

MCDR-MiFLOLST/23/2022-JBP-IBM_RO_JBP
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/24373/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/STN/LST-135

Mine code : 38MPR35028

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Rishab Jain (Nominated Owner), Shri Vidhya sagar (
Official with
Designation
- (iv) Date of Inspection : 25-SEP-23
- (v) Prev.inspection date : 11-SEP-05

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHATOORA (10.560 HA)
- (b) Registration NO. :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : BHATOORA
Taluka : MAIHAR
Post office : BHATOORA
Pin Code : 485772
FAX No. : N. A.
E-mail : hukamchandstonelimecompany@rediffmail.com
Phone : 9893438348
- (f) Police Station : BADERA
- (g) First opening date : 28.12.1978
- (h) Weekly day of rest : SUN
2. Address for : M/S HUKUM CHAND STONE LIME CO.
correspondance : POST BAX NO. 69, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0652
(b) Lease area : 10.56
(c) Period of lease : 50
(d) Date of Expiry : 27-DEC-28
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : HUKUM CHAND STONE LIME CO.
POST BAX NO. 69, KATNI
MADHYA PRADESH
Phone: 9893438348
FAX :N. A.

Owner : Rishabh Kumar Jain, HUKUM CHAND STONE LIME CO.
STATION ROAD KATNI MADHYA
PRADESH
Phone: 9893438348
FAX : N. A.

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	24-APR-99
Plan/Scheme of Mining		Renewal under rule 22 MCR1960	24-APR-00
		Mining Scheme rule 12 MCDR1988	25-OCT-07
		Mining Scheme rule 12 MCDR1988	10-AUG-11

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for geological axis 1 or 2	13bh	13bh	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Area already explored in G-1.	
1e	Balance reserve as on 01/04/20		2626802 Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Geologically the limestone of this area belongs to Semri series equivalent to Rohtas formation of lower Vindhyan. Geologically the area has been explored by working pits and 13 nos of boreholes having 35 to 40 m thick limestone band along with thin shale bands, further depth continuity has been correlated with central part of the lease area maximum up to 340 m MRL.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 2664600 TO N 2664700 E 466750- E 466950	N 2664600 TO N 2664700 E 466750- E 466950	

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Maintained	
2c	Stripping ratio or ore to OB ratio	1:0.22	1:0.09	Violation pointed out under Rule 11(1).
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	55613 m3	23400 m3	Violation pointed out under Rule 11(1).
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Only 23400 m3 waste is generated against the proposal of 55613 m3 of OB for the year 2022-23 thereby distorting the stripping ratio. Violation pointed out under Rule 11(1).

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	251964 T	234003.14 T	
3c	Recovery of sailable/usable mineral from ROM production	100	100	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	

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3g	Grade of sub grade mineral generation	NA	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation proposed	No beneficiation adopted
3j	Provision of drilling and blasting in mineral benches	yes	Carried out.
3k	Provision of mining machineries in mineral benches	Yes	Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in opencast underground (specify) DUMPER 10.000 TONNE 2 Non Electrical Opencast DUMPER 17.000 TONNE 4 Non Electrical Opencast DUMPER 21.000 TONNE 6 Non Electrical Opencast PUMPS (NON-ELEC.) 650.000 L/MN 4 Non Electrical Opencast WATER TANKER 2000.000 LITRE 1 Non Electrical Opencast FRONT END LOADER 1.200 CUM 2 Non Electrical Opencast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Suitable

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3m	Total area covered under excavation/pits		6.892 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.22	1:0.09	
3o	Total area put in use under different heads at the end of year	Not specified	8.14 ha	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 Nil 2019-20 Nil 2020-21 Nil 2021-22 Nil 2022-23 251964 t	2018-19 Nil 2019-20 Nil 2020-21 Nil 2021-22 Nil 2022-23 234003.14 t	
3q	General remarks of inspecting officers on method of mining etc.			Opencast semi Mechanized method of mining were being adopted in the lease area for increasing the production rate. The excavation of Mineral were being done by shovel. The loading of mineral were being done with shovel-tipper combination and transportation were being done through hired trucks or tippers.

Solid Waste Management - Dumping:

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

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4b	Location of topsoil, OB and mineral reject dumps	Yes	Waste dump location in lat-long: D-1 -24:05:37.55 24:05:39.20 80:40:22.95 80:40:26.28 D-2 - 24:05:38.39 24:05:39.73 80:40:22.27 80:40:23.80 D-3 - 24:05:36.24 24:05:37.18 80:40:18.70 80:40:20.85 D-4 24:05:36.42 24:05:36.42 80:40:35.18 80:40:36.20	
4c	Number of dumps within lease area and outside of lease area	04	04	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within UPL	within UPL	
4e	Number of active and alive dumps.	04	04 active	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			OB generated is being dumped in 04 dumps lying within the lease area.

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.	Full extraction of mineral from mined out area before starting backfilling proposed	Full extraction of mineral from mined out area before starting backfilling adopted
5b	Area under backfilling of mined out area	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA
5d	Total area fully reclaimed and rehabilitated	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Full extraction of mineral from mined out area before starting backfilling adopted.

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	Submitted	
6b	Area available for rehabilitation (ha) .	Not specified	0.1218ha	
6c	afforestation done (ha).	Not specified	0.1218 ha	
6d	No. of saplings planted during the year		250 nos	
6e	Cumulative no .of plants	NA	300 approx.	
6f	Any other method of rehabilitation	NA	NA	

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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) Afforestation on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
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

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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)	Yes	Carried out

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch within lease area proposed	ROM mineral dispatch within lease area done	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	NA	SMS grade limestone	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM mineral dispatch after manual sorting were being done. No beneficiation process at mines carried out.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	NA	NA	

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden proposed	Separate dumps for overburden maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB dumping proposed	OB dumping done.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	OB dumping proposed	OB dumping done.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	Information available in the form of PMCP report.	
8g	Survival rate	Not specified	70 %	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust carried out.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is moderate.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Returns submitted online.	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : SAHITYA JAIN Mining Engineer in charge: SAURABH NAYAK Geologist in charge : VIDYA SAGAR SAHU	Supporting documents not furnished.	Violation pointed out under rule 55.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Lease area (surface area) utilisation as at the end of year (hectares): Under forest Outside forest Total (i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 0.000 (ii) Covered under current (O-C) Workings 0.000 6.892 6.892 (iii) Reclaimed-rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.585 0.585 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.000 0.292 0.292 (vi) Used for any other purpose (specify)Green belt 0.000 0.800 0.8	
9d	Scrutiny of Annual return on afforestation	Trees planted-survival rate Description Within lease area Outside lease area i) Number of trees planted during the year 202 0 ii) Survival rate in percentage 70 0 iii) Total no. of trees at the end of the year 0 0	Total no. of trees at the end of the year not furnished.	Violation pointed out under rule 45(7)

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	Production and Stocks of ROM ore at Mine-head Category Opening stock Production Closing stock (a) Open Cast workings 0.000 234003.140 0.000
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Grade-wise Production, Dispatches, Stocks and Ex-mine prices: Grades** Opening stock at mine-head Production Despatches from minehead Closing stock at mine-head Ex-mine price (?-Tonne) (a) LD Grade (less than 1.5% silica content) 0.000 0.000 0.000 0.000 0.00 (b) SMS 27.305 234003.140 233007.880 1022.565 473.50
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (Rs. 3768454)

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9k	Scrutiny of Annual return on mining machineries	Given	<p>Type of Machinery: Give the following information for the types of machinery in use such as hoist, fans, drills, loaders, excavators, dumpers, haulages, conveyors, pumps, etc.</p> <p>Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in opencast/underground (specify)</p> <p>DUMPER 17.000 TONNE 6 Non Electrical Opencast DUMPER 10.000 TONNE 1 Non Electrical Opencast DUMPER 21.000 TONNE 9 Non Electrical Opencast PUMPS (NON-ELEC</p>
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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)	09-JAN-24			
MCDR17	Rule 26(2)	09-JAN-24			
MCDR17	Rule 31(1)	09-JAN-24			
MCDR17	Rule 33	09-JAN-24			
MCDR17	Rule 45(7) (a	09-JAN-24			

Date :**(ROBERT SIMON C)**

Indian Bureau of Mines