

MCDR-MiFLOLST/58/2023-JBP-IBM_RO_JBP
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/11563/2023

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LST-274

Mine code : 38MPR47075

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Praveen Kumar Gupta, (lessee representative)
Official with
Designation
- (iv) Date of Inspection : 18-OCT-22
- (v) Prev.inspection date : 19-AUG-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : SEJHA (6.522 H) (S.N.309)
- (b) Registration NO. : IBM/17356/2014
- (c) Category : A
- (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 : 6.552 HA
- (c) Period of lease : 50
- (d) Date of Expiry : 24-JUN-52
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

I/11563/2023

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

I/11563/2023

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	05 boreholes upto 30 m. depth proposed in the year 2018-19.	Nil	Violation of rule 11(1) pointed out.
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
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.	122- 248897 T (LST)	
1f	General remarks of inspecting officers on geology, exploration etc			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 occurances of limestone and dolomite bands/zones.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern portion of the lease	Northern portion of the lease	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in overburden and mineral proposed	Separate benches in overburden and mineral maintained	

I/11563/2023

2c	Stripping ratio or ore to OB ratio	1:0.05	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
2d	Quantity of topsoil generation in m3	1546	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
2e	Quantity of overburden generation in m3	1516 m3	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			17800 T of ROM (Limestone) achieved against the proposal of 26523 T ROM (Limestone) for the year 2021-22. Nil waste generated against the proposal of 1516 m3 t of waste generation for the year 2021-22. Nil topsoil generated against the proposal of 1546 m3 t of waste generation for the year 2021-22. Violation pointed out under rule 11(1) of MCDR 2017.

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	26523 T	17800 T	Violation pointed out under rule 11(1) of MCDR 2017.
3c	Recovery of sailable/usable mineral from ROM production	70%	About 70%	
3d	Quantity of mineral reject generation	Not proposed.	nIL	

I/11563/2023

3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	Not applicable.
3f	Quantity of sub grade mineral generation.	NA	NA
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.	Not done
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	Yes	Type of machinery Capacity of each unit No. of units Electrical/Non-Electrical (specify) Used in Opencast/underground (specify) DUMPER 16.000 TONNE 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 0.000 L/MN 1 Non Electrical Opencast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Details of Benches (Separately for mechanised and manual sections) In ore In OB/Waste (i) Number of Benches Manual 2 1 (ii) Average height (meters) Manual 3 0.5
3m	Total area covered under excavation/pits	Not specified	1.04 ha

I/11563/2023

3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	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	Not specified	1.34 ha
3p	Production of ROM mineral during the last five year period as applicable	2017-18--- 22579t, 2018-19--- 26712t, 2019-20---26812t & 2020-21--- 26838t.	2017-18- 24563 tonnes, 2018-19- 12389tonnes, 2019-20- 26831tonnes & 2020-21 - 10760tonnes.
3q	General remarks of inspecting officers on method of mining etc.		17800 T of ROM (Limestone) achieved against the proposal of 26523 T ROM (Limestone) for the year 2021-22, 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.	One waste dump within lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In SE side of 7.5m. barrier zone beyond UPL.	In SE side of 7.5m. barrier zone beyond UPL.	
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.	Nil	

I/11563/2023

4g	Number of dumps established.	Not proposed.	Nil	
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 50m.	
4j	Number of settling ponds	Not proposed.	NA	
4k	Specific comments of inspecting officer on waste dump management			The waste generated during 2021-22 was dumped in SE side of 7.5m. barrier zone of lease area.

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 2021-22.	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.	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			At present the lease area is not exploited at full minable depth hence not applicable.

I/11563/2023

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).	Yes	The annual report of PMCP is submitted.	
6b	Area available for rehabilitation (ha) .	Not proposed.	Not applicable.	
6c	afforestation done (ha).	Not specified	Not applicable.	
6d	No. of saplings planted during the year	Not specified	25 trees	
6e	Cumulative no .of plants	Not proposed	Details not available	
6f	Any other method of rehabilitation	Not proposed.	Not applicable .	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NA	NA	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	

I/11563/2023

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed . Not done		
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	PMCP operations needs upgradation and hence the proposals made in the recent document.		

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The Manual sizing and sorting of mineral limestone proposed for the year 2021-22.	The Manual sizing and sorting of mineral limestone done as proposed for the year 2021-22.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	

I/11563/2023

7c	Different grade of mineral sorted out at mines.	Not proposed.	SMS grade	
7d	Any beneficiation process at mines	Not proposed.	Not applicable.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The Manual sizing and sorting of mineral limestone carried out within lease area.

Environment:

Sl.No.	Item	Propasals	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 1516 cum. generated waste proposed to dump in SE side of 7.5m. barrier zone.	Nil waste generated against the proposal of 1516 m3 t of waste generation for the year 2021-22.	Violation pointed out under rule 11(1) of MCDR 2017.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Only dumping proposed for the year 2021-22.	Nil waste generated against the proposal of 1516 m3 t of waste generation for the year 2021-22.	Violation pointed out under rule 11(1) of MCDR 2017.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Not applicable.	

I/11563/2023

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	Within lease area (b) Outside leasearea (i) Number of trees planted during the year 25 0 (ii) Survival rate in percentage 80.00 0	
8g	Survival rate	Not specified	Survival rate in percentage 80.00	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on roads to control airborne dust done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs improvement.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	MR and AR online submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer in charge SHREYASH SHUKLA Geologist in charge ARUN SAHU	

I/11563/2023

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.032 0.032 (ii) Covered under current (O/C) Workings 0.000 0.650 0.650 (iii) Reclaimed /Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.185 0.185 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.029 0.029 (vi) Other Purpose (GREEN BELT) 0.000 0.060 0.060 (vii) Work done under progressive mine closure plan during the year 0.000 0.010 0.010	In Part-I, Sl.No.12, the lease area (surface area) utilisation are furnished incorrectly.	violation pointed out under rule 45(7) of MCDR 2017.
9d	Scrutiny of Annual return on afforestation	Given	(i) Number of trees planted during the year 25 nos (ii) Survival rate in percentage 80.00	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	

I/11563/2023

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Grades Opening stock at mine head (in tonne) Production (in tonne) Dispatches from mine head (in tonne) Closing stock at mine head (in tonne) Ex-mine price (in . Per Tonne) (a) LD 0.000 0.000 0.000 0.000 0.00 (b) SMS 860.715 17800.000 11837.000 6823.715 350.00 (c) Chemical 0.000 0.000 0.000 0.000 0.00 (d) BF 0.000 0.000 0.000 0.000 0.00 (e) Cement 0.000 0.000 0.000 0.000 0.000 0.00
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex mine price of SMS grade Limestone= Rs.350
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (in .) 200000
9k	Scrutiny of Annual return on mining machineries	Given	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) DUMPER 16.000 TONNE 1 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast PUMPS (NON-ELEC.) 0.000 L/MN 1 Non Electrical Opencast

I/11563/2023

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)	27-APR-23			
MCDR17	Rule 34(1)	27-APR-23			
	Rule 45(7)	27-APR-23			

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines