

**MCDR INSPECTION REPORT****1.0 GENERAL**

SN	Particulars	Details
1	Name of the Mine	Banour Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 4.958 Hect. Forest area: Nil Non-Forest- 4.958 Hectare
2a	Date of Inspection	07-02-2024
3	Mine code	38HPR10011
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/443/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Mam Chand Goyal & Sons 99/3-3, Ganga Vihar, Haridwar Road District – Dehradun(Uttarakhand) Phone: 0135-272196 & 8958960606 Email: goyalsunil63@gmail.com
6	Village	Banour
7	Taluka/Mandal	Paonta Sahib
8	District	Sirmour
9	Pin code	173025
10	State	Himachal Pradesh
11	Post office	-
12	Nearest police station	Paonta Sahib
13	Nearest Railway station	Dehradun
14	Date of Grant of Mining Lease	28.02.1980
15	Date of Execution	28.02.1980
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	26.05.1992 for the period of 10years
18	Date of second Renewal, if applicable and its period & expiry	26.05.2002 for the period of 20 years
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	M/s Mam Chand Goyal & Sons 99/3-3, Ganga Vihar, Haridwar Road District – Dehradun(Uttarakhand) Phone: 0135-272196 Email: goyalsunil63@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Mam Chand Goyal & Sons 99/3-3, Ganga Vihar, Haridwar Road District – Dehradun(Uttarakhand) Phone: 0135-272196 Email: goyalsunil63@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	R.C. Mallik Banour, Tehsil- Paonta Sahib District – Sirmour (H.P)
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	
24	Whether Geologist and Mining Engineer appointed	Yes

	in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review & Updation of Mining Plan was Approved on 22-03-2023.videLetter No.614(2)/MP-B-285/08-DDN
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	A Open Cast
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. -

### Exploration

SN	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	2021-22- Not Boreholes proposed	No exploration was carried out during year 2021-22	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area Under G1- 4.958000 H		
1e	Balance reserves as on 31.04.2022.	As on 01.04.2022 Reserves-1.766527 million tonnes Resources-0.965859 million tonnes Total- 2.732386 million tonnes	As on 31.03.2023 Reserves-1.673007 million tonnes Resources-0.965859 million tonnes Total- 2.638866 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Mining plan was approved on 22-03-2023.No Exploration was purposed during Plan Period.		

### 2.0 Development

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in only One Pit with area 2.99 during year 2023-24	Mining operation were carried out at proposed place but height of the benches observed more than proposal.	Violation pointed out to lessee as per rule 11(1) of MCDR 2017
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Benches of 5 meter was proposed to be Prepared and maintained in the mineral.	Benches were not maintained as per proposal.	
2c	Stripping ratio or ore to OB	1:0.11	1:0.11	

	ratio			
2d	Quantity of topsoil generation in m3	No proposals are incorporated	2022-23- Nil	
2e	Quantity of overburden generation in m3	No such proposals is incorporated	2022-23- Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Development work was carried out at proposed place but height of the benches observed more than proposal. Violation is issued to lessee as per rule 11(1) of MCDR 2017		

### **3.0 Exploitation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	As per proposal, 1 pit were proposed for production	Observed as per proposal	
3b	Quantity of mineral production proposed (Limestone)	ROM proposed during 2022-23 is 135000 Tonnes	Total production during 2022-23 is 93520.6 Tonne	
3c	Recovery of salable/ usable mineral from ROM production	95% recovery from ROM	Entire ROM is useable.	
3d	Quantity of mineral reject generation	2022-23- Nil	1200 T	
3e	Grade of mineral reject generation and threshold value declared	Not applicable	Siliceous/low grade dolomites material as reported	
3f	Quantity of sub-grade mineral generation	No proposal	No generation	
3g	Grade of sub-grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Applicable	No segregating was carried out in the mine	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Applicable	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	Jack hammer blasting with 32mm dia high explosive cartridge proposed	Deployed as per proposal	
3k	Provision of mining machineries in mineral benches	Proposals given	Deployed as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed in mineral bench Average Height of benches proposed is 5m.	Bench height has been observed as per proposal	
3m	Total area covered under excavation/pits	2.79 Ha( During Plan Period)	Broadly as per the proposals	
3n	Ore to OB ratio for the pit/mine during the year	1:0.11	No OB is generated as proposed	
3o	Total area put in use under different heads at the end of year	3.285 Ha( During Plan Period)	Within the limit, As incorporated in the mining plan.	
3p	Production of Limestone & Shale during last five-year period, as applicable	2018-19-31250 Tonnes 2019-20-135000 Tonnes 2020-21-135000 Tonnes 2021-22-135000 Tonnes 2022-23-135000 Tonnes	2018-19- Nil 2019-20- Nil 2020-21-24000Tonnes 2021-22-33339 Tonne 2022-23-34040.8 Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mining plan was approved on 22-03-2023. During the inspection it was observed that proposed development works has been carried out at the earmarked places. However, heights of the benches were not maintained		

		as per proposal for which violation of deviation has been pointed out to the lessee.
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#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Not applicable	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not applicable	
4c	Number of dumps within lease area and outside lease area	2 dump was proposed	Not seen	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal incorporated	Not applicable	
4e	Number of active & alive dumps	No proposal incorporated	Not found during inspection	
4f	Number of dead dumps	One	One	
4g	Number of dumps stabilised	Not Applicable	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal incorporated	Not erected	
4i	Length of Retaining wall or garland drain all along dump	65m in 2022-23 and No proposal incorporated in year 2023-24	under taken	
4j	Number of settling ponds	No proposal incorporated during year 2023-24	Not Applicable	
4k	Specific comments of inspecting officer	70 m fencing is proposed during year 2023-24. Which was not seen during inspection.		

#### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposals for backfilling in year 2022-23	Area has yet not been matured for backfilling.	
5b	Area under backfilling of mined out area	No proposals are incorporated	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposals are incorporated	No proposals are incorporated	
5d	Total area fully reclaimed & rehabilitated	No proposals are incorporated	No proposals are incorporated	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area yet not matured for back filling		

#### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals (2022-23)	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.	Proposals are incorporated	PMCP submitted (2022-23)	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	Not Proposal Not Proposal	Not applicable Not applicable	

	ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation (Parapet wall) vi) Cost incurred on watch & care during the year	Not applicable Not applicable Not Proposal	Not applicable Not applicable Not applicable	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Not Proposal Not Proposal Not Proposal Not Proposal Not Proposal	Not applicable Not applicable Not applicable Not applicable	
6d	Compliance of Rehabilitation of waste land within lease (Green Belt in SBZ area) i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	50 saplings over 0.05 ha Proposed during 22-23	50 saplings over 0.05 has been Carried out during 22-23	Cumulative 1065 saplings have been planted during last plan period.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Under taken	Under taken as proposed	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Cumulative 1065 saplings have been planted during last plan period. 200 saplings over 0.2 ha Proposed during 23-24 which is Seen during inspection.		

### **7.0 Mineral Conservation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated, 95% ROM saleable in the marked	Entire Mineral is being used.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not Applicable	Not Applicable	
7c	Different grade of mineral sorted out at mines	Grade wise sorting is not proposed.	Not Applicable at present	
7d	Any beneficiation process at mines	Not Applicable	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no problem of mineral Conservation at this Mine		

### **8.0 Environment**

SN	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not applicable	Nil	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Applicable	Not Applicable	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable	Not applicable	Area is not mature for the purpose
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Baseline study done	Cumulative 1065 saplings have been planted during last plan period.	
8g	Survival rate	60 %	60 %	
8h	Water sprinkling on roads to control airborne dust	Water Sprinkling on haul road for dust suppression in mine	Water Sprinkling on haul road for dust suppression is done occasionally.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines 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.		

### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	All Monthly and Annual Return Submitted.		
S.N	Item	Details given in AR (2022-23)	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist is appointed	Mining Engineer and Geologist is appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area utilisation under current working-2.676, Used for waste disposal - 0.272, Building and Road--0.120, and PMCP-0.050	As per submission	
9d	Scrutiny of Annual return on Afforestation	1)Within lease area-50 plants 2)Outside lease area-0	Broadly as per submission	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Information given	No generation in the last year	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price is 1211.76 per tonne of LD Grade and 559.25 of Cement With Cost of production is 508.61 per tonnes	Ex. Mine price is not Correct	
9h	Scrutiny of Annual return on fixed assets	Information is given	As per submission	

9i	Scrutiny of Annual return on mining machineries	Air Compressor, , Dumper and Back Hoe	As per submission	
9j	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty is largely maintained		

**10-** Details of violations observed during current inspection and compliance position of earlier violation pointed out:-**MCDR COMPLINCE PAST AND PRESENT**

S.N	Previous date of inspection	13.10.2022	
9b	Violations pointed out in previous inspection	Rule 11(1)	
9c	Check Compliance status of complied violations	Compliance	
9d	Pending violations	Nil	
9e	Violation Detected And Pointed Out During This Inspection	11(1) and 45(7)	

Date: 28.03.2024

Mukesh Kumar Sharma  
Indian Bureau of Mines