

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

**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/KTN/LST-72

**Mine code :** 38MPR18033

- (i) Name of the Inspecting : **C004** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller of Mines
- (iii) Accompanying mine : Shri Gunjan Goenka (Lessees Representative), Shri Rohit  
Official with Singh(Mining Engineer)  
Designation
- (iv) Date of Inspection : 19-OCT-22
- (v) Prev.inspection date : 12-JUL-21

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HARRIYA (7.065 Ha)**
- (b) **Registration NO.** :
- (c) Category : 'A'
- (d) Type of Working : Opencast
- (e) Postal address  
State : MADHYA PRADESH  
District : KATNI  
Village : HARRIYA  
Taluka : VIJAYRAGHAVGARH  
Post office : KYMORE  
Pin Code : 483501  
FAX No. : N. A.  
E-mail : N. A.  
Phone : N. A.
- (f) Police Station :
- (g) First opening date : 17-JAN-79
- (h) Weekly day of rest : SUN
2. Address for : M/S SUKHDEO PRASAD GOENKA  
correspondance : GOENKA BHAWAN, STATION ROAD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2534  
(b) Lease area : 7.065 Ha  
(c) Period of lease : 40  
(d) Date of Expiry : 16-JAN-29
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : SUKHDEO PRASAD GOENKA  
 GOENKA BHAWAN STATION ROAD  
 KATNI MADHYA PRADESH  
 Phone:N. A.  
 FAX :N. A.

Owner : SUKHDEO PRASAD GOENKA  
 GOENKA BHAWAN STATION ROAD  
 KATNI MADHYA PRADESH  
 Phone: N. A.  
 FAX : N. A.

## Mining Engineer

Name : G.D.CHAMADIA, Full Time  
 Qualification : B.E (MINING)  
 Appointment/ :  
 Termination date

## Manager

Name : D.N.DEO  
 Qualification : AMIE, SECOND CLASS MANAGER CERTIFICATE  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	12-FEB-04
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	12-DEC-11
		Mining Scheme rule 12 MCDR1988	17-APR-15
		MP modif under 17(3) MCR 2016	20-JUN-17
		MP review under 17(1) MCR 2016	22-MAY-18

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
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	G2-7.065 ha	
1e	Balance reserve as on 01/04/20	111-702054 T	111-1197510 T	
1f	General remarks of inspecting officers on geology, exploration etc			The occurrence of limestone in the lease area is stratigraphically controlled and is associated with Semri group of Vindhyan super group. Rocks of this formation comprise of white shale, limestone. These rocks are structurally undisturbed and show almost East west strike having dip 10° - 12° with general northern side slope.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed to work Central part of the ML area	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral maintained	

2c	Stripping ratio or ore to OB ratio	1:0.04	1:0.05	
2d	Quantity of topsoil generation in m3	Not proposed	Not done.	
2e	Quantity of overburden generation in m3	17127 m3	32695 t or 16348 m3 (approx.)	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development of pit were being carried out laterally towards all direction from the pit centre.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	385359.00	368735.00	
3c	Recovery of sailable/usable mineral from ROM production	100%	90%	
3d	Quantity of mineral reject generation	17127 m3	32695 t	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	High MgO Limestone	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	

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3j	Provision of drilling and blasting in mineral benches	Yes	As per proposal	
3k	Provision of mining machineries in mineral benches	Proposed	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	(i) Number of Benches Mechanised 4 nos (ore) 2nos (waste) (ii) Average height (meters) Mechanised 5m in ore; 5m in waste.	
3m	Total area covered under excavation/pits	5.39 ha	5.39 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.04	1:0.05	
3o	Total area put in use under different heads at the end of year	6.72 ha	6.128 ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 319025.00 2019-20 100000.00 2020-21 359667.00 2021-22 385359.00	2018-19 99900.00 2019-20 99980.00 2020-21 99980.00 2021-22 368735.00	
3q	General remarks of inspecting officers on method of mining etc.		Opencast mechanized method of mining was being carried out by shovel-tipper combination and transportation was being done through hired trucks/tippers.	

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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 of OB proposed	Separate dumping of OB maintained	

4b	Location of topsoil, OB and mineral reject dumps	01 OB dump in the southern part of the lease	01 OB dump in the southern part of the lease	
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)	within upl	within upl	
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			The waste dump maintained is temporary in nature and the same will be used for backfilling in future.

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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 extraction of mineral from mined out area proposed before starting backfilling	full extraction of mineral from mined out area adopted before starting backfilling	
5b	Area under backfilling of mined out area	0.054 ha	0.079 ha	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil generated not proposed for the year	NA	
5d	Total area fully reclaimed and rehabilitated	0.054 ha	0.079 ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling and reclamation have been carried out in the mined out areas.

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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).	Yes	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	0.079 ha	
6c	afforestation done (ha) .	Nil	0.079 ha	
6d	No. of saplings planted during the year	100	250 approx.	
6e	Cumulative no .of plants	Not proposed	300 approx.	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	nIL	0.079 ha	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	0.079
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	100	250 nos approx.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA
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)	Nil	Environment monitoring done



6q General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.

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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 mineral dispatch proposed	ROM mineral dispatch carried out	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	No beneficiation process at mines proposed	No beneficiation process at mines adopted	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No beneficiation process at mines adopted.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	01 OB/ REJECT DUMP PROPOSED	01 OB/ REJECT DUMP MAINTAINED	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Use of overburden/ rejects for backfilling proposed	Use of overburden/ rejects for backfilling adopted	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased reclamation of lands affected by mining operations by backfilling proposed	Phased reclamation of lands affected by mining operations by backfilling adopted	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	250 saplings (approx.)	
8g	Survival rate	Not proposed	25 % as per AR	
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling on roads to control airborne dust carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs improvement.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	MR and AR online submitted.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer in charge Ankit Tiwari Geologist in charge Vinod Kushwaha
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 5.395 (iii) Reclaimed/Rehabilitated 0.079 (iv) Used for waste disposal 0.179 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.480 (vi) Other Purpose (0) 0.000 (vii) Work done under progressive mine closure plan during the year 1.950
9d	Scrutiny of Annual return on afforestation	Given	(i) Number of trees planted during the year 4811 (ii) Survival rate in percentage 25.00
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Mineral Rejects generated with grades (tonnes) a. Quantity 32695 b. Grade High Mgo Limestone
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	2. Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore( LIMESTONE ) Grades Opening stock at mine head (in tonne) Production (in tonne) Despatches 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 103764.550 368735.000 89596.620 382902.930 330.00
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (in Rs.) 26083723
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

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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

Date :

(ROBERT SIMON C)

Indian Bureau of Mines