

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	BhimgodaLimestone Mine (Smt. Satya Tomar)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 8.50 Hect. (105.18 Bigha) Forest area: Nil Non-Forest- 8.50 Hectare
2a	Date of Inspection	02.01.2025
3	Mine code	38HPR10061
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/11261/2012
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	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	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	07.07.2004 to 06.07.2024 (Extended up to 06.07.2034 under 8A(5) of MMDR Act)
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	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	
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Sohan Sharma Village-Kamroo, Post-Sataun, Tehsil- Paonta Sahib District - Sirmour (H.P)-173029

		Phone: 7018661867
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Sohan Sharma Village-Kamroo, Post-Sataun, Tehsil- Paonta Sahib District - Sirmour (H.P)-173029 Phone: 7018661867
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 18-10-2021.videLetter No.614(2)/MP-B-210/05-DDN From FY 2021-22 to FY 2025-26 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
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 (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	no Boreholes proposed	NA	Borehole must be done to convert area into G1.
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- 3.57 hectare Area under G2 - 4.92 hectare		
1e	Balance reserves as on 31.07.2021.	As on 01.04.2023 Reserves- 4,001,403 tonnes Resources- 3,794,925 tonnes Total- 7,796,328 tonnes	As on 31.03.2024 Reserves- 3,941,416 tonnes Resources- 3,794,925 tonnes Total- 7,736,341 tonnes	Depletion of reserves during the year= 59986.4 tonnes

1f	General remarks of inspecting officer on geology, exploration etc.	Exploration must be conducted to accurately define the boundaries of the ore body, ensuring a clear understanding of its size, shape, and location. This involves detailed geological surveys and mapping to delineate the ore body's extent. The exploration process helps assess whether the ore body is economically feasible to mine, guiding decisions related to resource development and extraction strategies.	
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2.0 Development

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Development was proposed from 2019 mRL to 2013 mRL with height of 6 meters benches	Development work / 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)	Development proposed in mineralised area only.	Benches are in mineral only.	
2c	Stripping ratio or ore to OB ratio	1:0	Mining operations are in mineralised land at present.	
2d	Quantity of topsoil generation in m3	No proposals are incorporated	2023-24- Nil	
2e	Quantity of overburden generation in m3	No such proposals is incorporated	2023-24- 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 pointed out to lessee as per rule 11(1) of MCDR 2017		

3.0 Exploitation

SN	Item	Proposals (2023-24)	Actual work	Remarks
3a	Number of pits proposed for production	As per proposal, 1 pit was proposed for production of ROM	Observed as per proposal	
3b	Quantity of mineral production proposed (Limestone)	ROM proposed during 2023-24 is 60000 tonne	Total production during 2023-24 is 59986.4Tonne	
3c	Recovery of saleable/ usable mineral from ROM production	95% recovery from ROM	Entire ROM is useable.	

3d	Quantity of mineral reject generation	No proposals is 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	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 by Jack hammer drill of 32 mm dia holes and blasting by slurry explosive.	Deployed as per proposal	
3k	Provision of mining machineries in mineral benches	Compressor, excavator, tippers/dumpers	Deployed as per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	in mineral, Average Height of benches proposed is 6m.	Bench height has been observed more than the proposed height, Violation has been pointed out under rule 11(1) of MCDR 2017.	
3m	Total area covered under excavation/pits	3.5706 h	Broadly as per the proposals	
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	Area at the start of the mining plan Pit=3.5706 h Mineral storage=0.07 h Roads=0.2214 h Total=3.8665h	Area as on 31.03.2024 Pit=3.58 h Waste disposal=0.033 h Roads and others=0.307 h PMCP work=0.2 h Virgin land=4.38 h Total=8.5 h	
3p	Production of Limestone & Shale during last five-year period, as applicable	2019-20=102375 Tonnes 2020-21=117555 Tonnes 2021-22=60000 Tonnes 2022-23=60000 Tonnes 2023-24=60000 Tonnes	2019-20=48329.60Tonnes 2020-21=57284.05Tonnes 2021-22=58001.8Tonne 2022-23=58001Tonnes 2023-24=59986.4Tonnes	
3q	General remarks of inspecting officer on method of mining etc.			

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Mineral stack also has been seen during the inspection.	.
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Mineral stack also has been seen during the inspection.	
4c	Number of dumps within lease area and outside lease area	Not proposed	Not applicable	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not applicable	
4e	Number of active & alive dumps	None	None	
4f	Number of dead dumps	None	None	
4g	Number of dumps stabilised	Not Applicable	Not Applicable	
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 quantified	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer	The mine generates minimal topsoil, which is used for road maintenance and plantation.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposals for backfilling in year 2023-24	Area has not been matured yet for backfilling.	
5b	Area under backfilling of mined out area	No proposals incorporated	Not Applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposals incorporated	Not Applicable	
5d	Total area fully reclaimed & rehabilitated	No proposals incorporated	Not Applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc			

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2023-24)	Actual work (2023-24)	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 (2023-24)	
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 rehabilitation (Parapet wall) vi) Cost incurred on watch & care during the year	Not Proposal Not Proposal Not applicable Not Proposal	Not applicable Not applicable 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 Not applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring proposed	Monitoring is done	
6f	General remarks of inspecting officer on PMCP compliance & progressive	20 saplings proposed during 23-24 in safety barrier zone which have been achieved during the proposed year. 0.02 h area covered under plantation every year.		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	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	Not proposed.	Not Applicable	

	mineral sorted out at mines			
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 (2023-24)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Soil will be used in plantation	The mine generates minimal topsoil, which is used for road maintenance and plantation.	
8b	Concurrent use or storage of topsoil	Not proposed	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Not applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not applicable	
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)	Baseline study done	Cumulative 370 saplings have been planted in last five years	
8g	Survival rate	80%	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			

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 (2023-24)	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining	Mining Engineer	Mining Engineer= Arun Sharma	

	Engineer, Geologist and Manager	and Geologist is appointed	Geologist= Ritu Aggarwal	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area utilisation under current working=3.58h, waste disposal=0.033h Road and others=0.307h PMCP work=0.2h	Waste disposal area is not proposed in the mining plan. Mineral stack=0.07h is proposed	
9d	Scrutiny of Annual return on Afforestation	1)Within lease area-20 plants	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	59986.4 tonne	Within the proposal	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Information given	Sale value, for cement grade= 45705930 ₹. Ex. Mine price, Cement grade=₹424.5 /T. Cost of production =₹328.81/T.	
9h	Scrutiny of Annual return on fixed assets	Information given	Zero	
9i	Scrutiny of Annual return on mining machineries	Information given	Air Compressor, Blast Host Drill and dumper FRONT END LOADER	
9J	General remarks of inspecting officer on aesthetic beauty in and around mines area			

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

MCDR COMPLIANCE PAST AND PRESENT

S.	Previous date of inspection	13-03-2023	
N			

9b	Violations pointed out in previous inspection	Rule11(1), and 34A(2)	
9c	Check Compliance status of complied violations	Rule11 (1), and 34A (2) have been complied.	
9d	Pending violations	No violation is pending	
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	Rule11 (1) and 45(7)	

Date:

Nitin
Junior mining geologist
Indian Bureau of Mines