

## 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: 4.75 Hect Forest area: Nil Non-Forest- 4.75 Hectare
2a	Date of Inspection	03-01-2024
3	Mine code	38HPR10035
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4992/2011
5	Name of the lessee, Address, phone, email and fax number	Sh. Deepak Chawla Legal Heir of Late Shri S.C.Chawla 43-Gandhi Road, District-Dehradun-248001(Himachal Pradesh) Phone: 9897521582 Email: chawla_sidh@rediffmail.com
6	Village	Banour
7	Taluka/Mandal	Paonta Sahib
8	District	Sirmour
9	Pin code	173023
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	29.09.1989
15	Date of Execution	18.08.1990
16	Date of opening of Mine	09.10.1990
17	Date of first Renewal, if applicable and its period & expiry	18.08.2010 (Extended up to 17.08.2040 under 8A(5) of MMDR Act 2015)
18	Date of second Renewal, if applicable and its period & expiry	-
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	Sh. Deepak Chawla Legal Heir of Late Shri S.C.Chawla 43-Gandhi Road, District-Dehradun-248001(Himachal Pradesh) Phone: 9897521582 Email: chawla_sidh@rediffmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	-
22	Name of the Mines Manager with Address, phone, email, fax number	Shri K.N.Pant Village- Paonta Sahib

	and date of appointment in mines	District - Sirmour (H.P)-173029 Phone: 9805037700
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Kamal Kumar Baswal, B.E. Mining Engineer Village- Kamroo District - Sirmour (H.P)-173029 Phone: 8104155328
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
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 16-11- 2020. Vide Letter No.614(2)/76-DDN, From FY 2015-16 to FY 2019-20  Modified Mining Plan was Approved on 10-08-2015. Vide letter No. 614(2)/76-DDN From FY 2015-16 to FY 2019-20
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	No Exploration was Proposed during 2021-22	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	No Exploration was Proposed during 2022-23	NA	
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- 4.59 hectare Area under G2 - Nil Area Under G3-0.16 hectare		

1e	Balance reserves as on 01.01.2020.	As 01.04.2022. Reserves-2.745 million tonnes Resources-3.18189 million tonnes Total- 5.93589 million tonnes	Balance reserves as on 31.03.2023 Reserves-2.26411 million tonnes Resources-1.81167 million tonnes Total- 4.07578 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	No Exploration was Proposed during 2022-23		

## **2.0 Development**

SN	Item	Proposals (2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Development was proposed towards eastern block of lease area from 1400 mRL to 1370 mRL with height of benches 5 meters	Mining operation were carried out at proposed place but height of the benches observed more than proposal.	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No such proposals are incorporated	Benches are in mineral only.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	No proposals are incorporated	Nil	
2e	Quantity of overburden generation in m3	No such proposals is incorporated	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		

## **3.0 Exploitation**

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	As per proposal, 2 pits were proposed for production	Observed as per proposal	

3b	Quantity of mineral production proposed (Limestone)	ROM proposed during 2022-23 is 92005 tonnes	Total production during 2022-23 is 91778.7 Tonne	
3c	Recovery of salable/ usable mineral from ROM production	95% recovery from ROM	ROM is saleable in the market..	
3d	Quantity of mineral reject generation	5% of ROM	No significant mineral reject in this mine is being generated.	
3e	Grade of mineral reject generation and threshold value declared	Not applicable	Not applicable	
3f	Quantity of sub-grade mineral generation	Not Applicable	Not Applicable	
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	Drilling operation proposed with used of jack hammer machine hole dia 32mm depth 1.5 mtr. Blasting operation Carried out by the used of safety fuse.	Broadly as per the proposals	
3k	Provision of mining machineries in mineral benches	Proposals given	Broadly as per the proposals	
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.	Broadly as per the proposals	
3m	Total area covered under excavation/pits	2.40	Broadly as per the proposals	
3n	Ore to OB ratio for the pit/mine during the year	1:0	More or less it is 1:00	
3o	Total area put in use under different heads at the end of year	3.95	Within the limit, As incorporated in the mining plan.	
3p	Production of Limestone & Shale during last five-year	2017-18-105067 Tonnes 2018-19-0 Tonnes	2017-18- 0 Tonnes 2018-19- 0Tonnes	

	period, as applicable	2019-20-0 Tonnes 2020-21-63160 Tonnes 2021-22-63160 Tonnes 2022-23-63160 Tonnes	2019-20- 0 Tonnes 2020-21- 0 Tonnes 2021-22- 0 Tonne 2022-23- Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mining plan was approved on 26-03-2021. During the inspection it was observed that proposed development works has been carried out at the earmarked places.		

#### **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)	No Proposals are incorporated for separate dumping of overburden in approved mining plan.	No Proposals are incorporated for separate dumping of overburden in approved mining plan.	
4b	Location of topsoil, OB & mineral reject dumps	Minerals reject stacking proposed near boundary pillar 3 and 4	No mineral reject during year 2022-23	
4c	Number of dumps within lease area and outside lease area	1 old observed in the mine.	1 old observed in the mine.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Near boundary pillar 3 and 4	Near boundary pillar 3 and 4	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	1 deed dump observed	1 deed dump observed	
4g	Number of dumps stabilised	None	None	
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	Not quantified	Not quantified	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer	No proposal incorporated for separate dumping. Some area found collapsed in mine near boundary pillars 11 and 12		

#### **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 back filing.	
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 is submitted (2022-23)	
6b	Management of worked/within Lease i) Area available for rehabilitation (ha) 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 Proposal 0.07 ha 70 270 Not applicable Not Proposal	Not applicable 0.07 ha 70 Not applicable 270 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 Not applicable	
6d	Compliance of Rehabilitation of Barren Area within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Proposal given	70 saplings planted during 2022-23	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring proposed	Monitoring is done	

6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP report under 26(2) of MCDR-2017 has not been submitted within the stipulated time.
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### **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)	No top soil present in this mine	Nil	
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal incorporated	Nil	
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)	No. proposal incorporated	Not applicable	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Baseline study done	Baseline study done	
8g	Survival rate	60 to 70%	70%	
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	Aesthetic beauty is maintained more or less except degradation of land due to mining. More focus is to be given to maintain		

	around mines area	the aesthetic beauty by planting suitable saplings having good survival rate sand suits the climatic condition in and around mine site.
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### 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.	1)Area Cover under current working-3.054, Reclaimed-rehabilitated and Occupied by plant buildings welfare and road-0.070	Broadly as per submission	
9d	Scrutiny of Annual return on Afforestation	1)Within lease area-70 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	0 tonne is given	As per submission	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price of cement is 537.89 and LD grade is 1328.58 per tonne and Cost of production is 504.52 per tonnes	As per submission	
9h	Scrutiny of Annual return on fixed assets	Information is given	----	
9i	Scrutiny of Annual return on mining machineries	Air compressor, dumper and Back Hoe.	----	
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) and 27((2) on 01.11.2022	
9c	Check Compliance status of complied violations	Compliance has been made for 27((2) on dated 22.12.2022	
9d	Pending violations	Rule 11(1)	
9e	Status of compliance of MCDR,2017, including therewith the rectification of outstanding violation of rules	-	
9f	Violation Detected And Pointed Out During This Inspection	During the current inspection violation of 11(1) and 34A have been detected again.	

Date: 19.01.2024

Mukesh Kumar Sharma  
Indian Bureau of Mines