

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Noradhar Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 4.98 Hect Forest area: Nil Non-Forest- 4.98 Hectare
2a	Date of Inspection	04-02-2023
3	Mine code	38HPR10063
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM12992/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Hardev Singh R/o Village & Post-Nohradhar Tehsil- Nohradhar, District-Sirmour(H.P) Phone: 9915825444 Email: harryparwinder@gmail.com
6	Village	Nohradhar
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	18.03.1993
15	Date of Execution	18.03.1993
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	18.03.1993 to 17.03.2043 (Extended up to 17.03.2043 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	Shri N.S.Rana Village-Satun, Post- Satun District – Dehradun Uttarakhand) Phone: 8219340701
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mangit Singh
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri N.S.Rana Village-Satun, Post- Satun District – Dehradun Uttarakhand) Phone: 8219340701
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri N.S.Rana Village-Satun, Post- Satun District – Dehradun Uttarakhand) Phone: 8219340701
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Shubham Guleria(Geologist)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Recently RMP is approved on 21.02.2024 Last Review & Updation of Mining Plan was Approved on 01-02-2017.videLetter No.614(2)/MP-B-271/16-DDN From FY 2017-18 to FY 2021-22 1) Mining Plan was approved on 30-09-2013.(Area=8.48 ha) Vide letter No.614(2)/76-DDN From FY 1993-94 to FY 1997-98 2) Mining Plan was approved on 11-06-2003. Vide letter No.614(2)/MP-B-190/2003-DDN From FY 2003-04 to FY 2007-08 3) FMCP was approved on 11-04-2012. Vide letter No.614(2)/FMCP-8/11-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 (2021-22)	Actual work	Remarks
1a	Backlog of previous year	No proposal (as last mining plan was expired on 2021-22 no valid mining plan available at the time of inspection)	NIL	New Mining Plan was approved on 21.02.2024
1b	Exploration over lease area for Geological axis 1 or 2.	Potential mineralized area is explored up to G1 level i.e 3.23 hect	Potential mineralized area is explored upto G1 level of exploration	As per last approved mining plan dated 01.02.2017
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Potential Mineralized area is already explored upto G1 level, however 1.56 hect falls under G2 and 0.20 hect falls under G3	Potential Mineralized area already explore upto G1 Level, however 1.56 hect falls under G2 and 0.20 hect falls under G3	
1e	Balance reserves as on 31.03.2020.	111-475380 121&122-288285 211-27105 221&222-55770 333-191160	111-473233 121&122-288285 211-27105 221&222-55770 333-191160	214 tonnes were reported as production in the year 2020-21 which was depleted from the 111 category reserve.
1f	General remarks of inspecting officer on geology, exploration etc.	No proposal for reporting year i.e. 2022-23, as last mining plan was expired on 2021-22, reporting year 2022-23 is lapse period and recently RMP is approved on 21.02.2024		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	No proposal for the reporting year i.e. 2022-23	Nil	reporting year 2022-23 is lapse period
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal for the reporting year 2022-23.	Nil	
2c	Stripping ratio or ore to OB ratio	No proposal for the reporting year 2022-23.	Nil	
2d	Quantity of topsoil generation in m3	No proposal for the reporting year 2022-23.	Nil	
2e	Quantity of overburden generation in m3	No proposal for the reporting year 2022-23.	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Reporting year 2022-23 is lapse period and recently RMP is approved on 21.02.2024		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	As per proposal, 5 pits were proposed for production during year 2021-22	During Inspection Mining operation was closed.	
3b	Quantity of mineral production proposed (Limestone)	ROM proposed during 2021-22 is 80062 tonne	Total production during 2021-22 is 1050 Tonne	
3c	Recovery of salable/ usable mineral from ROM production	100% recovery from ROM	Entire ROM is useable.	
3d	Quantity of mineral reject generation	No proposals is incorporated	Mine was temporally discontinued	
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 1.3 mtr. Blasting operation Carried out by using Ammonium Nitrate mixture and safety fuse.	Mining operation temporally discontinued. from 01.09.2022	
3k	Provision of mining machineries in mineral benches	JCB excavators with bucket capacity 0.9 cum using for limestone loading operation and Tata hyva 10 tonnes tippers used for transportation of limestone from mine to stock yard.	Mining operation temporally discontinued. from 01.09.2022	
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.	Mining operation temporally discontinued. from 01.09.2022	
3m	Total area covered under excavation/pits	1.11	0.5 ha so far	
3n	Ore to OB ratio for the pit/mine during the year	1:05	More or less it is 1:00	
3o	Total area put in use under different heads at the end of year	1.513	0.895 ha so far	
3p	Production of Limestone & Shale during last five-year period, as applicable	2017-18-30006 Tonnes 2018-19-50,000 Tonnes 2019-20-65000 Tonnes 2020-21-75000 Tonnes 2021-22-80062 Tonnes	2017-18- 3945 Tonnes 2018-19- 2970 Tonnes 2019-20- 6745 Tonnes 2020-21- 0 Tonnes 2021-22- 1050 Tonne	
3q	General remarks of inspecting officer on method of mining etc.	Mining operation temporally discontinued. from 01.09.2022. Currently Mining plan was approved on 21-02-2024.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	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 during 2021-22	Mine was temporally discontinued due to non renewal of Mining Plan	
4b	Location of topsoil, OB & mineral reject dumps	No Proposals are incorporated during 2021-22	Mine was temporally discontinued due to non renewal of Mining Plan	
4c	Number of dumps within lease area and outside lease area	None.	None	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump proposed inside ML along Boundary Pillar G-H-J-I	Mine was temporally discontinued due to non renewal of Mining Plan	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	0	1 dead 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 available	Nil	
4j	Number of settling ponds	Not Applicable	Not Applicable	
4k	Specific comments of inspecting officer	Mine was temporally discontinued due to non renewal of Mining Plan during 2022-23 Currently Mining plan was approved on 21-02-2024.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	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 2021-22	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 (2021-22)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26 (2)	Proposals are incorporated	PMCP data in not submitted during year 2021-22	
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 Proposed Not Proposed Not Proposed Not Proposed Not Proposed Not Proposed	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 Proposed Not Proposed Not Proposed Not Proposed Not Proposed	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	80 plants (area=0.10)	Not applicable	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring proposed	Monitoring is done	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mine was temporally discontinued due to non renewal of Mining Plan during 2022-23 Currently Mining plan was approved on 21-02-2024		

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,	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	Mine was temporally discontinued due to non renewal of Mining Plan during inspection. Currently Mining plan was approved on 21-02-2024		

8.0 Environment

SN	Item	Proposals (2021-22)	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	40 plants is planted within the lease area during 2021-22	

8g	Survival rate	60 to 70%	40%	
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 (2021-22)	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 already exploited & abandoned -0.060, Used for welfare buildings & Road -0.043 and Other purpose-0.005	-	
9d	Scrutiny of Annual return on Afforestation	1)Within lease area-40 plants 2)Outside lease area-0	As per submission	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Information given	No generation during 2021-22	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	504 tonne is given	As per submission	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price is 426.10 per tonne and Cost of production is 1191.30 per tonnes	As per submission.	
9h	Scrutiny of Annual return on fixed assets	Information is given	----	
9i	Scrutiny of Annual return on mining machineries	JCB and Hydraulic Excavator	----	
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 COMPLIANCE PAST AND PRESENT**

S.N	Previous date of inspection	07.03.2022	
9b	Violations pointed out in previous inspection	Rule 55(1)(c) on 09.04.2022	
9c	Check Compliance status of complied violations	Compliance has been made for Rule Rule 55(1)(c)	
9d	Pending violations	Nil	
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	Mine was temporally discontinued due to non renewal of Mining Plan during inspection. Currently Mining plan was approved on 21-02-2024	

Date: 04.02.2023

Mukesh Kumar Sharma
Indian Bureau of Mines