

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-87

Mine code : 38MPR18123

- (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 : 04-JUL-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KACHHGAON (1.821 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : KACHHGAON
Taluka : VIJAYRAGHAVGARH
Post office : DIWAN SIDING
Pin Code : 483880
FAX No. : 07622- 230466
E-mail : N. A.
Phone : 07622- 230388
- (f) Police Station :
- (g) First opening date : 13-JUL-84
- (h) Weekly day of rest : SUN
2. Address for : ANIL KUMAR NAGRATH
correspondance : BHARAT LIME CO., CIVIL LINES,
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0190
- (b) Lease area : 1.82
- (c) Period of lease : 10
- (d) Date of Expiry : 05-JUN-04
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ANIL KUMAR NAGRATH
 CIVIL LINES KATNI MADHYA
 PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : ANIL KUMAR NAGRATH
 BHARAT LIME CO. CIVIL LINES
 KATNI MADHYA PRADESH
 Phone: 07622- 230388
 FAX : 07622- 230466

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	13-JAN-95
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	09-AUG-00
		Mining Scheme rule 12 MCDR1988	09-AUG-00
		Mining Scheme rule 12 MCDR1988	22-JUL-05
		Renewal under rule 24 MCR1960	18-DEC-09
		MP modif under MCR 1960	12-APR-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	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	111 - 308434 211 - 678330	
1e	Balance reserve as on 01/04/20		111 - 308434 211 - 678330	AREA IS VERY SMALL.ALREADY A LARGE QUARRY EXISTS.RESERVES AS ON 01.04.2019
1f	General remarks of inspecting officers on geology, exploration etc			No exploration is prepared in review year; entire area - G1 1 - 5.0m - murum 1.5-6 m- murum + weathered rock. 6.0 - 39 m - Shale & Limestone bands

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit A	Pit A	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	maintained	
2c	Stripping ratio or ore to OB ratio	-	-	

2d	Quantity of topsoil generation in m3	0	0	
2e	Quantity of overburden generation in m3	5761 cu.m	0	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Benches are made in mines in OB and Limestone. No development or production done in year 2018-19. Poor demand /expiry of consent to operate.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	15770	0	
3c	Recovery of sailable/usable mineral from ROM production	Yes	Yes	
3d	Quantity of mineral reject generation	NA	NA	
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
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	Yes	done
3k	Provision of mining machineries in mineral benches	Only Trucks	Only Trucks
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Suitable
3m	Total area covered under excavation/pits	1.4104 ha	0.65 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.65	NIL
3o	Total area put in use under different heads at the end of year	1.414- PIT DUMP- 0.316	0.65 - PIT 0.620- DUMP
3p	Production of ROM mineral during the last five year period as applicable	2016-17 - 16592 2017-18- 15003 2018-19- 15770	2016-17 - 1100 2017-18- 350 2018-19- 0
3q	General remarks of inspecting officers on method of mining etc.		Benching has been done. Pit is developed. Excavati on of boundary seen, reported to SG.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No	No	No separate top soil (Soil+OB+Waste)
4b	Location of topsoil, OB and mineral reject dumps	South-Waste of lease, No reject	South-Waste of lease	
4c	Number of dumps within lease area and outside of lease area	2, 0	2, 0	No outside
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South- Waste	South- Waste	Dumps are rehandled
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	2	2	
4g	Number of dumps established.	2	2	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	-	-	
4k	Specific comments of inspecting officer on waste dump management			The present dumps are being rehandled for backfilling in plan proposal. The material is used to backfill/DO barrier plantations.

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.	Upto planned depth	yes	
5b	Area under backfilling of mined out area	NA	NA	No proposal in this year
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	yes	yes	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The area is very small. Old dumps are rehandled to the free area for mining /backfill in mined area.

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).	-	No	
6b	Area available for rehabilitation (ha) .	-	Nil	
6c	afforestation done (ha) .			no proposals under worked,mined out benches.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	No proposal in Review year.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	No proposal in Review year.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	NA	NA	No proposal in Review year.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	No proposal in Review year.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	No proposal in Review year.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	No proposal
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable	No proposal in Review year.

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Barrier in south has been filled up. Barrier plantation is seen

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM	ROM	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines.	Not Applicable	Not Applicable	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM ore is sent

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No	No	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No	for waste rock, O.B.	No rejects
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Applicable	Not Applicable	Not in this year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Yes	Not in this year
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10trees per year	Done	Northern part
8g	Survival rate	-	50%	
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			Plantation on barrier can be seen in mines. lease Area is very less total = 1.821 Ha

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Annual Returns submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No information given	No information given	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.821 area shown as Pit		
9d	Scrutiny of Annual return on afforestation	0	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	0	Given	no production
9f	Scrutiny of Annual return on ROM stock and/or graded ore	1349 t as stock	Production - Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price - 300 (SMS Grade), cost of production - 280	Ex mine price - 300 (SMS Grade), cost of production - 280	
9k	Scrutiny of Annual return on mining machineries	Given dumper 10 T capacity.	Given dumper 10 T capacity.	

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-OCT-19			
MCDR17	Rule 26(2)	18-OCT-19			
MCDR17	Rule 28(3) (c)	18-OCT-19			
MCDR17	Rule 33	18-OCT-19			
MCDR17	Rule 55(1) (3)	18-OCT-19			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines