

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR REPORT
Dehradun regional office

Mine code: 38HPR10065

(i)	Name of the Inspecting Officer	Nitin
(ii)	Designation	Junior Mining Geologist
(iii)	Accompanying mine official with designation	Shri Arun Grover (Mine Owner)
(iv)	Date of Inspection	03.01.2025

PART-I: GENERAL INFORMATION

1	Mine Name	Chowki Mrigwal Limestone Mine
2	Registration No.	IBM/19295/2015
3	Category	A-Category
4	Type of Working	Opencast
5	Postal Address	-
6	State	Himachal Pradesh
7	District	Sirmour
8	Village	Chowki Mrigwal
9	Taluka/Tehsil	Paonta Sahib
10	Post Office	-
11	Pin Code	173023
12	FAX No.	-
13	E-mail	grover.arun@ymail.com
14	Phone	9418648052
15	Police Station	Paonta Sahib
16	Nearest railway Station	Dehradun
17	Date of grant of mining lease	19.05.1986
18	Date of execution	19.05.1986
19	Date of Opening of mine	31.12.1988
20	Date of first Renewal, if applicable and its period & expiry	14.09.2012 for 20 years.
21	Date of second Renewal, if applicable and its period & expiry	NA
22	Date of 3rd Renewal, if applicable and its period & expiry	NA
23	Name of the Nominated Owner With address, phone, Email, Fax number, date of appointment	M/s Giri Lime & Chemicals Prop. Shri Arun grover, H.No.21, W.No. -3,

		Badrinagar, Tehsil-Paonta Sahib District-Sirmour-173025 (HP) Phone: 9418648052 Email: grover.arun@ymail.com
24	Name of the mine agent with address, phone, email, fax number, date of appointment	Mr. Jagdeep Singh Tomar
25	Name of the mine manager with address, phone, email, fax number, date of appointment	Shri Kundan Singh Negi Village & Post- Nahan, Tehsil- Paonta Sahib District – Sirmour (H.P)-173029 Phone: 9719459464
26	Name of the mining engineer, qualification, experience with address, phone, email, fax number, date of appointment	Shri Kundan Singh Negi Village & Post- Nahan, Tehsil- Paonta Sahib District – Sirmour (H.P)-173029 Phone: 9719459464
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55	Ms. Arun Dhiman (PART TIME)
28	Date of approval of Mining Plan/Modified Mining Plan with five year period and specific condition in approval letter, if any.	Review and Updation of Mining Plan Approved on 08-09-2021. Letter No.614(2)/MPB-317/2011-DDN, From FY 2021-22 to FY 2025-26
29	Date of approval of Mining scheme with five year period and specific condition in approval letter, if any	-
30	Mineral(s) granted in lease and proved for mining	Limestone
31	Method of Mining (Opencast, Underground)	Opencast
32	Category (Fully Mechanized, Others or Manual)	Mechanized
33	Captive/Non Captive	Non Captive

PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER

1. Exploration:

S.N.	Item	Proposals (2023-24)	Actual Work(2023-24)	Remarks
1a	Backlog of previous year	Not proposed	Not applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	No exploration was proposed for the year	No exploration was Carried out for the year	
1c	Exploration Agency & 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.	As per approved mining plan G1-3.4 Ha G2-0.5 Ha Total=3.9 Ha	As per approved mining plan G1-3.4 Ha G2-0.5 Ha Total=3.9 Ha	
1e	Balance reserves as on 01.04.2024	As on 01.04.2023- Reserves- 823,647 T	Balance reserves as on 31.03.2024= 813,451 T	10196 T has been extracted during the year
1f	General remarks of Inspecting officer on geology, exploration etc.			

2. Development:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
2a	Location of Development w.r.t. lease area	Development work was proposed from Pit- I- from 1480 mRL to 1470 mRL and Pit- II from 1440 mRL to 1435 mRL towards North to East side of lease area with height of benches Five meters	Development work has been carried out at proposed place but Mining benches not developed as per proposal	Bench height found more than the proposal. SCN has been already issued for rule 11(1)

2b	Separate benches in topsoil overburden and mineral	Benches of 5 meter was proposed to be Prepared and maintained in the mineral.	Mining operations were carried out at proposed place but height of the benches observed more than proposal.	The working benches are in limestone
2c	Stripping ratio or ore to OB ratio	1:0.1	1:0.1	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Total 2912.5 cubic meter waste (interbed) shall be generated.	Nil	As per annual return
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.			

3. Exploitation:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
3a	Number of pits proposed for production	2	2 (Pit id 1 & 2)	
3b	Quantity of ROM mineral production proposed	65531 T	10196 T	
3c	Recovery of Salable/usable mineral from ROM production	95%	Entire ROM is salable	
3d	Quantity of mineral reject generation	Not Proposed	Not applicable	
3e	Grade of mineral reject 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 applicable	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized method	Mechanical method adopted for working	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	Yes, Drilling operation carried out	Yes.	

		with used of Jack hammer machine hole dia 32mm depth 1.5mtr. Blasting operation carried out by the used of safety fuse and ordinary detonator.		
3k	Provision of mining machineries in mineral benches	proposed	Deployed as per proposals	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Using Open cast method of mining & Bench height proposed 5 m in the Mines.	Not as per proposal	Height of the benches observed more than proposal.
3m	Total area covered under excavation /pits	area of 1.68 ha at the end of the plan period	As on 31.03.2024 Area 0.46 ha As per annual return	
3n	Ore to OB ratio for the pit/mine during the year	1:00	1:00	
3o	Total area put in use under different heads at the end of year	02.31 ha at the end of plan period	Broadly as per proposal	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20=39026 T 2020-21=39026 T 2021-22=61312 T 2022-23=63562 T 2023-24=65531 T	2019-20=0 T 2020-21=0 T 2021-22= 9513.1 T 2022-23=15684.3 T 2023-24=10196 T	
3q	General remarks of inspecting officer on method of mining etc.	Development works has been carried out at the proposed places. However, heights of the benches were not maintained as per proposal for which SCN has been issued out to the lessee.		

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Total 2912.5 cubic meter waste (interburden) shall be generated.	No interburden has been generated during the year as per annual return	

4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not applicable	
4c	Number of Dumps within lease area and outside lease area	Not proposed	Not applicable	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	No mineral reject/waste is generated during the year as per annual return.	
4e	Number of Active & Alive dumps	none	No mineral reject/waste is generated during the year as per annual return.	
4f	Number of dead dumps	Not proposed	Not applicable	
4g	Number of dumps stablished	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 dump	Not proposed	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific commends of inspecting officer on waste dump management			

5. Solid Waste Management-Backfilling:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
5a	Status on 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 mined out area (Rule 32)	Not proposed	Not applicable	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Due to mineral continuity in the ML area backfilling was not proposed.		

6. Progressive Mine Closer Plan:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26(2). Details should be given in the format as given in Annexure-20	Proposed	Submitted	
6b	Management of worked/mined out benches			
	i) Area available for rehabilitation (Ha)	Not Proposed	Not applicable	
	ii) Afforestation done (ha)	Not Proposed	Not applicable	
	iii) No. of saplings planted during the year	Not Proposed	Not applicable	
	iv) Cumulative no. of plants	Not Proposed	Not applicable	
	v) Any other specific method of rehabilitation	Not Proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	Not Proposed	Not applicable	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)	1.68 Ha	-	
	ii) Void filled by waste/tailings	Not Proposed	Not applicable	
	iii) Afforestation on the backfilling	Not Proposed	Not applicable	
	iv) Rehabilitation by making water reservoir	Not Proposed	Not applicable	
	v) Any other specific means	Not Proposed	Not applicable	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	100 plants have been Proposed in safety zone.	Saplings have been planted in safety zone	
	ii) Area rehabilitation	0.04 Ha	as per proposal	
	iii) Method of rehabilitation	Proposed	By plantation	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment Monitoring proposed	Environment Monitoring done	

6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	
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7. Mineral Conservation:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	Not proposed	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Not applicable	
7c	Different grade of mineral sort out at mine	Not proposed	Not applicable	
7d	Any beneficiation process at mines	Not Proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Rom is sold to local buyers.		

8. Environment:

S.N.	Item	Proposals(2023-24)	Actual Work(2023-24)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Not applicable	
8b	Concurrent use or storage of topsoil	Not Proposed	Not applicable	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Total 2912.5 cubic meter waste (interburden) shall be generated.	No mineral reject/waste is generated for the year as per annual return.	
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 & additional plantation done (Rule 41)	proposed	as per approved mining plan	100 saplings have been proposed for the current year within the mining lease area.
8g	Survival rate	100%	35%	
8h	Water sprinkling on roads to control airborne dust	Proposed	By using water tanker and sprinklers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty is maintained more or less except degradation of land due to mining. More focus is to be given to maintain the aesthetic beauty by planting suitable saplings having good survival rate and suits the climatic condition in and around mine site.		

9. Compliance of Rule 45:

S.N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	AR and MR submitted	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Furnished	Mining engineer= Mr. Kudan Singh Negi Geologist= Arun Dhiman Manager= Mr. Kudan Singh Negi
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	1) Covered under current (O-C) Workings=0.33 Ha 2) Occupied by plant, buildings, residential, welfare buildings and roads=0.00 Ha 3) PMCP Work=0.00 Ha
9d	Scrutiny of Annual return on afforestation	Furnished	100 saplings have been proposed for the current year within the mining lease area.
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Furnished	zero
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Furnished	1) Production of ROM ore at Mine-head= 10196 T 2) Opening Stocks of ROM ore at Mine-head= 3138 T (cement grade)

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Furnished	For cement grade= 400 ₹ (Ex. Mine price) production costs=381.70 ₹
9i	Scrutiny of Annual return on Fixed assets	Furnished	0
9k	Scrutiny of Annual return on mining Machineries	Furnished	Type of Machinery: Air compressor

10- MCDR COMPLINCE PAST AND PRESENT

S.N	Previous date of inspection	09.02.2024	
9b	Violations pointed out in previous inspection	Rule 11(1) and 34A(2)	
9c	Check Compliance status of complied violations	Rule 11(1) is not complied	
9d	Pending violations	No violation pending	
9e	Violation Detected And Pointed Out During This Inspection	SCN has been already issued for 11(1), 45(7)	

Yours faithfully,

नितिन /Nitin
कनिष्ठ खनन भू-विज्ञानी/Junior Mining Geologist
भारतीय खान ब्यूरो/Indian Bureau of Mines