

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-82

Mine code : 38MPR18066

- (i) Name of the Inspecting : **G004**) **OM PRAKASH GOPAL**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : shri Manoj Kumar Rai
Official with
Designation
- (iv) Date of Inspection : 07-MAY-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SALAIYA PAHARHAI (9.84HEC)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : SALAIYA PAHARHAI
Taluka : VIJRASHIVGARH
Post office : DIWAN SIDING
Pin Code : 483880
FAX No. : N. A.
E-mail : N. A.
Phone : 07622-52352
- (f) Police Station :
- (g) First opening date : 12-FEB-83
- (h) Weekly day of rest : SAT
2. Address for : SHRI MADAN LAL GROVER
correspondance : CIVIL LINES, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0206
(b) Lease area : 9.84
(c) Period of lease : 20
(d) Date of Expiry : 03-MAY-22
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : MADAN LAL GROVER
CIVIL LINES KATNI MADHYA
PRADESH
Phone:N. A.
FAX :N. A.

Owner : MADAN LAL GROVER
CIVIL LINES KATNI MADHYA
PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	16-AUG-99
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	20-OCT-04
		Mining Scheme rule 12 MCDR1988	23-FEB-12
		Mining Scheme rule 12 MCDR1988	30-SEP-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	-	-
1b	Exploration over lease area for geological axis 1 or 2	No proposal	-	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	-	-
1e	Balance reserve as on 01/04/20	Reserves as on 1/4/2019: 14,78,305 tonnes	-	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Limestone deposit of the area belongs to Semary seies of Vindhyan Super Group. Deposit is stratified stratabound of tabular deposit of regular in habit.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	one pit (in SW block)	Two Pit (one pit each in SW and NE blocks)	For deviation from approved proposal violation of Rule 11(1) of MCDR'2017 pointed out.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in top soil, OB and mineral proposed.	Development of separate benches in soil, OB and mineral done as per proposal	-

2c	Stripping ratio or ore to OB ratio	1:0.20	1:0.45	-
2d	Quantity of topsoil generation in m3	NIL	NIL	-
2e	Quantity of overburden generation in m3	1004m3	1200m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	-

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Two	Violation under Rule 11(1) of MCDR'2017 pointed out for deviation from approved proposal.
3b	Quantity of ROM mineral production proposed	10040 tonnes	9900 tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	-
3d	Quantity of mineral reject generation	Reject generation not envisaged	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	Reject generation not envisaged	-	-
3f	Quantity of sub grade mineral generation.	Subgrade generation not envisaged	-	-

3g	Grade of sub grade mineral generation	Subgrade generation not envisaged	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	-	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	-	-
3j	Provision of drilling and blasting in mineral benches	Drilling and blasting in mineral benches proposed	Drilling and blasting done as proposed	-
3k	Provision of mining machineries in mineral benches	Manual method. Haulage and transport by dumpers	As per proposal	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	-	-
3m	Total area covered under excavation/pits	2.90 ha	2.90 ha (approx)	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.20	1:0.20	1:0.40
3o	Total area put in use under different heads at the end of year	6.80 ha	6.80 ha (approx)	-

3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 10015 tonnes 2015-16 - 10080 tonnes 2016-17 - 10000 tonnes 2017-18 - 10000 tonnes 2018-19 - 10040 tonnes	2014-15 - 9920 tonnes 2015-16 - 9910 tonnes 2016-17 - 9760 tonnes 2017-18 - 9990 tonnes 2018-19 - 9900 tonnes	
3q	General remarks of inspecting officers on method of mining etc.	Manual Mining	Manual Mining	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposal for backfilling in NW block.	Inpit stacking done	Violation of Rule 11(1) pointed out for deviation from approved proposal
4b	Location of topsoil, OB and mineral reject dumps	Backfilling in NW block proposed. There is no proposal for external dumping.	In pit stacking	Violation of Rule 11(1) pointed out for deviation from approved proposal
4c	Number of dumps within lease area and outside of lease area	5 in active dumps (3 OB dumpand 2 soil dump)	5 in active dumps (3 OB dumpand 2 soil dump)	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	-	-
4e	Number of active and alive dumps.	No proposal	-	-
4f	Number of dead dumps.	5 in active dumps (3 OB dumpand 2 soil dump)	5 in active dumps (3 OB dumpand 2 soil dump)	-
4g	Number of dumps established.	No proposal	-	-

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	-	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal	-	-
4j	Number of settling ponds	None	-	-
4k	Specific comments of inspecting officer on waste dump management	Generated waste will be backfilled	Inpit stacking	V/L under rule 11(1) pointed out

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.	Not mentioned	-	-
5b	Area under backfilling of mined out area	Proposal for backfilling along lease boundary in eastern side of NW block	Inpit stacking	V/L issued
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Generation of top soil not envisaged in reporting period	-	-
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Backfilling not done as per approved proposal. V/L issued.

 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).	No	-	-
6b	Area available for rehabilitation (ha) .	No proposal	-	-
6c	afforestation done (ha).	0.03 ha	0.03 ha (approx)	-
6d	No. of saplings planted during the year	30	30	-
6e	Cumulative no .of plants	Not mentioned	-	-
6f	Any other method of rehabilitation	No proposal	-	-
6g	Cost incurred on watch and care during the year	Not mentioned	-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not mentioned	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.05 ha	-	V/L issued

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	-	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	-	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not mentioned	-	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Entire area is mineralised	-	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not mentioned	-	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Manual Mine	-	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for sorting	ROM dispatched directly	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	-	-
7c	Different grade of mineral sorted out at mines.	No proposal	-	-
7d	Any beneficiation process at mines .	None	-	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	-	-
8b	Concurrent use or storage of topsoil	No proposal	-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Simultaneous Backfilling.No proposal for external duming.	Inpit stacking	-

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling proposed	Inpit stacking	V/L issued
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes there is proposal for simultaneous backfilling	Inpit stacking	V/L issued
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposal for plantation	Plantation done	-
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Aesthetic beauty maintained by way of plantation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted but AR not submitted.	AR not submitted.	-

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted.	Mining Engineer and Geologist no appointed	Violation of Rule 55 pointed out
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted.	-	-
9d	Scrutiny of Annual return on afforestation	AR not submitted.	-	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	AR not submitted.	No mineral reject generation	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR not submitted.	-	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AR not submitted.	-	-
9h	Scrutiny of Annual return on fixed assets	AR not submitted.	-	-
9k	Scrutiny of Annual return on mining machineries	AR not submitted.	B category 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
MCDR17 Rule 11(1)	24-JUN-19		MCDR17 Rule 11(1)	24-JUN-19	
MCDR17 Rule 55(1) (3)	24-JUN-19		MCDR17 Rule 55(1)	24-JUN-19	
MCDR17 Rule 11(1)	24-JUN-19				
MCDR17 Rule 55(1) (3)	24-JUN-19				

Date :

(OM PRAKASH GOPAL)

Indian Bureau of Mines