

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: 0.874 Hect. Forest area: Nil Non-Forest- 0.874 Hectare
2a	Date of Inspection	08-02-2024
3	Mine code	38HPR10078
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/11131/2012
5	Name of the lessee, Address, phone, email and fax number	M/s Balbir Singh Supa Ram Village & Post-Kamroo, Tehsil- Paonta Sahib District-Sirmour (H.P) Phone: 8727955123 Email: bssr2002@gmail.com
6	Village	Banour,
7	Taluka/Mandal	Paonta Sahib
8	District	Sirmour
9	Pin code	173001
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	02.09.2002
15	Date of Execution	02.09.2002
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	Extended up to 02.09.2002 to 01.09.2052
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	M/s Balbir Singh Supa Ram Village & Post-Kamroo, Tehsil- Paonta Sahib District-Sirmour (H.P) Phone: 8727955123 Email: bssr2002@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	Ajay Purkayastha 220/1, Durga Coloney, Paonta Sahib, Sirmour (H.P) ajaypurkayastha@yahoo.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Ajay Purkayastha 220/1, Durga Coloney, Paonta Sahib, Sirmour (H.P) ajaypurkayastha@yahoo.com
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 19-04-2022.videLetter No.614(2)/MS-B-190/11-DDN From FY 2022-23 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.	-
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
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	2022-23- 2 Core Boreholes proposed	2022-23- 2 Core Boreholes was Carried out	Form I is Submitted but Form J is not Submitted
1b	Exploration over lease area for Geological axis 1 or 2.	Entire area is under G1 level of exploration	Entire area is under G1 level of exploration	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area Under G1- 0.54 hectare Area under G2 –0.048 hectare	Potential Mineralized area is explored up to G1 Level	
1e	Balance reserves as on 31.04.2022.	As on 01.04.2022 Reserves-0.099017 million tonnes Resources-0.316115 million tonnes Total- 0.415132 million tonnes	Balance resource as on 01.04.2023 Reserves-0.108941 million tonnes Resources-0.316115 million tonnes Total- 0.425056.7 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Limestone of the region is of lower Himalayan Shivalik series, light grey to white colour limestone. Fine grained, hard and compact.		

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 single pit.	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 ratio	1:0.12	1:0.05	
2d	Quantity of topsoil generation in m ³	No proposals are incorporated	2022-23- Nil	
2e	Quantity of overburden generation in m ³	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
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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 16667 tonne	Total production during 2022-23 is 9924.7 Tonne	
3c	Recovery of salable/ usable mineral from ROM production	95% recovery from ROM	Entire ROM is useable.	
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 mineral generation	Not Proposed	Not Applicable	
3g	Grade of sub-grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating 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	Proposals given	Deployed as per proposal	
3k	Provision of mining machineries in mineral benches	Use of HEMM with Jack Hammer was proposed to be used in the mineral benches	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 more than the proposed height	Bench height was not maintained violation for the same was issued.
3m	Total area covered under excavation/pits	0.327	Broadly as per the proposals	
3n	Ore to OB ratio for the pit/mine during the year	1:0.12	More or less it is 1:0.05	
3o	Total area put in use under different heads at the end of year	0.515 Ha	0.439	
3p	Production of Limestone & Shale during last five-year period, as applicable	2018-19-24420 Tonnes 2019-20-23250 Tonnes 2020-21-Tonnes 2021-22-60000 Tonnes 2022-23-16667 Tonnes	2018-19- 0 Tonnes 2019-20- 8059 Tonnes 2020-21- 14867.26Tonnes 2021-22-3148 Tonne 2022-23-9924.7 Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mining plan was approved on 19-04-2022. 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.		

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	One dump is Proposed within lease area	No dump observed within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumping was proposed towards North west slope of lease area with crated wall.	Dumping has not been carried out at earmarked place.	Violation have to a issue
4e	Number of active & alive dumps	1	Not Seen	
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	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	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 (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) 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 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 applicable 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	100 saplings proposed during 22-23	50 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 been submitted within the stipulated time.		

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	Cumulative 275 saplings have been planted in last two years	
8g	Survival rate	60 to 75%	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 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 is appointed	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area utilisation under current working-0.327, Used for waste disposal -0.166, Building and Road--0.013	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	100 plants was proposed
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	As per submission	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price is 400 per tonne and Cost of production is 170 per tonnes	As per submission	
9h	Scrutiny of Annual return on fixed assets	Information is given	-----	
9i	Scrutiny of Annual return on mining machineries	Front End Loader	-----	
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	13.12.2022	
9b	Violations pointed out in previous inspection	Rule11(1),33,42 & 55 on 13.12.2022 and 34A(2) on Dated 18.10.2023	
9c	Check Compliance status of	Compliance of Rule 55 Compiled	

	complied violations		
9d	Pending violations	Rule11(1),33,42 and 34A(2)	
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),33,42 and 34A(2)	

Date: .03.2024

Mukesh Kumar Sharma
Indian Bureau of Mines