

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-209

Mine code : 38MPR47040

- (i) Name of the Inspecting : **SQ23**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 24-DEC-19
- (v) Prev.inspection date : 11-DEC-18

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BADARI**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 30-NOV-92
- (h) Weekly day of rest : SUN
2. Address for : SHRI ASHOK KUMAR DUBEY
correspondance : NADI PAR, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0603
(b) Lease area : 10.25
(c) Period of lease : 10
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ASHOK KUMAR DUBEY
 & SMT.SUNITA & VIDHYA DEVI
 DUBEY NADI PAR, KATNI
 MADHYA PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : ASHOK KUMAR DUBEY
 & SMT.SUNITA & VIDHYA DEVI
 DUBEY, NADI PAR KATNI
 MADHYA PRADESH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	24-JAN-06
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26-FEB-08
		Mining Scheme rule 12 MCDR1988	06-JUN-12
		MP review under 17(1) MCR 2016	16-DEC-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for geological axis 1 or 2	NA	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserve as on 01/04/20	reserves as on 01.04.2019	111-1069821t,211-2406600	
1f	General remarks of inspecting officers on geology, exploration etc			THICK BED OF LIMESTONE.MINES IS WELL DEVELOPED IN BENCHES.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per Mining plan	As per Mining plan	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	6, YES	6, YES SEPERATE BENCHES ARE MADE.	
2c	Stripping ratio or ore to OB ratio	1:0.43	1:.44	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	17657	25750	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			MINE HAS BEEN DEVELOPED SYSTEMATICALLY IN BENCHES.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	103000 MT	79400 MT	
3c	Recovery of sailable/usable mineral from ROM production	NA	NIL	
3d	Quantity of mineral reject generation	NA	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NIL	
3f	Quantity of sub grade mineral generation.	NA	NIL	
3g	Grade of sub grade mineral generation	NA	NIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	

3j	Provision of drilling and blasting in mineral benches	YES	BEING DONE	
3k	Provision of mining machineries in mineral benches	Excavator, Tipper	Excavator, Tipper	
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	9.51HECT	9.51HECT	
3n	Ore to OB ratio for the pit/mine during the year.	1:.43	1:.44	
3o	Total area put in use under different heads at the end of year	TOTAL AREA- 9.68- PIT- 9.51, TOP SOIL STORE- .12, ROAD- .05, ALL IN HECT	TOTAL AREA :9.68-PIT- 9.51, TOP SOIL STORE- .12, ROAD- .05, ALL IN HECT	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 82688 2015-16 74157 2016-17 29156 2017-18 91991 2018-19 103000	2014-15 79900 2015-16 73700 2016-17 29000 2017-18 79495 2018-19 79400	
3q	General remarks of inspecting officers on method of mining etc.			Mining is done in BENCHES WHICH ARE WELL FORMED. EXCAVATOR IS USED AND TIPPERS ARE USED IN MINES. WATER SPRINKLING IS DONE.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	AS PER PROPOAL	
4b	Location of topsoil, OB and mineral reject dumps	YES, WITHIN PIT	AS PER PROPOSAL	
4c	Number of dumps within lease area and outside of lease area	1	1	Within Lease
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	NOT PROPOSED	NOT MADE.	
4f	Number of dead dumps.	1	1	
4g	Number of dumps established.	1	1	
4h	Whether Retaining wall or garland drain all along dumps are there.	NP	NOT DONE	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management			Only backfilling IS DONE.IT WAS NOT BEING DONE AT DESIGNATED POINT.VIOLATION WAS POINTED OUT.

Solid Waste Management - Backfilling:

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.	Yes	As per Scheme	
5b	Area under backfilling of mined out area	0.70	0.7	0.70 hect.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			BACKFILLING ON BARRIER IS BEING DONE.

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	yes	
6b	Area available for rehabilitation (ha) .	NA	NA	
6c	afforestation done (ha) .	NA	na	
6d	No. of saplings planted during the year	NA	na	
6e	Cumulative no .of plants	NA	na	

6f	Any other method of rehabilitation	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	0.70	0.70hect backfilling done	
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)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Barrier plantation is seen.backfilling has been done

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7d	Any beneficiation process at mines	No	No	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM Mineral dispatch.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Yes	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yea	Yes	
8g	Survival rate	0.80	0.80	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Water sprinkling is done. Barrier plantation is seen.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			Yes, submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information of Violation issued. geologists is not given		

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	9.51 ha.- Mining 0.050 ha.- Infrastructure 0.130 ha.- Green belt	
9d	Scrutiny of Annual return on afforestation		50 is given, 50 outside lease
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	The rejection 1400 T below grade 30% CaO	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		ROM - 79400 Tonne Stock - 444.840 Tonne
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex- mine price - 322 Rs. Cost of Production - 306.35 Tonne
9h	Scrutiny of Annual return on fixed assets		Own capital - 10276000 Loan - 5822000
9k	Scrutiny of Annual return on mining machineries	List of M/C given	Given

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)	18-FEB-20	25-MAR-21				
MCDR17	Rule 32(1) (c)	18-FEB-20	25-MAR-21				
MCDR17	Rule 53	18-FEB-20	25-MAR-21				

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines