

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

Minecode: 38HPR10011

(i)	Name of the Inspecting Officer	Nitin
(ii)	Designation	Junior Mining Geologist
(iii)	Accompanying mine official with designation	R.C. Mallik Banour, Tehsil- Paonta Sahib District - Sirmour (H.P)
(iv)	Date of Inspection	26.11.2024
(v)	Prev. Inspection date	07.02.2024

PART-I: GENERAL INFORMATION

1	Mine Name	Banour Limestone Mine
2	Registration No.	BM/443/2011
3	Category	A-Category
4	Type of Working	Opencast
5	Postal Address	-
6	State	Himachal Pradesh
7	District	Sirmour
8	Village	Banour
9	Taluka/Tehsil	Paonta Sahib
10	Post Office	Kamrau
11	Pin Code	173001
12	FAX No.	-
13	E-mail	goyalsunil63@gmail.com
14	Phone	8958960606
15	Police Station	Paonta Sahib
16	Nearest railway Station	Dehradun
17	Date of grant of mining lease	28.02.1980
18	Date of execution	28.02.1980
19	Date of Opening of mine	
20	Date of first Renewal, if applicable and its period & expiry	26.05.1992 for the period of 10years
21	Date of second Renewal, if applicable and its period & expiry	26.05.2002 for the period of 20 years
22	Date of 3rd Renewal, if applicable and its period & expiry	26.05.2022 for the period of 20 years
23	Name of the Nominated Owner With address, phone, Email, Fax number, date of appointment	M/s Mam Chand Goyal & Sons 99/3-3, Ganga Vihar, Haridwar Road District - Dehradun (Uttrakhand) Phone: 0135-272196 Email: goyalsunil63@gmail.com
24	Name of the mine agent With address, phone, Email, Fax number, date of appointment	NA
25	Name of the mine manager With address, phone, Email, Fax number, date of appointment	M/s Mam Chand Goyal & Sons 99/3-3, Ganga Vihar, Haridwar Road District - Dehradun (Uttrakhand)

		Phone: 0135-272196 Email: goyalsunil63@gmail.com
26	Name of the mining engineer, qualification, experience With address, phone, Email, Fax number, date of appointment	R.C. Mallik Banour, Tehsil- Paonta Sahib District - Sirmour (H.P)
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55	S K SINHA (PART TIME)
28	Date of approval of Mining Plan/Modified Mining Plan with five year period and specific condition in approval letter, if any.	22.03.2023 2023-24 to 2027-28
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	Actual Work	Remarks
1a	Backlog of previous year	Not proposed	Not applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	Entire lease Area falls under G1 level of exploration.	Entire lease Area falls under G1 level of exploration. G1= 4.958 ha.	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	-	-	
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-1888416 T	Depletion=88625 T. in 2023-24 Balance reserves as on 31.03.2024=1799791 T	88625 T has been extracted during the year

1f	General remarks of Inspecting officer on geology, exploration etc.			

2. Development:

S.N.	Item	Proposals	Actual Work	Remarks
2a	Location of Development w.r.t. lease area	It was proposed to Work in single pit. Working has been proposed in 5 benches from 1342mRL to 1367mRL	Mining operations were carried out at proposed place but height of the benches observed more than proposal. It was proposed to maintained 5 benches but 3 benches have been found.	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	1:0.11	1:0.11	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Violation is issued to lessee as per rule 11(1) of MCDR 2017		

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	126163 T	88625.1 T	
3c	Recovery of Salable/usable mineral from ROM production	95%	Entire ROM is salable	
3d	Quantity of mineral reject generation	No proposals is incorporated	No mineral reject is generated.	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not applicable	
3f	Quantity of sub-grade	Not Proposed	Not applicable	

	mineral generation			
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	Jack hammer blasting with 32mm dia high explosive cartridge proposed	As per proposal	
3k	Provision of mining machineries in mineral benches	Excavators/JCB, dumpers, Dozer	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 5 m in the Mines.	Not as per proposal	
3m	Total area covered under excavation /pits	An area of 2.99 ha for mining	As on 01.04.2024 Area 2.99 ha	
3n	Ore to OB ratio for the pit/mine during the year	Not applicable	Not applicable	
3o	Total area put in use under different heads at the end of year	3.24 ha at the start of the year	3.24 ha as on 01.04.2024	
3p	Production of ROM mineral during last five-years period, as Applicable	2019-20=135000 2020-21=135000 2021-22=135000 2022-23=135000 2023-24=126163	2019-20=0 2020-21=24000 2021-22=33339 2022-23=34034.8 2023-24=88625	Units are in tonnes
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 violation of deviation has been pointed out to the lessee.		

4. Solid Waste Management-Dumping:

S.N.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	proposed	Not as per proposal	
4b	Location of topsoil, OB & mineral reject dumps	proposed	Not as per proposal	Mineral stack found within the ML area but not at proposed place
4c	Number of Dumps within lease	One dump is	No dump observed	

	area and outside lease area	Proposed within lease area	Within lease area	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	NW area of the mining lease	No dump observed Within lease area	
4e	Number of Active & Alive dumps	4 Existing dumps	Dumps have been seen in the ML area but not at the proposed place	
4f	Number of dead dumps	Not proposed	Not applicable	
4g	Number of dumps stablished	2	as per proposal	
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	Nil	Nil	
4k	Specific commends of inspecting officer on waste dump management	Instructions for the construction of retaining walls or parapet walls along the dump periphery have been given for safety purposes.		

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	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	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)	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)	Not Proposed	Not applicable	
	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	200 plants have been Proposed. 18000 rps has been proposed for expenditure	only 100 saplings have been planted	
	ii) Area rehabilitation	Not Proposed	Not applicable	
	iii) Method of rehabilitation	Not Proposed	Not applicable	
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	During inspection shortfall in plantation has been observed therefore violation has been pointed out. (Rule 42)		

7. Mineral Conservation:

S.N.	Item	Proposals	Actual Work	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.
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8. Environment:

S.N.	Item	Proposals	Actual Work	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)	Proposed	Not as per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not applicable	At the beginning of the Year=22000 T Generated during the Year=6000 T Disposed in dumps during the year=3500 T Backfilled during the Year=2500 T Total at the end of the Year 28000 T
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)	Cumulative 1265 saplings for past 6 year	Not as per approved mining plan	200 saplings have been proposed for the current year within the mining lease area. During inspection plantation has been seen but not as per proposal.
8g	Survival rate	60%	30%	
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			

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	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished	Covered under current (O-C) Workings=2.99 H Used for waste disposal=0.07 H Occupied by plant, buildings, residential, welfare buildings and roads=0.13 H Used for any other purpose (specify) Mineral Stack and others=0.05 H
9d	Scrutiny of Annual return on afforestation	Furnished	200 saplings have been proposed for the current year within the mining lease area. During inspection plantation has been seen but not as per proposal.
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	Production of ROM ore at Mine-head= 126163 T Stocks of ROM ore at Mine-head = 88625 T (including LD grade and cement)
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Furnished	For LD grade= 2151.20 ₹ For LD grade= 495.36 ₹
9i	Scrutiny of Annual return on Fixed assets	Furnished	₹ 7200000
9k	Scrutiny of Annual return on mining Machineries	Furnished	Type of Machinery: Air compressor, Dumper and back hoe

Yours faithfully,

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