

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KTN/LST-72

Mine code : 38MPR18033

- (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 : 06-MAR-20
- (v) Prev.inspection date : 12-MAY-06

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HARRIYA (17.46 AC)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (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 : 7.07
(c) Period of lease : 20
(d) Date of Expiry : 16-JAN-09
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	05 bh	nil	violation given
1c	Exploration Agencies and Expenditure in lakh rupees during the year	not given	nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	not given	not given	
1e	Balance reserve as on 01/04/20	111-1765305T 211-1040288T		
1f	General remarks of inspecting officers on geology, exploration etc			Mineralization of limestone from 17 mtr to 30 mtr is observed. Area has large pit upto 30 mtr and 4 drilled holes in past. Pit is upto depth 30 mtr. Holes drilled from collar level. There is ore small thickness (1m) band of L/S also. violation issued for not drilling holes as proposed.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	all around pit. A	all around pit. A	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	IN WASTE (DOLOMITE SHALE) & LIMESTONE	MADE AS PER PLAN.	
2c	Stripping ratio or ore to OB ratio	1:0.08	1:1	T:T, ORE: WASTE
2d	Quantity of topsoil generation in m3	NP	NIL	
2e	Quantity of overburden generation in m3	OB+1B+1417 M3/28358T	102000T	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			6 -benches of 5-6 mtr are developed. This year working in existing pit.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	319025	99900	ec limit
3c	Recovery of sailable/usable mineral from ROM production	NA	NA	
3d	Quantity of mineral reject generation	NP	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	NP	NIL	
3g	Grade of sub grade mineral generation	NP	NIL	

3h	Manual / Mechanised method adopted for segregating from ROM	NP	NIL	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NIL	
3j	Provision of drilling and blasting in mineral benches	proposed	DONE	
3k	Provision of mining machineries in mineral benches	proposed	PROVIDED-1.1M3 SHOVEL/TIPPERS	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES 5-6 MTR	YES 5-6 MTR	suitable
3m	Total area covered under excavation/pits	5.390	3.040	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.08	1:1	T:T, ORE: WASTE
3o	Total area put in use under different heads at the end of year	6.7242 hect in WASTE DUMP, EXCAVATED pit etc		
3p	Production of ROM mineral during the last five year period as applicable	2018-19- 319025 T limestone	2018-19 -99900 T limestone	EC IS CAPPED AT 1 LAKH TON/ANNUM

3q General remarks of inspecting officers on method of mining etc.

2018-19 is first year of approved plan.mechanised mining is done by shovel/tipper with 5-6 mtr bench ht and in 5-6 no. of benches.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	waste/I.C waste	waste/I.C waste	no reject
4b	Location of topsoil, OB and mineral reject dumps	waste dumps(4)	waste dumps 2	
4c	Number of dumps within lease area and outside of lease area	04,01 outside	02,01 outside	permission for outside
4e	Number of active and alive dumps.	04	02	
4f	Number of dead dumps.	nil	nil	
4g	Number of dumps established.	04	02	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	provided	
4i	Length of Retaining wall or garland drain all along dumps	300 mtr	350 mtr	drain
4j	Number of settling ponds	nil	nil	
4k	Specific comments of inspecting officer on waste dump management			Dumping is temporary within lease.Dumping outside lease also is done.

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.	NA	NA	
5b	Area under backfilling of mined out area	540 M2	540 M2	mined out barrier zone 60mtr
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Np	Nil	
5d	Total area fully reclaimed and rehabilitated	Np	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			only proposal for mined barrier zone

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 violation issued
6b	Area available for rehabilitation (ha) .	no proposal for mined benches	nil	
6c	afforestation done (ha) .	no proposal for mined benches	nil	
6d	No. of saplings planted during the year	no proposal for mined benches	nil	

6e	Cumulative no .of plants	no proposal for mined benches	nil	
6f	Any other method of rehabilitation	no proposal for mined benches	nil	
6g	Cost incurred on watch and care during the year	no proposal for mined benches	nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D		pit area-3.-3.040	pit not matured for backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	540m2	540m2	barrier
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	np	nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	np	nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	np	nil	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	100 nos	100 nos	plantation in barrier zone
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	900 m2	900 m2	plantation in barrier zone
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	np	nil	plantation in barrier zone
6p	Compliance of environmental monitoring (core zone and buffer zone)	proposed	done	barrier plantation is only planned.plantation is seen in periphery.

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.	NP	NA	
7c	Different grade of mineral sorted out at mines.	CEMENT & STEEL	CEMENT & STEEL	
7d	Any beneficiation process at mines	NP	NIL	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The ROM is directly sold to connected industry.
----	--	---

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NP	NIL	
8b	Concurrent use or storage of topsoil	NP	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	FOR OB, IB	FOR OB, IB	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NP	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NP	NIL	area still not mature for backfilling.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	nil barrier 100 nos	100 nos	

8g	Survival rate	70%	75%	
8h	Water sprinkling on roads to control airborne dust	proposed	done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			some barrier plantation and trees near office area are seen

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	yes submitted		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		not appointed, violation issued	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		3.040- pit area	details given
9d	Scrutiny of Annual return on afforestation		not given	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		nil, no reject	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	stock= 10727.15 at year end, SMS		

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	COP = 330.82 EX MINE = 396.57 T	
9h	Scrutiny of Annual return on fixed assets		DETAILS NOT GIVEN
9k	Scrutiny of Annual return on mining machineries		NOT GIVEN

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 32 (1) (a)	18-MAY-20			
MCDR17	Rule 26 (2)	18-MAY-20			
MCDR17	Rule 35 (1)	18-MAY-20			
MCDR17	Rule 11 (1)	18-MAY-20			

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines