

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LST-219

Mine code : 38MPR35151

- (i) Name of the Inspecting : **G005**) **SANJAY M. GIRHE**
Officer and ID No.
- (ii) Designation : Regional Mining Geologist
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 24-FEB-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATOORA (18 BHIGA)**
- (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 : BHATOORA
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station : BADERA
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : M/S HUKUM CHAND STONE LIME CO.
correspondance : POST BAX NO. 69, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0631
- (b) Lease area : 4.05
- (c) Period of lease : 10
- (d) Date of Expiry : 26-NOV-02
4. Mineral worked : LIMESTONE Main
DOLOMITE Associated

5. Name and Address of the

Lessee : HUKUM CHAND STONE LIME CO.
POST BAX NO. 69, KATNI
MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : HUKUM CHAND STONE LIME CO.
STATION ROAD KATNI MADHYA
PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining : Renewal under rule 22 MCR1960 12-JAN-99
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration was proposed during approved plan period 2020-21	No backlog of previous year	Mining operation stopped from 13.07.2000 for NOC from Forest Dept.
1b	Exploration over lease area for geological axis 1 or 2	Not Proposed	Nil	No systematic exploration carried out in ML area. Limestone mineralisation upto 21m by working pits only
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil	Mining operation stopped from 13.07.2000 for NOC from Forest Dept.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposals for exploration in 2020-21	Entire ML area of 4.046 Ha need to be converted in G1 axis	Area explored in G2 considered on the basis of working pits only
1e	Balance reserve as on 01/04/20	Proved (111) Reserves - 659250 As per last approved MP dtd 12.01.1999	Reserves in tonnes Probable (122) Reserves - 153441 Pre-feasibility Resources- 197524 As per last current approved MMP dtd 12.01.1999	Resources/reserves re-estimated as per the provisions of MEMC Rules, 2015
1f	General remarks of inspecting officers on geology, exploration etc	No Proposals	Mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was valid approved document	Lessee has not carried out detailed exploration in past as mine was non-operation since 13.07.2000. Limestone of ML area belongs to Semri series of Rohtas formation of lower vindhyan

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Proposals	Nil. In past two pits were deloped/worked out in past with dimensions of Pit-1: 141.7x 58x12m & Pit-2 : 66.8x36x17m	Mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposals	Nil. Bench height of about 6 to 8 m observed during inspection	Separate benches in mineral & OB were observed
2c	Stripping ratio or ore to OB ratio	Not Proposed	Nil	Mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
2d	Quantity of topsoil generation in m3	Not Proposed	Nil	Mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
2e	Quantity of overburden generation in m3	Not Proposed	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document	Nil. Mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document	In past two pits were deloped/worked out in past with dimensions of Pit-1: 141.7x 58x12m & Pit-2 : 66.8x36x17m. Deposit is bedded stratiform of regular habit.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
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3a	Number of pit proposed for production	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
3b	Quantity of ROM mineral production proposed	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
3c	Recovery of sailable/usable mineral from ROM production	Not Proposed	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
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	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Nil	Manual sizing, sorting may be required to segregate SMS & cement grade limesatone separately

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil	Beneficiation studt is not required in view of type of deposit
3j	Provision of drilling and blasting in mineral benches	Not Proposed	Nil	Drilling & blasting may be required in future mining operations.
3k	Provision of mining machineris in mineral benches	Not Proposed	Nil	HEMM deployment shall be required in future mining operations
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document
3m	Total area covered under excavation/pits	No Proposals	As on date total area under excavation is about 1.05Ha	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year
3n	Ore to OB ratio for the pit/mine during the year.	No Proposals	Nil	
3o	Total area put in use under different heads at the end of year	No Proposals	Nil	As on date area under mining-1.056 Ha, OB dumps- 0.59Ha, Instrastructure- 0.013Ha & Road- 0.081Ha

3p	Production of ROM mineral during the last five year period as applicable	No Proposals	During 5 yrs no production/dispatches occurred	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year
3q	General remarks of inspecting officers on method of mining etc.	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year
4b	Location of topsoil, OB and mineral reject dumps	No Proposals	All the four OB dumps are located towards northern-souther & eastern side	Location of dumps marked on Plate No-II
4c	Number of dumps within lease area and outside of lease area	No Proposals	Total 04 nos of OB dumps within ML area	No OB dumps encountered outside ML area
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposals	All OB dumps within outside ULP	Dumps locations marked on plate no-II of surface plan

4e	Number of active and alive dumps.	No Proposals	None of the active dumps in ML area	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was valid approved document for the year.
4f	Number of dead dumps.	Not Proposed	NA	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
4g	Number of dumps established.	No Proposals	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	No Retaining wall, garland drain all along dumps noticed	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed	Not observed	
4j	Number of settling ponds	Not Proposed	Nil	No settling pond observed during inspection
4k	Specific comments of inspecting officer on waste dump management	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Proposals	None of the pits fully mineral extracted	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year
5b	Area under backfilling of mined out area	No Proposals	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year	None of the pits area backfilled so far now
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposals	Nil	No top soil dumps noticed in ML area
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	No area has been fully reclaimed & rehabilitated
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.

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).	To be submitted before 1st July of every year	Not submitted	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.

6b	Area available for rehabilitation (ha) .	Not Proposed	Nil	No area is available for rehabilitation
6c	afforestation done (ha).	No Proposals	Nil	
6d	No. of saplings planted during the year	No Proposals	No saplings planted during the year 2020-21	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
6e	Cumulative no .of plants	No Proposal	Nil	No details on cumulative plantation
6f	Any other method of rehabilitation	Not Proposed	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Proposed	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Not Proposed	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Proposed	Nil	Most of the ML area is mineralised
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not Proposed	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
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Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposals	Nil	Manual method of sizing & sorting shall be practised in future mining operations
7c	Different grade of mineral sorted out at mines.	No Proposals	Nil	Grade wise sorting is needed for separation of SMS & cement grade limestone
7d	Any beneficiation process at mines .	No Proposals	Nil	Only grade wise manual sizing & sorting shall be required
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No Proposals	Nil	By systematic mining & sizing, sorting of ROM, mineral conservation can be achieved effectively

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Proposals	Nil	Separate removal of top soil shall be carried out during the course of mining if encountered.
8b	Concurrent use or storage of topsoil	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposals	Nil	Separate dumping of OB, waste rock shall be required during course of mining
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposals	Nil	Details of plantation not available as the mine was non-operational since long back
8g	Survival rate	Not Proposed	Nil	Nil

8h	Water sprinkling on roads to control airborne dust	No Proposals	Nil	Provisions has to be made in further course of mining operations
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No Proposals	Nil	No Proposals as mining operation stopped from 13.07.2000 for NOC from Forest Dept. & there was no valid approved document for the year.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. submitted upto- Feb-22 A.R. submitted upto- 2020-21	Annual Return for the year 2020-21 was submitted within time limit & monthly returns also being submitted online in stipulated time.	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Given	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept., hence appointments of statutory persons not made.	Non-working mine since long back
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Already exploited & abandoned by opencast (O/C) mining-0.219Ha, Opencast working- 0.796Ha, Waste dumps- 0.591Ha, Infrastructure- 0.015Ha	As per annual returns 2020-21
9d	Scrutiny of Annual return on afforestation	Not Given	Nil	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept., hence no works carried out

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Given	Nil	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Given	Nil	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not Given	Nil	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept.
9h	Scrutiny of Annual return on fixed assets	Not Given	Nil	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept.
9k	Scrutiny of Annual return on mining machineries	Not Given	Nil	Mining operation were stopped from 13.07.2000 for NOC from Forest Dept.

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 :

(SANJAY M. GIRHE)

Indian Bureau of Mines