

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

Minecode: 38HPR10024

(i)	Name of the Inspecting Officer	Nitin
(ii)	Designation	Junior Mining Geologist
(iii)	Accompanying mine official with designation	Mr.D.K Sinha (Mine Manager)
(iv)	Date of Inspection	08.1.2025
(v)	Prev. Inspection date	15-12-2023

**PART-I: GENERAL INFORMATION**

1	Mine Name	Sangarh Limestone Mine (8.05 ha).
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 8.055 ha. Forest area: Nil Non-Forest-8.055
3	Registration No.	IBM/7182/2011
4	Category	A-Category
5	Type of Working	Opencast
6	Postal Address	-
7	State	Himachal Pradesh
8	District	Sirmour
9	Village	Sangrah
10	Taluka/Tehsil	Sangrah
11	Post Office	Sangrah
12	Pin Code	173023
13	FAX No.	-
14	E-mail	<a href="mailto:waliaheadoffice.nahan@yahoo.com">waliaheadoffice.nahan@yahoo.com</a>
15	Phone	9816179811
16	Police Station	Sangrah
17	Nearest railway Station	Dehradun
18	Date of grant of mining lease	18.05.1978
19	Date of execution	18.05.1978
20	Date of Opening of mine	06.06.1978
21	Date of first Renewal, if applicable and its period & expiry	27.05.1992 to 26.05.2002
22	Date of second Renewal, if applicable and its period & expiry	04.06.2015 to 17.05.2028
23	Date of 3rd Renewal, if applicable and its period & expiry	
24	Name of the Nominated Owner With address, phone, Email, Fax number, date of appointment	Mr. SUPRIYANK WALIA Village & Post-Dadahu, Tehsil- Renuka jI Sangrah Dist: Sirmour (HP) 173025
25	Name of the mine agent	Mr. SUPRIYANK WALIA

	With address, phone, Email, Fax number, date of appointment	Village & Post-Dadahu, Tehsil- Renuka jI Sangrah Dist: Sirmour (HP) 173025
26	Name of the mine manager With address, phone, Email, Fax number, date of appointment	Mr.D.K Sinha Village & Post-Dadahu, Tehsil- Renuka jI Sangrah Dist: Sirmour (HP) 173025
27	Name of the mining engineer, qualification, experience With address, phone, Email, Fax number, date of appointment	Mr. D.K Sinha Village & Post-Dadahu, Tehsil- Renuka jI Sangrah Dist: Sirmour (HP) 173025
28	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55	Mr. Lala Sanjeev Prasad (Geologist)
29	Date of approval of Mining Plan/Modified Mining Plan with five year period and specific condition in approval letter, if any.	23.02.2022 2022-23 to 2026-27
30	Date of approval of Mining scheme with five year period and specific condition in approval letter, if any	
31	Mineral(s) granted in lease and proved for mining	Limestone
32	Method of Mining (Opencast, Underground)	Opencast
33	Category (Fully Mechanized, Others or Manual)	Mechanized
34	Captive/Non Captive	Non Captive

**PART-II: OBSERVATION / COMMENT OF INSPECTING OFFICER**

**1. Exploration:**

S.N.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No borehole proposed during the previous year	Not applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	Total lease area=8.05 Ha G1 Area=5.1854 Ha Non mineralized area=2.87 Ha	G1 Area=5.1854 Ha Non mineralized area=2.87 Ha	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not applicable	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Nil	Nil	
1e	Balance reserves as on 01.04.2024	As on 01.04.2023- Reserves-	As on 31.3.2024- Reserves- 1363081	72207 T production

		1,435,288.00 Tonnes	Tonnes	
1f	General remarks of Inspecting officer on geology, exploration etc.	During analysis of annual return, it was observed that the dispatch from the mine head has been subtracted from the reserve as on 01.04.2023. Violation of 45 (7) has been pointed out.		

## 2. Development:

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	Development work was proposed from 1940 mRL to 1930 mRL, and 1820 mRL to 1810 mRL with bench heights at 10 meters.	Bench height was not found as per proposal.	MCDR 11(1)
2b	Separate benches in topsoil overburden and mineral	NA	NA	
2c	Stripping ratio or ore to OB ratio	01:00	01:00	
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	
2e	Quantity of overburden generation in m <sup>3</sup>	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Development work was proposed from 1940 mRL to 1930 mRL, and 1820 mRL to 1810 mRL with bench heights at 10 meters but the same was not found therefore violation of 11(1) of MCDR 2017 has been pointed out.		

## 3. Exploitation:

S.N.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	81053 T	72207 T	As per submitted annual return. Some of the information related to the reserve has been submitted incorrectly.
3c	Recovery of Salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	0	0	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	NA	NA	
3i	Any analysis or	NA	NA	

	beneficiation study proposed & carried out for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Yes, Drilling operation was proposed by Jack hammer drilling and Blasting operation was Proposed by slurry explosives.	As per proposal	
3k	Provision of mining machineries in mineral benches	Excavators/JCB, dumpers	Excavator with dumpers is used for loading and transportation of limestone.	
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 should be 10 m in the Mines.	According to mining plan bench height should be approx 10 m but the same was not found.	
3m	Total area covered under excavation /pits	As on 01.04.2023 An area of 2.6862 ha for mining	As on 31.03.2024 Area 2.86 ha as per submitted annual returns.	
3n	Ore to OB ratio for the pit/mine during the year	01:00	01:00	
3o	Total area put in use under different heads at the end of year	As on 01.04.2023 Pit =2.68 ha Roads=0.3289 ha Others=1.41 ha	As on 31.03.2024 Pit =2.86 ha Roads=0.33 ha Others=1.51 ha As per submitted annual returns.	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20=78927 2020-21=73092 2021-22=80079 2022-23=81053 2023-24=81053	2019-20=71924 2020-21=50000.4 2021-22=30762 2022-23=75174 2023-24=72207	Units are in tonnes
3q	General remarks of inspecting officer on method of mining etc.			

#### 4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	
4c	Number of Dumps within lease area and outside lease area	2	2	

4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	WD1(active) WD2(active)	Location as per proposals	
4e	Number of Active & Alive dumps	2	2	
4f	Number of deed dumps	Nil	Nil	
4g	Number of dumps established	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall	Retaining wall	
4i	Length of Retaining wall or garland drain all along dump	Retaining wall=40m	As per proposals	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management	Preventive measures have been implemented to ensure the stability of runoff material. Retaining wall has been constructed to contain the runoff material effectively. However They are instructed to construct the fresh retaining wall all along the dump for ensuring the stability.		

#### 5. Solid Waste Management-Backfilling:

S.N.	Item	Proposals	Actual Work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
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	Actual Work	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)	0.1 Ha	as per proposal	
	iii) No. of saplings planted during the year	100	100	New plantation has been done on the safety barrier zone.
	iv) Cumulative no. of plants	Total area covered as on	1630	

		31.03.2024 =1.45 Ha Total numbers of plantation= 1630		
	v) Any other specific method of rehabilitation	Not Proposed	Not applicable	
	vi) Cost incurred on watch & care during the year	10000/-	as per proposal	
6c	Compliance on reclamation and rehabilitation by backfilling			
	i) Voids available for backfilling (L*B*D)	Not Proposed	Nil	
	ii) Void filled by waste/tailings	Not Proposed	Nil	
	iii) Afforestation on the backfilling	Not Proposed	Nil	
	iv) Rehabilitation by making water reservoir	Not Proposed	Nil	
	v) Any other specific means	Not Proposed	Nil	
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation	Not Proposed	Nil	
	ii) Area rehabilitation	Not Proposed	Nil	
	iii) Method of rehabilitation	Not Proposed	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Environment monitoring has been Proposed	Work done as per proposal	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	They are instructed to do plantation on the dump for its stabilization. The fencing (283m) was not done as per the proposal.		

#### 7. Mineral Conservation:

S.N.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	81053 T Production has been proposed.	During 2023-24, 72207 T Production has been achieved. Dispatch from the mine head=82732.31 T (LD grade 6937.2 T, Cement grade 75795.115)	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed	Nil	

7c	Different grade of mineral sort out at mine	Not proposed	Nil	
7d	Any beneficiation process at mines	Not Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Rom is sold to local buyers. Buyer has not been registered on IBM. As per MCDR rule 45(7) buyer should have IBM registration number.		

#### 8. Environment:

S.N.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Not Proposed	Nil	
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Total area covered as on 31.03.2024 =1.45 Ha Total numbers of plantation= 1630	During 2023-24, 100 saplings have been planted	
8g	Survival rate	80%	50%	
8h	Water sprinkling on roads to control airborne dust	Proposed	By using water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	They are instructed to take care of and monitor both the new and existing plantations.		

#### 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	Mr. D. K. Sinha (mining engineer) Mr. lala Sanjeeb Prasad (Geologist)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	Covered under current (O-C) Workings=2.860 Ha Occupied by plant, buildings, residential, welfare buildings and roads=0.33 Ha Used for any other purpose (specify) Green belt=1.51 Ha
9d	Scrutiny of Annual return on afforestation	Furnished	Number of trees planted during the year 100. Total no. of trees at the end of the year=1880
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Furnished	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Furnished	Production of ROM ore at Mine-head= 72207 T. Opening Stocks of ROM ore at Mine-head = 6251.40 T of LD grade And 21866.642 T of cement grade
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Furnished	Sale value, LD grade 26404104.5, and for cement grade 61081110.225. Ex. Mine price, LD grade=₹ 3575.16/T Cement grade=₹ 574.87/T. Cost of production =574.87/T.
9i	Scrutiny of Annual return on Fixed assets	Furnished	₹ 32637816/-
9k	Scrutiny of Annual return on mining Machinerries	Furnished	Type of Machinery: Air compressor, Dumper, Back hoe

Yours faithfully,

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