

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

Mining Plan Modification REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LST-236

Mine code : 38MPR47069

- (i) Name of the Inspecting : **G004**) **OM PRAKASH GOPAL**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Manoj Kumar Roy
Official with
Designation
- (iv) Date of Inspection : 08-MAY-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SALAIYA PAHARI (4.690 H)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : SALAIYA PAHARI
Taluka : V. GARH
Post office : DIWAN SIDING
Pin Code :
FAX No. : 07674-232580
E-mail : snsmhr@sancharnet.in
Phone : 07674- 232042, 232089
- (f) Police Station : VIJARAHHOGARH
- (g) First opening date : 16-DEC-94
- (h) Weekly day of rest : SUN
2. Address for : SHRI MADAN LAL GROVER
correspondance : CIVIL LINES
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0691
- (b) Lease area : 4.69
- (c) Period of lease : 20
- (d) Date of Expiry : 12-MAY-14
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	:	Mining Scheme rule 12 MCDR1988	05-NOV-08
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12-JUN-13
		Renewal under rule 24 MCR1960	28-AUG-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	NIL	-
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	No proposal	Balance Reserves as on 1/4/2019: 384846 tonnes	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Limestone deposit of the area belongs to Semary group of Vindhyan Systeem. Deposit is stratified stratbound tabular deposit of regular habit.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Development was proposed at one place from quarry 1 situated toward eastern part of the lease area. It was proposed to develop and merge quarry 1 and quarry 3.	Production and development not done as per approved proposal.	For site deviation V/L issued.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop one bench each in soil and shale. Production of limestone proposed from two benches.	As per approved proposal but there was site deviation.	V/L issued for site deviation.
2d	Quantity of topsoil generation in m3	2400m3	200m3	-
2e	Quantity of overburden generation in m3	3650m3	800m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Less development due to site deviation. V/L under Rule 11(1) of MCDR207 issued.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	Two	V/L issued for site deviation
3b	Quantity of ROM mineral production proposed	10000 tonnes	9980 tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	-
3d	Quantity of mineral reject generation	NIL	NIL	-
3e	Grade of mineral rejects generation and threshold value declared.	-	-	-

3f	Quantity of sub grade mineral generation.	NIL	NIL	-
3g	Grade of sub grade mineral generation	-	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	-	-	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	-	-
3j	Provision of drilling and blasting in mineral benches	32 mm dia hole	32 mm dia hole	-
3k	Provision of mining machineries in mineral benches	No	No	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of OB benches: 1.5 m and mineral benches: 6 m each	Height of OB benches: 1.5 m and mineral benches: 6 m each	-
3m	Total area covered under excavation/pits	2.593 ha	2.45 ha (approx)	=
3n	Ore to OB ratio for the pit/mine during the year.	1:0.6	1:0.47	Less development from approved proposal due to site deviation
3o	Total area put in use under different heads at the end of year	4.69 ha	4.35 ha (approx)	-

3p	Production of ROM mineral during the last five year period as applicable	2014-15 - 9960 tonnes 2015-16 - 9930 tonnes 2016-17 - 10490 tonnes 2017-18 - 11130 tonnes 2018-19 - 10000 tonnes	2014-15 - 9930 tonnes 2015-16 - 9896 tonnes 2016-17 - 9978 tonnes 2017-18 - 9980 tonnes 2018-19 - 9980 tonnes	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	-

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It was proposed to use entire generated soil for bund making. Out of total 1825m3 of generated OB about 1220 m3 will be utilised for road maintenence and 1944 m3 of generated waste will be backfilled in south east side of the lease.	Generation of OB including soil not achieved as per approved proposal due to site deviation. No backfilling done.	V/L under Rule 11(1) of MCDR'2017 issued.

4b	Location of topsoil, OB and mineral reject dumps	It was proposed to utilise top soil for making bund in western and southern side of lease boundary. OB and waste was proposed to utilise partly for road making and partly for backfilling.	Generation of OB not achieved as per proposal. No backfilling was done.	Violation under rule 11(1) of MCDR'2017 issued.
4c	Number of dumps within lease area and outside of lease area	4 dumps all within lease area	4 dumps all within lease area	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	-
4e	Number of active and alive dumps.	Not mentioned	-	-
4f	Number of dead dumps.	Not mentioned	-	-
4g	Number of dumps established.	Not mentioned	-	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Not mentioned	-	-
4i	Length of Retaining wall or garland drain all along dumps	Not mentioned	-	-
4j	Number of settling ponds	NIL	NIL	-

4k	Specific comments of inspecting officer on waste dump management	-	-	Generated waste are stacked inside UPL. Entire lease area is mineralised and depth continuity is yet to be established. For mineral conservation point of view all dumps should be rehandled in conceptual stage.
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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.	No proposal	-	Mineral still exist in depth and UPD not established yet. Proposal for backfilling may be considered only after establishment of UPD.
5b	Area under backfilling of mined out area	It was proposed to backfill over 2200m2 area.	Backfilling not done.	Mineral still continued in depth. Backfilling should not be done till the depth continty of ore and UPD is established.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	-	-
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Mineral still exist in depth and UPD not established yet. Backfilling and reclamation should be done only after establishment of continuity of ore in depth.
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Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Not submitted	-	Mineral still continued in depth. There is no mature area for reclamation and rehabilitation.
6b	Area available for rehabilitation (ha) .	No proposal	NIL	-
6c	afforestation done (ha).	0.0075 ha	-	-
6d	No. of saplings planted during the year	10	10	-
6e	Cumulative no .of plants	Not mentioned	-	-
6f	Any other method of rehabilitation	Not mentioned	-	-
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	No proposal	-	No mature area for backfilling.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	-	No mature area for backfilling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not mentioned	-	-
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.	No proposal	-	-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	-	Entire area is mineralised
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	-	-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	-	-

6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	-	Proposal for B category mine
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-

Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Seperate benches for top soil and utilisation for making bund.	As per proposal	-
8b	Concurrent use or storage of topsoil	No proposal	-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes seperate dumping proposed	AS per proposal	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal as pit is yet to reach at UPD level	-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	-	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes	-	-
8g	Survival rate	80%	80%	-
8h	Water sprinkling on roads to control airborne dust	B category mine	-	-

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	B category mine. Palnation are being done to maintain aesthetic beauty
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR submitted. AR not submitted	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	AR not submitted	Mining Engineer and Geologist not appinted	V/L under Rule 55 of MCDR'2017 issued
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	Entire ROM is saleable and there no 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	-
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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