

# MCDR INSPECTION REPORT

## 1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Bhimgoda Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 8.50 ha. Forest area: Nil Non-Forest-8.50
2a	Date of Inspection	09-11-2021
3	Mine code	38HPR10061
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/487/2011
5	Name of the lessee, Address, phone, email and fax number	Smt. Satya Tomar WD/O-Shri Dharam Singh 195/4, Adarsh Colony, Badripur Tehsil- Paonta Sahib District – Sirmour (H.P)-173025 Phone: 9816678284 Email: ashoktomar50@gmail.com
6	Village	Kamroo
7	Taluka/Mandal	Paonta Sahib
8	District	Sirmour
9	Pincode	173029
10	State	Himachal Pradesh
11	Post office	-
12	Nearest police station	-
13	Nearest Railway station	Dehradun
14	Date of Grant of Mining Lease	26.06.1984
15	Date of Execution	07-07-1984
16	Date of opening of Mine	01.08.0985
17	Date of first Renewal, if applicable and its period & expiry	15.03.2005
18	Date of second Renewal, if applicable and its period & expiry	NA
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	Smt. Satya Tomar WD/O-Shri Dharam Singh 195/4, Adarsh Colony, Badripur Tehsil- Paonta Sahib District – Sirmour (H.P)-173025 Phone: 9816678284 Email: ashoktomar50@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M Smt. Satya Tomar WD/O-Shri Dharam Singh 195/4, Adarsh Colony, Badripur Tehsil- Paonta Sahib District – Sirmour (H.P)-173025 Phone: 9816678284 Email: ashoktomar50@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri K.Misra Village & Post-Sataun, Tehsil- Paonta Sahib District – Sirmour (H.P)-173029 Phone: 9816351878
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri K.Misra Village & Post-Sataun, Tehsil- Paonta Sahib District – Sirmour (H.P)-173029 Phone: 9816351878

24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	No
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 18-10-2021. vide Letter No.614(2)/MP-B-210/05-DDN From FY 2021-22 to FY 2025-26
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Modified Mining Plan was Approved on 11-10-2017. Vide letter No.614(2)/MP-B-210/05-DDN From FY 2017-18 to FY 2020-21
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 (OTFM)
30	Captive/Non Captive	Non-Captive

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

### Exploration

SN	Item	Proposals (2020-21)	Actual work	Remarks
1a	Backlog of previous year	3		
1b	Exploration over lease area for Geological axis 1 or 2.	1 Bore hole was proposed during 2020-21	Exploration activities were not carried out up to the year 2020-21 No exploration was carried out during the year 2020-21	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per approved mining plan 7.44 hectares of area has been covered under G-1 exploration.	It is absorbed more or less, as per proposal.	
1e	Balance reserves as on 01.04.2021.	Under 111 Reserves 4.60 Million Tonnes.	Under axis 111 Reserves 4.38 Million Tonnes. (production up to 2020-21- 211587.5 tonnes) was obtained )	
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration was not carried out as per proposal during year 2020-21. Violation pointed out as per Rule 11(1) of MCDR 2017		

### 2.0 Development

SN	Item	Proposals (2020-21-20)	Actual work	Remarks
2a	Location of development w.r.t. lease area	As per proposal, mining shall be carried out from top to downwards by formation of benches as 1934mRI to 1928mRI with height of benches six meters each in	Development work has been carried out at proposed place but height of the benches has been observed more than proposed height.	

		pit-1 and 1952mRL to 1934mRL in pit-3	Violation is pointed out to lessee for rule 11(1) of MCDR 2017	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No such proposals is incorporated	Not applicable	
2c	Stripping ratio or ore to OB ratio	1:00	As per proposal	
2d	Quantity of topsoil generation in m3	No such proposals is incorporated	No top soil generated during year 2020-21	
2e	Quantity of overburden generation in m3	4095	No significant Quantity generated during the year 2020-21	
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 pointed out to lessee as per rule 11(1) of MCDR 2017		

### 3.0 Exploitation

SN	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	As per proposal 2 pits were proposed for production	As per proposal as observed.	
3b	Quantity of mineral production proposed (Limestone)	ROM proposed during 2020-21 is 117555 Tonnes	57284.05Tonnes	
3c	Recovery of salable/ usable mineral from ROM production	95% recovery from ROM	ROM as learnt entire is sailable from the mine	
3d	Quantity of mineral reject generation	No proposals are incorporated	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	No proposals are incorporated	segregating method was not 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	Yes, Drilling operation were proposed by Jack hammer machine (Hole dia 32mm depth 1.5	Yes, Drilling operation is carried out by using Jack hammer machine. hole dia is found 33mm and depth	

		metre). Blasting operation was proposed by safety fuse and ordinary detonator.	is 1.5 metre. Blasting operation is carried out as per proposal.	
3k	Provision of mining machineries in mineral benches	Hydraulic excavation L&T PC-200 with bucket capacity 0.9 cum using for limestone loading operation	Deployed as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Average Height of benches proposed is 6m,	Bench height has been observed more than the proposed height for which, Violation has been pointed out to lessee under rule 11(1) of MCDR 2017 for immediate rectification.	
3m	Total area covered under excavation/pits	2.40 ha	Within the limit of proposal	
3n	Ore to OB ratio for the pit/mine during the year	1:00	More or less it is 1:00	
3o	Total area put in use under different heads at the end of year	3.333 ha	Within the limit of proposal incorporated in the mining plan.	
3p	Production of Limestone & Shale during last five-year period, as applicable	2015-16-60000 Tonnes 2017-18-52560 Tonnes 2018-19-99000 Tonnes 2019-20-102375 Tonnes 2020-21-117555 Tonnes	2015-16-0 Tonne 2017-18-46633 Tonnes 2018-19- 59341 Tonnes 2019-20- 48329.60 Tonnes 2020-21-57284.05Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	During the inspection it was observed that proposed development was being carried out at the earmarked place. However, heights of the benches were not maintained as per proposal for which violation of deviation has been pointed out to the lessee.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Dump proposed within lease area, Dumping was proposed towards western flank of lease area.	Separate dumping of waste has been carried out as per proposal	
4b	Location of topsoil, OB & mineral reject dumps	Proposal for separate dumping is incorporated	OB dump is found at separate location as per proposal towards modified mining plan of the lease boundary. Top soil and mineral reject was generated insignificantly during year 2020-21	

4c	Number of dumps within lease area and outside lease area	1	1 active dump observed within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumping was proposed towards south west slope of lease area	Dumping has been carried out at earmarked place.	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	1	1	
4g	Number of dumps stabilised	None	Not stabilised yet	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal incorporated	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	Not quantified	Not applicable	
4j	Number of settling ponds	No proposal incorporated	Not Applicable	
4k	Specific comments of inspecting officer	Insignificant top soil is generated in this mine and only inter-burden present in this mine. Whatever, little quantity of inter-burden is generated is dumped at earmarked place.		

### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2020-21)	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 2020-21	Area yet to be matured for reclamation.	Area yet to be matured for reclamation
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	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 (2020-21)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Proposed as per approved Mining Plan	Not Submitted,	Violation is pointed out to lessee for non compliance of rule 26(2) of MCDR 2017
6b	Management of worked/mined out benches 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	i) 0.12 ii) 0.12 iii) 120 iv) 140 v) Not applicable	Not Submitted	

	rehabilitation vi) Cost incurred on watch & care during the year	vi) 5000		
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 Applicable	Not Applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not Applicable	Not Applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Not Applicable	Not Applicable	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP report under 26(2) of MCDR-2017 has not been submitted. Violation point out to lessee as per rule		

### 7.0 Mineral Conservation

SN	Item	Proposals (2020-21)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposals incorporated, 95% ROM sailable in the marked	Around 95% ROM is sailable in the market.	
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.	Grade wise sorting is not proposed.	
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 (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposals incorporated	Insignificant top soil is generated during year 2020-21	
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	Small quantity of inter burden generated.	
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	No. proposal are incorporated in the approved mining plan.	

8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Baseline study done	Baseline study has been carried out	
8g	Survival rate	50% survival rate	It is observed as per proposal	
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 the mine 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 saplings of having good survival rate depending on the existing mine climatic condition.		


### 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 (2020-21)	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist is appointed	Geologist is not appointed. Violation is issued to lessee under rule 55 of MCDR-2017	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information given	Information given	
9d	Scrutiny of Annual return on Afforestation	Information given	Information given	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Information given	Information given	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information given	Information given	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Return scrutinized for Ex. Mine price and cost of production.	Cost of production of limestone is as per approved modified M/P	
9i	Scrutiny of Annual return on fixed assets	Information is given	Information is furnished.	
9k	Scrutiny of Annual return on mining machineries	Information is given	Information is furnished.	

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

S. N	Previous date of inspection	07.07.2021	
9b	Violations pointed out in previous inspection	Rule 32(2) and 45(5) (c)	
9c	Check Compliance status of complied violations	Compliance has been made for only 45(5)(c)	
9d	Pending violations	Rule 32(2)	
9e	Status of compliance of MCDR,2017, including therewith the rectification of outstanding violation of rules	Rule11(1),26(2),35(2) and 55	
9f	Violation Detected And Pointed Out During This Inspection	During the current inspection violation of Rule11(1),26(2),35(2) and 55 have been detected to lessee for immediate rectification in addition to this previous violation rule for Rule 32(2) has yet not been rectified.	

Date: 17.01.2022

  
Mukesh Kumar Sharma  
Indian Bureau of Mines