

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LST-

Mine code : 38MPR47127

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 31-MAY-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANHWARA (2.19 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village : NANHWARA
Taluka : BADWARA
Post office : BADWARA
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI KARAN SINGH CHAUHAN
correspondance : STATION ROAD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2043
(b) Lease area : 2.19
(c) Period of lease : 20
(d) Date of Expiry : 24-JUN-23
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : KARAN SINGH CHOUHAN
STATION ROAD, KATNI
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : KARAN SINGH CHAUHAN
MINE OWNER STATION ROAD,
KATNI MADHYA PRADESH
Phone: NA
FAX : NA

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	25-JUN-12
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	15-OCT-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed	no exploration work carried out during the year	
1b	Exploration over lease area for geological axis 1 or 2	ML area explored upto G1 level	ML area already explored up to G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Mentioned	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	ML area explored upto G1 level	2.19 hect explored upto G1 level	
1e	Balance reserve as on 01/04/20	as on 15.10.2014 121-152573 221-119878 332-272451	as on 01.04.2019 121-112949.52 221-119878 332-272451	units in tonnes
1f	General remarks of inspecting officers on geology, exploration etc			ML area belongs to vindhyan super group of rocks, exploration already carried out upto G1 level

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	it was proposed to work in the north-western part of the ML area	working was in the said location with very slower rate	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed	separate benches in top soil of 1-1.5 meter and in mineral bench 1st 4-5 meter	

2c	Stripping ratio or ore to OB ratio	1:0.05	NA, low production	
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	
2e	Quantity of overburden generation in m3	202 cu m	NA due to less workign in the year	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Single pit working, advancement not as per proposal

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	single pit	single pit	
3b	Quantity of ROM mineral production proposed	5877 tonnes	170 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	95%	NA due to less production	
3d	Quantity of mineral reject generation	Not Proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Nil	
3f	Quantity of sub grade mineral generation.	Not Proposed	Nil	
3g	Grade of sub grade mineral generation	Not Proposed	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual method proposed	manual labors engaed for the segragation	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil	
3j	Provision of drilling and blasting in mineral benches	Not Proposed	only jack hammer is used	
3k	Provision of mining machineries in mineral benches	Not Proposed	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	as per approved mining plan hight and width suitable for manual mining	
3m	Total area covered under excavation/pits	1.37 hect	0.8110 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	NA due to less workign and production	
3o	Total area put in use under different heads at the end of year	1.9230	0.9310	
3p	Production of ROM mineral during the last five year period as applicable	2015-16=9975 2016-17=14250 2017-18=14762 2018-19=14950 2019-20=5877	2015-16=1580 2016-17=10011 2017-18=14618 2018-19=14824 2019-20=170	units in tonnes
3q	General remarks of inspecting officers on method of mining etc.			single pit manual working

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not Proposed	NA	
4b	Location of topsoil, OB and mineral reject dumps	Not Proposed	NA	
4c	Number of dumps within lease area and outside of lease area	Not Proposed	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	NA	
4e	Number of active and alive dumps.	Not Proposed	None	
4f	Number of dead dumps.	Not Proposed	None	
4g	Number of dumps established.	Not Proposed	none	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	NA	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	NA	
4j	Number of settling ponds	Not Proposed	NA	
4k	Specific comments of inspecting officer on waste dump management			there is no waste dumps in the lease area, soil deposition is negligible

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.	full extraction of mineral proposed	ful extraction mineral under process upto the UPD	
5b	Area under backfilling of mined out area	Not Proposed	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed	as and when generated soil is used in plantation over barrier zone	
5d	Total area fully reclaimed and rehabilitated	Not Proposed	No area mature enough for the activities	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Full extrctation of the mineral is under process, No area mature enough for the activities

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).	Proposed	Not submitted	
6b	Area available for rehabilitation (ha) .	Not Propsoed	Nil	
6c	afforestation done (ha) .	Not Proposed	Nil	
6d	No. of saplings planted during the year	20	Nil	
6e	Cumulative no .of plants	100	50	

6f Any other method of rehabilitation Not Proposed Nil

Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Generated soil is being used in planttaion on barrier zone	
8b	Concurrent use or storage of topsoil	proposed	in plantation	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	NA	
8g	Survival rate	80%	60-65%	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			needs improvements

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	AR Submitted 2020-21 MR submitted upto Sept 2021	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	submitted	furnished	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	<p>Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000</p> <p>(ii) Covered under current (O/C) Workings 0.000 0.811 0.811</p> <p>(iii) Reclaimed/Rehabilitated 0.000 0.000 0.000</p> <p>(iv) Used for waste disposal 0.000 0.000 0.000</p> <p>(v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.120 0.120</p> <p>(vi) Other Purpose (0) 0.000 0.000 0.000</p> <p>(vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000</p>
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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Furnished	Grades Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in . Per Tonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 0.000 0.000 0.000 0.000 0.00 (c) Chemical 0.000 0.000 0.000 0.000 0.00 (d) BF 0.000 0.000 0.000 0.000 0.00 (e) Cement 683.960 170.000 496.480 357.480 949.00
9h	Scrutiny of Annual return on fixed assets	Not Furnished	Not Furnished
9k	Scrutiny of Annual return on mining machineries	Not Furnished	B -cat Manual Mine

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

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines