

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

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-278

Mine code : 38MPR47083

- (i) Name of the Inspecting : **P014**) **JAY KUMAR PANDEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sh. I.Dawande, QP & Sh. Yagyavalk Shukla, Representative
Official with
Designation
- (iv) Date of Inspection : 20-JUL-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BHATAGAWAN SU. (2.33 HA)**
- (b) **Registration NO.** : **IBM/8733/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : MADHYA PRADESH
District : KATNI
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 07622-230895
E-mail : sbsrefss@rediffmail.com
Phone : 07622-230895
- (f) Police Station : MADHAVNAGAR
- (g) First opening date : 31-OCT-03
- (h) Weekly day of rest : SUN
2. Address for : M/S PAVAN MINERALS
correspondance : JAWHAR CHOWK, ZENDA BAZAR, KATNI (M.P.) 483501
3. (a) Lease Number : MPR2490
- (b) Lease area : 2.33
- (c) Period of lease : 20
- (d) Date of Expiry : 24-JUL-23
4. Mineral worked : LIMESTONE Main
CALCITE Associated
DOLOMITE Associated

5. Name and Address of the

Lessee : PAVAN MINERALS
JAWHAR CHOWK ZENDA BAZAR
KATNI MADHYA PRADESH
Phone:N. A.
FAX :N. A.

Owner : PAVAN MINERALS
JAWHAR CHOWK, ZENDA BAZAR,
KATNI MADHYA PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	09-JUL-03
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	11-JUN-12
		Mining Scheme rule 12 MCDR1988	12-AUG-13

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed as earlier approved document period expired on 31/03/2018.	The mine working was temporary discontinued from 10/01/2012 for want of EC, temporary discontinuance notice submitted in office.	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed.	During inspection it was observed that except existing pits with maximum depth 8m. no other exploratory work done in the lease area. Approximate .6ha. area has been categorised under the G2 category of exploration through existing pits.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed .	Not applicable.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed.	Not applicable. However in submitted RMP for which this inspection was carried out in which further exploration of about 1.7ha. balance area to be explored to bring geological axis 1 or 2 is proposed.	
1e	Balance reserve as on 01/04/20	Not proposed.	As per earlier approved document the limestone reserves as on 01/04/2021 under 121 cat. was 197760 tonnes & under 122 cat. was 90600 tonnes.	

1f	General remarks of inspecting officers on geology, exploration etc	Not proposed .	The lease area was explored only by 03 existing pits with maximum depth 8m. .The further exploratoin proposed in the lease area as per MEMC Rules 2015.The limestone of the area is dipping 80-85 degree towards south direction.The limestone present below one meter latertic soil.
----	--	----------------	---

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Not proposed .	No mine working/production was reported during earlier approved document period i.e. from 2013-14 to 2017-18.During inspection it was observed that three pits present in the lease area in eastern and central part of lease area with maximum pit depth of 8m. The limestone mineral is below 1m. lateritic soil.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed .	In actual in existing pits one bench in o/b of 1m. hight and 1-2 benches in limestone of 2-6m. hight.	
2c	Stripping ratio or ore to OB ratio	Not proposed.	Not applicable.	
2d	Quantity of topsoil generation in m3	Not proposed.	Not applicable.	
2e	Quantity of overburden generation in m3	Not proposed.	Not applicable.	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not proposed .	The lease area was earlier developed by 03 existing pits with maximum depth 8m. .
----	---	----------------	---

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Not proposed .	The lease area was earlier developed by 03 existing pits with maximum depth 8m. .The sizes of existing pits are Pit -A, 115x15-20x4-8m., Pit B- 38X8X2m. & Pit C- 85x40-45x3-5m.	
3b	Quantity of ROM mineral production proposed	Not proposed .	Not applicable.	
3c	Recovery of sailable/usable mineral from ROM production	Not proposed .	Not applicable.	
3d	Quantity of mineral reject generation	Not proposed .	Not applicable.	
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	Not proposed .	Not applicable.	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed . Not applicable.	
3j	Provision of drilling and blasting in mineral benches	Not proposed . Not applicable.	
3k	Provision of mining machineries in mineral benches	Not proposed . Not applicable.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed . The lease area was earlier developed by 03 existing pits with maximum depth 8m. .The sizes of existing pits are Pit -A, 115x15-20x4-8m., Pit B- 38X8X2m. & Pit C- 85x40-45x3-5m. The hight of mineral benches is 2-6m.	The violation for hight of benches maximum 6m. not pointed out as the mine working is proposed by mechanised means in submitted RMP.
3m	Total area covered under excavation/pits	Not proposed . The lease area was earlier developed by 03 existing pits with maximum depth 8m. covering about 5500 sq.m. area.	
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed . Not applicable.	
3o	Total area put in use under different heads at the end of year	Not proposed . The total lease area put in use under diffrent head like pits-.55ha.,dumps - .2ha.,roads-.15ha. etc. so for .	
3p	Production of ROM mineral during the last five year period as applicable	Not proposed . During last five years no production reported so for.	

3q	General remarks of inspecting officers on method of mining etc.	Not proposed .	The total lease area put in use under different head like pits,dumps,roads etc. so for 0.9 ha. by manual method of mining. Lease area is small but in future as proposed mining by mechanised means can develop more scientific and systematically.	This mine was recommended for termination under rule 20 of MCR,2016 to the State Govt. of MP (DGM, Bhopal) vide this office email letter dated 10/06/2021 as this mine was not in operation for more than five years period.
----	---	----------------	---	--

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed.	During earlier mining the ob & lateretic soil & waste dumped in three old dumps of sizes 30x10x5m.,10x6x1m & 15x5x1m so for in the lease area.	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed.	Within lease area near existing pits.	
4c	Number of dumps within lease area and outside of lease area	Not proposed.	03 old small lateretic soil/waste mixed dumps within lease area. No dumps outside lease area observed.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed.	Earlier the ob & lateretic soil & waste dumped in three old dumps situated in the edge of existing pits B & C in the UPL of lease area.	
4e	Number of active and alive dumps.	Not proposed.	Nil.	
4f	Number of dead dumps.	Not proposed .	03 old small dead dumps.	
4g	Number of dumps established.	Not proposed.	03 old small dead waste dumps seen naturally established.	

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 .	During mining earlier the ob & lateretic soil & waste dumped in three old dumps situated in the edge of existing pits B & C in the UPL of lease area. Presently these all dumps are inactive/dead dumps and stabilised naturally but in future these dumps having small quantity may be rehandeled for backfilling of excavated 7.5m. lease boundary at three places as proposed in submitted RMP.

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 proposed.	Backfilling of excavated 7.5m. lease boundary at three places as proposed in submitted RMP.	
5b	Area under backfilling of mined out area	Not proposed.	Not applicable as no area matured for backfilling so for.	
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.	Backfilling of excavated 7.5m. lease boundary at three places as proposed in submitted RMP is acceptable presentaly no area matured for backfilling so for.

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 proposed.	Not submitted as the mine working was temporary discontinued from 10/01/2012 for want of EC.	Violation of this rule was not pointed out as mine working was temporarily discontinued since last 08 years.
6b	Area available for rehabilitation (ha) .	Not proposed.	Not applicable .	
6c	afforestation done (ha).	Not proposed.	Not applicable . No survived afforestation seen/done in the past in the lease area except existing trees.	
6d	No. of saplings planted during the year	Not proposed.	Not applicable .	
6e	Cumulative no .of plants	Not proposed.	Not applicable.	
6f	Any other method of rehabilitation	Not proposed.	Not applicable.	
6g	Cost incurred on watch and care during the year	Not proposed.	Not applicable.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x 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 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 applicable .
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not proposed.	Not applicable .

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Not proposed.	Earlier the manual method of mining/sizing/sorting done.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed.	Not applicable.	
7c	Different grade of mineral sorted out at mines.	Not proposed.	Not applicable .	
7d	Any beneficiation process at mines .	Not proposed.	Not applicable .	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not proposed.	Earlier the manual method of mining/sizing/sorting done. Earlier no beneficiation proposed and carried out .	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Earlier lateretic topsoil was excavated and stacked with waste dumps.	
8b	Concurrent use or storage of topsoil	Not proposed.	Not applicable .	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	03 old small dead waste dumps seen naturally established.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Not applicable .	
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.	Not applicable .	
8g	Survival rate	Not proposed.	Not applicable .	
8h	Water sprinkling on roads to control airborne dust	Not proposed.	Not applicable .	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not proposed.	The extent of mining is less with land degradation due to pits/dumps. The lessee has not protected any planted trees so far. Due to mining the aesthetic beauty of the lease area may affect to some extent.
----	--	---------------	--

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual returns of this mine was not submitted online since begining i.e. 2011-12.	Not applicable.	Violation of rules 45(5) (b) & (c) pointed out.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not applicable.	Not applicable.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not applicable.	Not applicable.	
9d	Scrutiny of Annual return on afforestation	Not applicable.	Not applicable.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not applicable.	Not applicable.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not applicable.	Not applicable.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not applicable.	Not applicable.
9h	Scrutiny of Annual return on fixed assets	Not applicable.	Not applicable.
9k	Scrutiny of Annual return on mining machineries	Not applicable.	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 45 (5) (k)	29-JUL-21			
MCDR17	Rule 45 (5) (c)	29-JUL-21			

Date :

(JAY KUMAR PANDEY)

Indian Bureau of Mines