

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/KATNI/LST-274

Mine code : 38MPR47075

- (i) Name of the Inspecting : **P014**) **JAY KUMAR PANDEY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : SH. Praveen Kumar Gupta, representative of lessee
Official with
Designation
- (iv) Date of Inspection : 19-AUG-21
- (v) Prev.inspection date : 18-MAR-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SEJHA (6.522 H) (S.N.309)**
- (b) **Registration NO.** : **IBM/17356/2014**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : SEJHA
Taluka : KATNI-MURWARA
Post office : BADWARA
Pin Code : 483501
FAX No. : 07622-222232
E-mail : skyplastkatni@yahoo.in
Phone : 9826116833
- (f) Police Station : Badwara
- (g) First opening date : 10-DEC-03
- (h) Weekly day of rest : SUN
2. Address for : SKY PLAST MINING & MINERALS
correspondance H.NO. 95, MALVIYA GANJ, KATNI
KATNI (M.P.) 483501
3. (a) Lease Number : MPR0268
- (b) Lease area : 7.03
- (c) Period of lease : 10
- (d) Date of Expiry : 17-NOV-97
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : SKY PLAST MINING & MINERALS
KATNI KATNI MADHYA
PRADESH
Phone:
FAX :

Owner : SKY PLAST MINING & MINERALS
KATNI MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	01-JAN-02
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	01-SEP-08
		Mining Scheme rule 12 MCDR1988	02-JUN-14
		MP review under 17(1) MCR 2016	22-JUN-18

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	The RMP was approved on 22/06/2018, for the period 2018-19 to 2022-23. In which 05 boreholes upto 30 m. depth proposed in the year 2018-19.	Not done as proposed.	Violation of rule 11(1) pointed out for proposed exploration not done in the year 2018-19 & till date.
1b	Exploration over lease area for geological axis 1 or 2	05 boreholes upto 30 m. depth proposed in the year 2018-19 for exproation over lease area for geological axis 1.	Not done as proposed. In the lease area there are existing working pit only. Approximate 2.1ha. of area has been categorised under the G2 category of exploration.	
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.	Balance area to explored under G2 category is approximate 4.42ha.	
1e	Balance reserve as on 01/04/20	Not proposed.	The Balance reserves as on 01/04/2021 is 178000 tonnes under 122 category & resources 62803 tonnes under 222 category.	

1f	General remarks of inspecting officers on geology, exploration etc	Not proposed.	The lease area has been exposed for alternate bands of limestone and dolomite in ENE-WSW direction with steep dip .The area has been explored by only existing pit for occurrences of limestone and dolomite bands/zones.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Not proposed.	Not done.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed.	Only 0.5m. soil ,lateretic in nature present in the lease area.	
2c	Stripping ratio or ore to OB ratio	1:0.08	Not applicable as no o/b or top soil removed as proposed .	
2d	Quantity of topsoil generation in m3	Not proposed.	Not done.	
2e	Quantity of overburden generation in m3	Not proposed.	Not done.	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not proposed.	The developement done in current RMP period was observed in existing pit towards west side advancing an area of 80x10-15x1.5-2m. . The hight of bench in lateretic soil was observed 0.5m.	The developement of pit done in RMP period in west side of existing pit but the proposals to develop in south of existing pit was proposed,hence violation of rule 11(1) pointed out.The mine working was suspended under rule 35(4) of MCDR,2017 on 01/06/2021 & observed temporary discontinued during inspection due to suspension order.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	Existing one pit advancing towards west.	
3b	Quantity of ROM mineral production proposed	26838 tonnes	10760 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	70%	About 70%	
3d	Quantity of mineral reject generation	Not proposed.	Generation of mineral reject from ROM not reported and observed during inspection.	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	Not applicable.	

3f	Quantity of sub grade mineral generation.	Not proposed.	Generation of sub grade mineral from ROM not reported and observed during inspection.
3g	Grade of sub grade mineral generation	Not proposed.	Not applicable.
3h	Manual / Mechanised method adopted for segregating from ROM	The manual method proposed for segregating mineral and waste from ROM proposed.	The manual method for sizing & sorting done for segregating mineral and waste from ROM.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Generation of sub grade mineral from ROM not reported and observed during inspection.
3j	Provision of drilling and blasting in mineral benches	The jackhammer drilling & blasting proposed in mineral benches .	The jackhammer drilling & blasting done in mineral benches as proposed .
3k	Provision of mining machineries in mineral benches	The mine working was proposed by B cat. manual means.	The mining operations was carried out by manual means as proposed.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m	1.5-2m. bench hight in present working pit in mineral limestone.
3m	Total area covered under excavation/pits	5112 m2	About 750 m2. during the year and cumulative about 0.6ha. The size of old pit was 150x5-6x8-10m was extended towards west side of lease area extending 70-80x10-15x1.5-2m. additionally.

3n	Ore to OB ratio for the pit/mine during the year.	1:0.08	Not applicable as no o/b or top soil removed as proposed .	
3o	Total area put in use under different heads at the end of year	The total area put in use under different heads at the end of 2020-21 was proposed about 1.0ha.	During inspection it was observed that about 0.6ha. area occupied by existing pit, 0.2ha. area occupied by existing dumps and .05ha. area by roads and infrastructure.	
3p	Production of ROM mineral during the last five year period as applicable	The production proposed in 2016-17--- 26656t, 2017-18---22579t, 2018-19--- 26712t, 2019-20---26812t & 2020-21--- 26838t.	The yearwise production of limestone achieved from this mine was as below:- 2016-17- 3949 tonnes, 2017-18- 24563 tonnes, 2018-19- 12389tonnes, 2019-20- 26831tonnes & 2020-21 - 10760tonnes.	In the year 2019-20 it was proposed to produced 26812 metric tonnes of limestone, however in the year 26831 metric tonnes of limestone has been produced and reported in AR. Also in the year 2020-21 against 26838 tonnes of limestone production only 10760tonnes of limestone production reported in AR. Hence violation of rule 11(1) pointed out.
3q	General remarks of inspecting officers on method of mining etc.	Not proposed.	This is a B category manual mine & mining is carried out by manual method as proposed.	The developement/production done in RMP period towards west side of existing pit but the proposals to develop/production from south side of existing pit was proposed, hence violation of rule 11(1) pointed out.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed.	Not done.	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed.	Not applicable	
4c	Number of dumps within lease area and outside of lease area	One waste dump within lease area.	The generated waste during RMP period was stacked partly as proposed & some scattered quantity about 250cu.m. observed. Two old waste dumps and some scattered old dumps present in the lease area. No dumps are outside of the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In SE side of 7.5m. barrier zone beyond UPL.	The generated waste was stacked as proposed partly 500 cum. & some scattered quantity about 250cu.m. observed. Two old waste dumps and some scattered old dumps beyond UPL present in the lease area. No dumps are outside of the lease area.	
4e	Number of active and alive dumps.	Proposed one waste dump.	One active waste dump of size 30x7x1.5-2 m ,quantity about 500cu.m. & some scattered waste near working pit.	
4f	Number of dead dumps.	Not proposed.	02 old waste dead dumps .	
4g	Number of dumps established.	Not proposed.	02 old waste dead dumps naturally established of sizes 45x25x4m & 33x9x1m.	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed around new waste dump.	Retaining wall with waste boulders made around waste dump as proposed.	

4i	Length of Retaining wall or garland drain all along dumps	Proposed around new waste dump.	About 60m.
4j	Number of settling ponds	Not proposed.	Not applicable.
4k	Specific comments of inspecting officer on waste dump management	Not proposed.	The waste generated during 2020-21 was proposed to dump in SE side of 7.5m. barrier zone of lease area, during inspection waste dump partly as proposed was observed & old waste dumps. Some quantity of waste and lateritic soil dumped nearby working pit in scattered manner.

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.	Backfilling not proposed in the RMP as full extraction of mineral from lease area not done for the year 2020-21.	At present the lease area is not exploited at full minable depth hence 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.	At present the lease area is not exploited at full minable depth hence not applicable.
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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).	The annual report of PMCP to be submitted.	The annual report of PMCP for the year 2020-21 not submitted .	Hence violation of rule 26(2) pointed out.
6b	Area available for rehabilitation (ha) .	Not proposed.	Not applicable.	
6c	afforestation done (ha).	The afforestation of 57 trees proposed .	The yearwise plantation of 57 trees per year proposed from 2018-19 to 2020-21 but no such plantation in the proposed site were observed except about 10 small trees plantation of 2-3 years back in the lease area were plantation not proposed.	Hence violation of rule 11(1) pointed out.
6d	No. of saplings planted during the year	The afforestation of 57 trees proposed .	Not done.	
6e	Cumulative no .of plants	Not proposed.	Cumulative so for 10trees planted in the lease area(survived) .	
6f	Any other method of rehabilitation	Not proposed.	Not applicable .	
6g	Cost incurred on watch and care during the year	Not proposed.	Not done.	

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 .	This is B cat. manual mines.Hence not applicable.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not proposed .	In the lease area about 50 big naturally grown trees observed and lessee has planted about 10 trees.The damage towards environment due to manual mining is less.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual sizing and sorting of minral limestone proposed for the year 2020-21.	The Manual sizing and sorting of minral limestone done as proposed for the year 2020-21.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not proposed.	The Manual sizing and sorting of minral limestone done for grading.	
7d	Any beneficiation process at mines	Not proposed.	Not applicable.	

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not proposed.	The Manual sizing and sorting of mineral limestone carried out.
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Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	Not done.	
8b	Concurrent use or storage of topsoil	Not proposed.	Not done.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	About 1534 cum. generated waste proposed to dump in SE side of 7.5m. barrier zone.	One active waste dump of size 30x7x1.5-2 m ,quantity about 500cu.m. & some scattered waste near working pit.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Only dumping propose for the year 2020-21.	Waste dumped 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)	The afforestation of 57 trees proposed .	No plantation during the year 2020-21.Cumulative so for 10trees planted in the lease area(survived) .
8g	Survival rate	80%	Not applicable.
8h	Water sprinkling on roads to control airborne dust	Proposed as required.	Not observed as mining operations suspended from 01/06/2021.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not proposed.	In the lease area about 50 big naturally grown trees observed and lessee has planted about 10 trees.The damage towards environment due to manual mining is less.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The monthly and annual returns not submitted online in due date.The monthly return submitted upto June 2021 & Annual return submitted upto 2020-21.	The monthly returns submitted upto June 2021 & Annual returns submitted upto 2020-21.	The monthly return not submitted for July 2021,hence violation of rule 45(5) (b) pointed out.Also violation of rule 46 pointed out as per new parntenrship deed the addres of lessee changed with name of parners but the intimation in form H not given in this office .
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given.	Mining engineer & geologist not appointed.	Violation of rule 55 pointed out.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern under different heads filled.	Land use pattern data under different heads filled and observed about correct. Pits-.61ha., Waste disposal-.185ha.infrastructure-.009ha., Roads-.029ha	The updated plans/sections as required under rule 32 of MCDR ,2017 not submitted in this office ,hence violation of rule 33 pointed out.
9d	Scrutiny of Annual return on afforestation	20 trees plantation reported in AR.	Not observed during inspection.	Violation under rule 11(1) pointed out.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Not given as reject not generated.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock- nil, Graded ore SMS grade limestone- 860tonnes.	The quantity of graded ore observed about almost correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price- Rs 350/-, Sale value- approximate Rs 350/- & cost of production given Rs 228/-	The details given seems to be correct.	
9h	Scrutiny of Annual return on fixed assets	Fixed assets not mentioned.	Violation under rule 45(5) (c) pointed out for labour employment reporting, fixed assets & for incorrect information on plantation during 2020-21.	
9k	Scrutiny of Annual return on mining machineries	Not mentioned being manual mining.	Not applicable.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.		Issued on Compliance on	Rule NO.		Issued on Compliance on
MCDR17	Rule 11(1)	30-AUG-21			
MCDR17	Rule 26(2)	30-AUG-21			
MCDR17	Rule 33	30-AUG-21			
MCDR17	Rule 45(5) (k	30-AUG-21			
MCDR17	Rule 45(5) (c	30-AUG-21			
MCDR17	Rule 46(c)	30-AUG-21			
MCDR17	Rule 55(1) (3)	30-AUG-21			

Date :

(JAY KUMAR PANDEY)

Indian Bureau of Mines