

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Borli Durga Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area: 4.44 Hect.(55-11 Bigha) Forest area: Nil Non-Forest- 4.44 Hectare
2a	Date of Inspection	04-02-2023
3	Mine code	38HPR10010
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/12351/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Mrigendra Singh S/o Shri Maj,R.H. Singh R/O-Village:Lane Mashoor, Tehsil-Renukaji District-Sirmour-173022 (HP) Phone: 9897094396 Email: guptaassociates009@gmail.com
6	Village	Borli
7	Taluka/Mandal	Renukaji
8	District	Sirmour
9	Pin code	173022
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	
15	Date of Execution	20.04.1984
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	19.04.2004 Period: 20 yrs.(Year w.e.f 19.04.2004 to 19.04.2034)
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 Mrigendra Singh S/o Shri Maj,R.H. Singh R/O-Village:Lane Mashoor, Tehsil-Renukaji District-Sirmour-173022 (HP) Phone: 9897094396 Email: guptaassociates009@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 Ravindar Yadav Village & Post- Satun, Tehsil- Paonta Sahib District – Sirmour (H.P)-173022 Phone: 9816768232
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Ravindar Yadav Village & Post- Satun, Tehsil- Paonta Sahib District – Sirmour (H.P)-173022 Phone: 9816768232
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, D.K.Singha, ( Geology)
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan with PMCP was approved vide letter no.614(2)//M76-DDN dated. 31.10.1989 over an area of 7.76 ha and Modified Mining Plan was approved on 02.02.2017 vide letter no.614(2)/76-DDN. The Proposal Period 2016-17 to 2020-21 and Review and Updation of Mining Plan with PMCP was approved vide letter no. 614(2)//M76-DDN dated. 14.09.2021 over an area of 4.44 ha with Proposal period 2021-22 to 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 (OTFM)
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	2020-21-No Proposal	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	2 Boreholes was proposed during the year 2021-22	No exploration was carried out during the year 2021-22.	Violation pointed out as per Rule 11(1) of MCDR 2017 for under exploration as per proposals.
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- 1.532 hectare Area under G2 – 0.90 hectare Area under G3 – 2.012 hectare Total=4.44 hectare		
1e	Balance reserves as on 01.04.2021.	As on 1.3.2021 Reserves-0.873977 million tonnes Resources-6.050124 million tonnes Total- 6.924101 million tonnes	As on 1.3.2021 Reserves-0.873977 million tonnes Resources-6.050124 million tonnes Total- 6.924101 million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	Exploration need to be done for the proper delineation of the ore body and analysis of quality and quantity.		

### 2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Development was proposed from Pit- I-from 1890 mRL to 1885 mRL and Pit- II from 1805 mRL to 1800 mRL and Pit- III from 1700 mRL to 1690 mRL towards Western Part of lease area with height of benches Five meters	Development work has been carried out at proposed place	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No such proposals are incorporated	Only Mineral benches developed.	
2c	Stripping ratio or ore to OB ratio	-	Mining operation is in mineralised land at present.	
2d	Quantity of topsoil generation in	No proposals are incorporated	Nil	

	m3		
2e	Quantity of overburden generation in m3	144 cubic meter waste shall be generated in the year 2021-22	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 proposed as per approved mining plan. Violation of rule 11(1) is observed.	

### **3.0 Exploitation**

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	As per proposal, 3(Three) pits were proposed for production	Observed as per proposal	
3b	Quantity of mineral production proposed (Limestone)	ROM proposed during 2021-22 is 37050 tonne	ROM generated during 2021-22 is 11399 tonnes.	
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	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	No proposals are incorporated	No segregating is done within the mines.	
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 with 5 metre high bench.	Undertaken as proposed.	
3k	Provision of mining machineries in mineral benches	Proposal given	Machinery provided	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed in mineral benches	Not Operated	
3m	Total area covered under excavation/pits	1.388 h during plan period.	Broadly as per the proposals	
3n	Ore to OB ratio for the pit/mine during the year	-	-	
3o	Total area put in use under different heads at the end of year	2.065 h during plan period	Within the limit,	
3p	Production of Limestone & Shale during last five-year period, as applicable	2017-18-32062 Tonnes 2018-19-33487 Tonnes 2019-20-34200 Tonnes 2020-21-37050 Tonnes 2021-22-37050 tonne	2017-18-Nil 2018-19- 583 Tonnes 2019-20- 10943Tonnes 2020-21-12306 Tonnes 2021-22- 11399 Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Mining plan was approved on 14-09-2021. During the inspection it was observed that proposed development works has been carried out at the earmarked places but the bench parameters are not as per proposals. Violation under rule 11(1) is observed.		

### **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)	781 cum Waste Were proposed in Pit-I,II and	Insignificantly quantity of Over burden is generated	

		Pit-III	during year 2021-22	
4b	Location of topsoil, OB & mineral reject dumps	In Pit-1 & Pit-2, the waste shall be dumped towards slop of working pit over non mining zone and Pit-III waste shall be dumped towards slope side.	Insignificantly quantity of Over burden is generated during year 2021-22	
4c	Number of dumps within lease area and outside lease area	Waste is generated from all the pits shall be dumped separately.	Small stacks of waste were visible during inspection.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	As per proposals dumping waste proposed towards non mining zone and slope side.	No new dump is developed in 2021-22	
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 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 quantity of overburden is present in this mine. proposal incorporated for separated dumping of OB		

#### **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 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 (2021-22)	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 (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 vi) Cost incurred on watch & care during the year	Not applicable 0.05 hect. 50 plants  190 plants  Not applicable -	Not applicable - - area 150 plants in within lease area is mention in Annual Return 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 applicable  Not applicable Not applicable 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	Not Proposed	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	PMCP report under 26(2) of MCDR-2017 has been submitted within the stipulated time.		

### **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. 95% ROM saleable in the marked	
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 carried out at the mine. As learnt shorting is carried out at stockyard.	
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 (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No. proposal incorporated during year 2021-22	No top soil present in this mine	
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)		Cumulative 1820 plants have been planted but survival rate is very poor.	
8g	Survival rate	60 to 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 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.	Information given	Broadly as per submission	
9d	Scrutiny of Annual return on Afforestation	Information given	150 Plants is planted within lease area in year 2021-22	
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	Return scrutinized for Ex. Mine price and cost of production.	Submitted	
9h	Scrutiny of Annual return on fixed assets	Information is given	-----	
9i	Scrutiny of Annual return on mining machineries	Air Compressor, Blast Host Drill and dumper	Seen as per submission	
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**

#### **MCDR COMPLINCE PAST AND PRESENT**

S.N	Previous date of inspection	17.12.2021	
9b	Violations pointed out in previous inspection	Violation and SCN issued on dated on Rule 11(1), 26(2) and 35(2) and 55 on dated 30.12.2021 and 15.03.2022	
9c	Check Compliance status of complied violations	26(2) and 35(2) and 55	
9d	Pending violations	Rule 11(1)	
9e	Violation Detected And Pointed Out During This Inspection	Rule 11(1), 33 and 34A(2)	

Date: 03.02...2023

Mukesh Kumar Sharma

