

**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-166

Mine code : 38MPR47070

- (i) Name of the Inspecting : **SQ05**) **DEEPAK SHARMA**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : QP Sandipan Sarkar
Official with
Designation
- (iv) Date of Inspection : 25-SEP-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PADREHI (2.500 H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : PADREHI
Taluka : VIJAYRAGHAVGARH
Post office : KHIRWA
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 01-OCT-90
- (h) Weekly day of rest :
2. Address for : SHRI M.L.BHASIN
correspondance SHIVDHAM, SIHORA ROAD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0002
(b) Lease area : 2.5
(c) Period of lease : 20
(d) Date of Expiry : 15-AUG-10
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M.L.BHASIN
SHIVDHAM, SIHORA ROAD,
KATNI MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : M.L.BHASIN
SHIVDHAM, SIHORA ROAD,
KATNI MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 24-JAN-08
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 08-DEC-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal was given for teh reporting year 2019-20.	No work done as the mine was not in operation.	
1b	Exploration over lease area for geological axis 1 or 2	Up to G1 level	Exploration done over the lease area up to G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Available	Details for exploration agencies not firnshed	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area explored upto G1level	Total lease area in 2.50 hect, already explored upto G1 level	
1e	Balance reserve as on 01/04/20	as on 08.12.2016 121 & 122= 321445 tonnes 221 & 222 = 67281 tonnes	as on 15.10.2020 121 & 122= 321445 tonnes 221 & 222 = 67281 tonnes	no production reported, mine was not in operational
1f	General remarks of inspecting officers on geology, exploration etc			Limestone of the area belongs to rohtas formation of semri group of rocks of vidhyan super group, limestone of the area is light grey to dark grey in colour.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	pit no 1 (single pit working), from south to north direction	Development work not carried out as the mine was closed.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Soil bench 3.00 meter, limestone bench 4.5 - 5.00 meter	No development work carried out, earlier old benches are intact.
2c	Stripping ratio or ore to OB ratio	1:0.006	Zero (0)
2d	Quantity of topsoil generation in m3	5637 cubic meter	Zero (0)
2e	Quantity of overburden generation in m3	0-Nil	0-Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		open cast manula method of mining was proposed, however work not carried out as per proposal given, for want of EC. Mine was not in operation since last three years.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit workign was proposed	Old single pit, no work carried out	
3b	Quantity of ROM mineral production proposed	23499 tonnes	Nil-0	
3c	Recovery of sailable/usable mineral from ROM production	23499 tonnes	Nil-0	
3d	Quantity of mineral reject generation	Nil-0	Nil-0	
3e	Grade of mineral rejects generation and threshold value declared.	Nil-0	Nil-0	

3f	Quantity of sub grade mineral generation.	Nil-0	Nil-0	
3g	Grade of sub grade mineral generation	Nil-0	Nil-0	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual method of mining proposed	Mine is closed, not operation since last three years	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not Applicable	
3j	Provision of drilling and blasting in mineral benches	Proposed on contractual basis	Not done	
3k	Provision of mining machineries in mineral benches	Proposed on hiring basis	Not done	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	height of benches soil & mineral benches are suitable for proposed mining method	Not Done	
3m	Total area covered under excavation/pits	0.6686 hect	0.6686 hect as per approved mining plan	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.006	Nil-0	
3o	Total area put in use under different heads at the end of year	1.2143 hect	1.2143 hect	No work done
3p	Production of ROM mineral during the last five year period as applicable	2017-18=23063 2018-19=22827 2019-20=23500 2020-21=23063	2017-18=0 2018-19=0 2019-20=0 2020-21=0	No work done in the ML, mine was closed for want of EC

3q	General remarks of inspecting officers on method of mining etc.	Mine was closed at the time of inspection, mine was not in operation since last five year. no development or production work was carried out.
----	---	---

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for top soil, OB and Mineral proposed	Not done mine was closed since last five years	
4b	Location of topsoil, OB and mineral reject dumps	Northern portion of the lease area	Not done as mine was closed	
4c	Number of dumps within lease area and outside of lease area	None-0	Nil-0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out side the UPL	Outside UPL proposed, no work done	
4e	Number of active and alive dumps.	Nil-0	Nil-0	
4f	Number of dead dumps.	Nil-0	Nil-0	
4g	Number of dumps established.	Nil-0	Nil-0	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not Proposed	No work done related to retaining wall and garland drain mine was closed since last five years	
4i	Length of Retaining wall or garland drain all along dumps	Not Proposed-0	Nil-0	
4j	Number of settling ponds	Nil-0	Nil-0	

4k	Specific comments of inspecting officer on waste dump management		Work replated to dump establishment, garlan ddrain preparation, retaining wall preparation not done as the mine was closed since last five years
----	--	--	--

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Full extration of mineral proposed	Not Done, Full extarction not done yet	
5b	Area under backfilling of mined out area	Nil-0	Nil-0	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil is proposed to be used in plantation	Not done	
5d	Total area fully reclaimed and rehabilitated	Nil-0 Not proposed	Nil-0	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			as the full extraction of mineral not done yet

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).	Not Submitted	Mine was not in operation	
6b	Area available for rehabilitation (ha) .	Not Proposed	Nil-0	
6c	afforestation done (ha).	Nil-0	Nil-0	
6d	No. of saplings planted during the year	Nil-0	Nil-0	
6e	Cumulative no .of plants	Nil-0	Nil-0	
6f	Any other method of rehabilitation	Not Proposed	Nil	
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No work related to PMCP done, mine was not in operational

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise manual sorting was proposed	Nil-0	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Nil-0	

7c	Different grade of mineral sorted out at mines.	Not Proposed	NA	
7d	Any beneficiation process at mines .	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No work done in the mining lease since last five years

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Nil-0	Mine was closed since last five year, no work done in the ML
8b	Concurrent use or storage of topsoil	Proposed	Nil-0	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil-0	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	Not Done	
8g	Survival rate	80%	Nil-0	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Nil	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	It requires to upgrade
----	--	------------------------

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Not Submitted	Not Submitted, Violation cum show cause issued	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Submitted	NA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not Furnished	NA	
9d	Scrutiny of Annual return on afforestation	Not Furnished	NA	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Furnished	NA	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Furnished	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not Furnished	NA	
9h	Scrutiny of Annual return on fixed assets	Not Furnished	NA	

9k Scrutiny of Not Furnished NA
Annual return on
mining
machineries

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 45 (5) (k)	23-APR-21			
MCDR17	Rule 45 (5) (c)	23-APR-21			
MCDR17	Rule 55 (1) (3)	23-APR-21			

Date :

(DEEPAK SHARMA)

Indian Bureau of Mines