.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	

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3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not carried out
3j	Provision of drilling and blasting in mineral benches	Proposed with 3.0mX4.0mX6.0m blast design.	As per proposal drilling and blasting practices are in use.
3k	Provision of mining machineries in mineral benches	Hydr. Excavator 2.3cum 3Nos Atlas Copco 100mm 3 No. Dumper 25 tonner 19 Nos.	Hydr. Excavator 0.90cum 3Nos Atlas Copco 100mm 3 No. Dumper 25 tonner 16 Nos Pump 75lpm 01no.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes
3m	Total area covered under excavation/pits	Not specified	8.2 ha as per AR
3n	Ore to OB ratio for the pit/mine during the year.	1:0.27	1:0.32
3o	Total area put in use under different heads at the end of year		Mining-8.2 Infrastructur-0.6 Dump-3.06
3p	Production of ROM mineral during the last five year period as applicable	2018-19 164629 2019-20 550095 2020-21 546835 2021-22 521500 2022-23 488470	2018-19 156008 2019-20 50004.72 2020-21 164759 2021-22 403630 2022-23 402290

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	Separate dumping of OB done.	

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4b	Location of topsoil, OB and mineral reject dumps	Proposed	As per proposal	
4c	Number of dumps within lease area and outside of lease area	Two -Dumps within lease area.	Two -Dumps within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within ultimate pit limit.	Within ultimate pit limit.	
4e	Number of active and alive dumps.	02	02	
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.	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dumps	Not specified	Garland drain-800m	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer on waste dump management			Overall waste dump is being managed by dumping. In future sufficient mined out area will be available for backfilling which will accommodate OB waste material generated during mining as well as OB dumps to be rehandled for extension of pits upto the proposed pit limit.

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extraction of mineral proposed	Full extraction of mineral adopted	
5b	Area under backfilling of mined out area	0.2hect	0.2hect	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Proposed for topping over backfilled area	Proposed for topping over backfilled area	
5d	Total area fully reclaimed and rehabilitated	0.2hect	0.2hect	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Generated OB is dumped and also backfilled as per proposal.

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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	Yes	
6b	Area available for rehabilitation (ha) .	0.2hect	0.2hect	
6c	afforestation done (ha) .	0.2hect	0.2hect	
6d	No. of saplings planted during the year	600 nos	600 nos	
6e	Cumulative no .of plants	Not specified	NA	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	NA	NA	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	0.2hect	0.2hect
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.2hect	0.2hect
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.2hect	0.2hect
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



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6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Environmental monitoring carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Over all compliance of PMCP are acceptable.

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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 adopted.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual & Mechanised.	
7c	Different grade of mineral sorted out at mines.	Not specified	BF.	
7d	Any beneficiation process at mines	Not proposed.	Not adopted.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No beneficiation process at mines adopted.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Being carried out previously.	

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8b	Concurrent use or storage of topsoil	Proposed for plantation	Topsoil not generated.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for separate dumping of top soil and overburden	Separate dumping of overburden done.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	Dumping & backfilling done.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	About 0.2hect mined out area have been reclaimed and rehabilitated during the year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	PMCP report submitted.
8g	Survival rate	80%	75%
8h	Water sprinkling on roads to control airborne dust	Proposed	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 as in a large scale mining activities are going on in and surrounding of mining lease area since long back.

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**Compliance of Rule 45:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Returns submitted online	Returns submitted online
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager : Sh. S.K. Jain Mining Engineer in charge: Sh. S.K. Jain Geologist in charge : Akhilesh Patel
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 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 8.200 8.200 (iii) Reclaimed-rehabilitated 0.000 0.080 0.080 (iv) Used for waste disposal 0.000 3.060 3.060 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.600 0.600
9d	Scrutiny of Annual return on afforestation	Given	Trees planted- survival rate Description Within lease area Outside lease area i) Number of trees planted during the year 550 50 ii) Survival rate in percentage 75 85 iii) Total no. of trees at the end of the year 1100 2400
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 (in tonne) 55238.982 tonne.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Ex-mine price (Rs-Tonne)-317.36.

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9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (Rs. 22187845)
9k	Scrutiny of Annual return on mining machineries	Yes	BACK HOE 0.900 CUM 2 Non Electrical Opencast TIPPER 16.000 CUM 10 Non Electrical Opencast FRONT END LOADER 1.200 CUM 1 Non Electrical Opencast PUMPS (ELEC.) 75.000 L/MN 1 Electrical Opencast

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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

Date :

(ROBERT SIMON C)

Indian Bureau of Mines