

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

**MCDR inspection REPORT  
Jabalpur regional office**

**Mine file No :** MP/SATNA/LST-60

**Mine code :** 38MPR35146

- (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 : 26-DEC-19
- (v) Prev.inspection date : 10-DEC-18

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHATOORA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : SATNA  
Village : BHATOORA  
Taluka : MAIHAR  
Post office : BADERA  
Pin Code : 485771  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station : BADERA
- (g) First opening date : 26-FEB-73
- (h) Weekly day of rest : SUN
2. Address for : SHRI JITENDRA KUSHWAHA  
correspondance : ADRESH COLONY  
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0370
- (b) Lease area : 16.25
- (c) Period of lease : 20
- (d) Date of Expiry : 03-DEC-92
4. Mineral worked : LIMESTONE Main  
DOLOMITE Associated

## 5. Name and Address of the

Lessee : JITENDRA KUSHWAHA  
ADRESH COLONY KATNI  
MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : JITENDRA KUSHWAHA  
ADRESH COLONY KATNI  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining : Renewal under rule 24 MCR1960 06-DEC-12  
Plan/Scheme of Mining MP review under 17(1) MCR 2016 27-APR-17

## 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	G1	G1	
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	-	121- 2933281 TN 122-1870960 TN	
1f	General remarks of inspecting officers on geology, exploration etc	to do 4 bore holes for depth	not done.	The boreholes to check depth Persistence as in plan not done. 4 nos. limestone belongs to vindhyan supergroup dip around 10 degree strike ENE & WSW.VIOLATION GIVEN

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Location 1-E- (466650-780,N- 2664220-360), location 2- (E-4666780-467010,N2664220-270)between grid lines.	E-467010-040,2664200-2664340	working is done in different area.
2c	Stripping ratio or ore to OB ratio	1:0.36	1:0.37	

2d	Quantity of topsoil generation in m3	51552	50970	
2e	Quantity of overburden generation in m3	39900	35000	@1.7 cu.m./T
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Pit is developed. Working is being done from different place. Violation is given

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	399750	395000	
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	-	-	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	

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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 made	Yes made	
3k	Provision of mining machineries in mineral benches	Yes	Excavated, Tipper used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes 6 Mtr and 7.5 mtr	Suitable for mechanical mining	
3m	Total area covered under excavation/pits	8.5 hect	5.98 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.36	1:0.37	
3o	Total area put in use under different heads at the end of year	8.5 pit,dump 1.5	5.9 pit,1.5 dump.	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 400035 2018-19 399750	2017-18 400035 2018-19 395000	
3q	General remarks of inspecting officers on method of mining etc.			Mine is well developed. Mechanised mining is done. Production levels are good

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Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping proposal for of topsoil, OB and mineral rejects (Rule 32,33)	backfilling.	-	top soil sandy in nature used for backfilling /topping of waste backfilled in pit.
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In ultimate pit	old dump	Rehandling planned
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	NIL	NIL	
4g	Number of dumps established.	-	-	One old dump
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	at foot	200 mtr approx.	
4j	Number of settling ponds	-		
4k	Specific comments of inspecting officer on waste dump management			It will be rehandled and mined out. Terracing is maintained.

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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.	In the pit 1	In the pit 1	Aas per approved plan
5b	Area under backfilling of mined out area	6000 sq.m	5500 sq.m	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Being done	Only sandy soil is used.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The area of backfilling from one side of lease.

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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).	-	-	
6b	Area available for rehabilitation (ha) .	NA	NA	no proposal for mined out benches in PMCP.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	6000 sq. m	5500 sq. m	

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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)	Proposed	Being done but reports not available	Violation given
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Backfilling is in progress

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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 dispatch	Rom dispatch	Only sizing and sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	

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7d	Any beneficiation process at mines .	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The limestone after sizing is supplied to users

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	sandy soil used for backfilling	sandy soil used for backfilling	
8b	Concurrent use or storage of topsoil	yes concurrent use.	in use,soil sandy in nature	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	backfilling practised.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Being done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Being done	

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8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	barrier plantatation 20 trees ,200 M2 area	30 trees planted during 2018-19	
8g	Survival rate	70%	70%	
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			some plantation near mine office and boundary is observed

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	done	done	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Information given		forM H not submitted
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given pit - 5.918 Dump - 1.062 Infrastructure - 0.2	Within limits arae per FA table	
9d	Scrutiny of Annual return on afforestation	Yes, 30 trees planted	70 % survived	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Information given	No rejects generated	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	cost of production 271.00 Rs/ Tonne Ex mine price - 330 Rs/Tonne	cost of production 271.00 Rs/ Tonne Ex mine price - 330 Rs/Tonne	
9h	Scrutiny of Annual return on fixed assets	Yes information given	FA - 10470195	
9k	Scrutiny of Annual return on mining machineries			The list, make capacity of machines given in return

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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)	18-FEB-20			
MCDR17	Rule 55(1) (3)	18-FEB-20			

**Date :**

**(SANDEEP KUMAR SINGH)**

Indian Bureau of Mines