

**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-276

Mine code : 38MPR47035

- (i) Name of the Inspecting : **P014**) **JAY KUMAR PANDEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sh. M.M.Gosavi, QP & Sh. A.K.Shukla, Representative of
Official with
Designation
- (iv) Date of Inspection : 19-AUG-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SUNHARA MATGAWA (S.NO252)**
- (b) **Registration NO.** : **IBM/10582/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : SUNHARA MATGAWA
Taluka : KATNI
Post office : BICHUA
Pin Code : 483442
FAX No. : N. A.
E-mail : newminerals1@yahoo.com
Phone : 07622- 26258, 30895
- (f) Police Station : MADHAVNAGAR
- (g) First opening date : 08-JUN-02
- (h) Weekly day of rest : SUN
2. Address for : SHRI KISHANCHAND THADALANI
correspondance B-1, NEW ACC COLONY, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2489
- (b) Lease area : 4.2
- (c) Period of lease : 50
- (d) Date of Expiry : 26-APR-52
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : KISHANCHAND THADALANI
TAKEMAL SAJANDAS JAWAHAR
CHOWK JHANDA BAZAR KATNI
MADHYA PRADESH
Phone:07622 - 224113
FAX :N. A.

Owner : KISHANCHAND THADALANI
C/O TAKEMAL SAJANDAS
JAWAHAR CHOWK JHANDA BAZAR
KATNI MADHYA PRADESH
Phone: 07622-224113
FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-MAR-02
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17-OCT-07
		Mining Scheme rule 12 MCDR1988	30-JUL-13
		MP modif under 17(3) MCR 2016	07-NOV-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed for the year 2021-22 but 04 boreholes proposed for the year 2017-18.	Not done any boreholes this is non-working mines since last 05 years.	In submitted RMP further proposals of 07 boreholes given. However violation of rule 11(1) pointed out for not done exploration as proposed.
1b	Exploration over lease area for geological axis 1 or 2	Proposed in the year 2017-18.	Not done.	Now fresh, proposals given for boreholes in submitted RMP for whole lease area in G1 cat.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not applicable.	
1e	Balance reserve as on 01/04/20	Not proposed.	Under 121- 61125t & 221 cat.-94780t.	
1f	General remarks of inspecting officers on geology, exploration etc	Not proposed	Not applicable	This is non-working mines since last 05 years. proposals given for boreholes in submitted RMP for whole lease area in G1 cat.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Southern side near pit E	About central -eastern side of lease area near pit B & C.	Violation of rule 11(1) pointed out for site deviation of working in the year 2021-22.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	One bench in soil of 1m. height & two benches in mineral of 3m. & 1m. respectively.	In actual one bench in top soil of 1m. height & one bench in mineral of 3m. height.	
2c	Stripping ratio or ore to OB ratio	1:1.46	1:1.2	
2d	Quantity of topsoil generation in m ³	2140cu.m.	About 500cu.m.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not proposed	Not applicable.	This is non working mines since more than last five years period for which recommended to DGM, bhopal for determination, however lessee has done some work in the year 2021-22 in pit B & C in central -eastern side of lease area. Also powerline crossing in between of lease area now shifted in northern lease boundary side. The RMP submitted for next five years block in which proposal reviewed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	

3b	Quantity of ROM mineral production proposed	10239 tonnes	7000 tonnes (as per offline annual return for the year 2021-22 submitted by lessee).	Violation of 45(5) (b) & 45(5) (c) for MR & AR online not submitted issued.
3c	Recovery of sailable/usable mineral from ROM production	45%	About 50% (remaining is associate mineral).	
3d	Quantity of mineral reject generation	Not proposed but waste generation about 782 cu.m. proposed.	Not applicable. In actual about 500 cum. waste generated.	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	Not applicable.	
3f	Quantity of sub grade mineral generation.	Not proposed.	Not applicable.	
3g	Grade of sub grade mineral generation	Not proposed.	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	
3k	Provision of mining machineries in mineral benches	Not proposed being B cat. mine	Not deployed machinery manual mining carried out.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed.	Yes.	

3m	Total area covered under excavation/pits	0.2 HA.	About .1 ha. during the year cumulative about .55ha.The size of working pit about 55x25x1-3m.Limestone is exposed as outcrops.	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.46	1:1.20	
3o	Total area put in use under different heads at the end of year	Not proposed	Only pits .55ha. & dumps .01ha.	
3p	Production of ROM mineral during the last five year period as applicable	2017-18-12517t,2018-19-10260t,2019-20-10301t,2020-21-10617t & 2021-22-10239t	In actual 2017-18-0 t,2018-19-0 t,2019-20-0 t,2020-21-0 t & 2021-22-7000t	
3q	General remarks of inspecting officers on method of mining etc.	Not proposed	Not applicable	This is non working mines the working done to some extent in 2021-22 by manual means as proposed in diffrent place where not proposed .The lessee has submitted RMP with fresh proposals with reviewing the previous proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed .	Separate dumping of top soil & waste done.	

4b	Location of topsoil, OB and mineral reject dumps	Proposed in northern side of lease area separately top soil & waste.	The small top soil & waste dumps observed near pits in future this will be utilised for backfilling purpose in excavated 7.5m. southern side area.	Violation of rule 11(1) pointed out for site deviation of dumping.
4c	Number of dumps within lease area and outside of lease area	One top soil & one waste	In actual one small top soil dump of size about 20x10x1m.& one waste dump of size about 10x10x1m. with in lease area.The remaining waste utilised for maintainance of mine road.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed in northern side including UPL.	In actual beyond UPL within lease area..	
4e	Number of active and alive dumps.	2 active	02 active dumps.	
4f	Number of dead dumps.	Not proposed.	Not available.	
4g	Number of dumps established.	Not proposed.	Not applicable.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed.	Not applicable.	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed.	Not applicable.	
4j	Number of settling ponds	Not proposed.	Not applicable.	
4k	Specific comments of inspecting officer on waste dump management	Not proposed	Not applicable.	The waste generation is small & dumped separately.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed	Not applicable	
5b	Area under backfilling of mined out area	Not proposed	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not proposed	Not applicable	Backfilling not proposed as no matured area available for backfilling.

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).	Yearly report of PMCP to be submitted.	Not submitted.	Violation of rule 26(2) pointed out.
6b	Area available for rehabilitation (ha) .	Not proposed	Not applicable	
6c	afforestation done (ha).	10 trees proposed	Plantation of about 10 saplings done as proposed.	
6d	No. of saplings planted during the year	10	About 10 trees.	
6e	Cumulative no .of plants	Not proposed	Total about 10 trees planted.	

6f	Any other method of rehabilitation	Not proposed	Not applicable.
6g	Cost incurred on watch and care during the year	Not proposed	Not available.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ($L \times B \times D$	Not proposed	Not Applicable.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not Applicable.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed	Not Applicable.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not Applicable.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Not Applicable.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed	Not Applicable.

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not Applicable.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not Applicable.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed	Not done being B cat. mine.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not proposed	Not Applicable.	Lessee has not submitted yearly PMCP report ,hence violation of rule 26(2) pointed out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sorting & sizing proposed.	Done as proposed.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Proposed	Done as proposed.	
7d	Any beneficiation process at mines	Not proposed	Not done.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not proposed	Not applicable.	The grade wise mineral sorting done manually at mine site.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed.	Separate stacking of top soil done.	
8b	Concurrent use or storage of topsoil	Not proposed	Not utilised as proposed.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Waste dumping done separetly as proposed.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Dumping proposed	Dumping done as proposed.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not applicable.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not proposed	In actual about 10 big trees present in the lease area and 10 new trees planted.	

8g	Survival rate	80%	About 60%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Done on requirement.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not proposed	Not applicable	This is B cat. manual mine ,10 big trees exists in the lease area.As the mining is very small scale & not disturb more till date.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR to be submitted online.	Lessee has not submitted MR & AR online since begining(except online MR for the month of July 2022).	Violation of rule 45(5) (b) & 45(5) (c) pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not submitted AR	Not applicable.	Mining engineer & Geologist not appointed in the mine ,hence violation of rule 55 pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not submitted AR	Not applicable.	
9d	Scrutiny of Annual return on afforestation	Not submitted AR	Not applicable.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not submitted AR	Not applicable.	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not submitted AR	Not applicable.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not submitted AR	Not applicable.
9h	Scrutiny of Annual return on fixed assets	Not submitted AR	Not applicable.
9k	Scrutiny of Annual return on mining machineries	Not submitted AR	Not applicable.

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)	29-AUG-22			
MCDR17	Rule 26(2)	29-AUG-22			
MCDR17	Rule 34(1)	29-AUG-22			
MCDR17	Rule 45(5) (k	29-AUG-22			
MCDR17	Rule 45(5) (c	29-AUG-22			
MCDR17	Rule 55(1) (3)	29-AUG-22			

Date :

(JAY KUMAR PANDEY)

Indian Bureau of Mines