

**File No- CHG/DRG/LST-38CHG05025**

**MCDR INSPECTION REPORT- 2020-21**

**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	Shri Arun Kumar Gadatia Assistant Mining Engineer Indian Bureau of Mines, Raipur
	Accompany with Mine Officials	VishwapratapTondan, B.Tech , Mines Manager Mob:- 7000726743 Email- <a href="mailto:vishwaprataptondan@gmail.com">vishwaprataptondan@gmail.com</a>
2	Date of inspection	09/03/2022
3	Name of the Mine	Sahgaon Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Govt. Land – Nil Private Land- 4.318 Ha.
5	Mine Code	38CHG05025
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/21126/2017
7	Name of the lessee, Address, phone, email and fax number	Smt. Suman Singh W/o Shri Rana arun Kumar Singh 40 (old) Nehru Nagar Bhillai, Durg (C.G.) – 490020 Tel- 8085099291 & Email- arunsuman91@gmail.com
8	Village	Sahgaon
9	Taluka/Mandal/District	Sahgaon,Dhamdha/Durg
10	State	Chhattisgarh
11	Post office & PIN	Nandani Khundani - 490020
12	Nearest police station	Nandani Nagar
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	18/05/2016
15	Date of Execution	18/05/2016
16	Date of opening of Mine	25/01/2017
17	Date of first Renewal, if applicable and its period & expiry	First Renewal- 18/05/2016 upto 22/05/2066 Date of expiry- 22/05/2066
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Smt. Suman Singh W/o Shri Rana arun Kumar Singh 40 (old) Nehru Nagar Bhillai, Durg (C.G.) – 490020 Tel- 8085099291 & Email- arunsuman91@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not Applicable
22	Name of the Mines Manager	VishwapratapTondan, B.Tech , Mines Manager

	with Address, phone, email, fax number and date of appointment in mines	Mob:- 7000726743 Email- <a href="mailto:vishwaprataptondan@gmail.com">vishwaprataptondan@gmail.com</a>  Date of appointment- 01/06/2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	VishwapratapTondan B.Tech (Mining) 01/06/2018
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Naveen KumarTamrakar, Geologist Date of appointment- 01/06/2018 Mob- 9407779998
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan under Rule 22(4), MCR 1960 DRG/LST/MPLN-1121/NGP, dated-23/11/2012 For period 2016-17 to 2020-21,  Review of Mining Plan under Rule 17(2), MCR 1960 & under Rule 23 of MCDR 2017 DRG/LST/MPLN-1275/2020-RPR, dated- 02/06/2021 For period 201-22 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.	Not applicable.
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-Mechanized
30	Captive/Non Captive	Non Captive
31	Existing EC Limit and validity	26,475 tonne/year
32	Status of Financial Assurance as per Rule 27 of MCDR, 2017	Rs. 10,00,000/- upto 31/03/2021 Bank Guarantee No- 1556IGPER000217 Rs. 11,78,400/- upto 31/03/2026 Bank Guarantee No- 1556IGPER000321

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

### **1.0 Exploration**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
1a	Backlog of previous year	Nil	Not applicable.	-Nil-
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Not applicable	There is no proposal of exploration in 2020-21. Since the entire area is G-1 level of exploration, hence no further exploration is required.

1c	Exploration Agency & Expenditure in lakh Rupees during the year	No proposal	Not applicable	No comment
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Not applicable.	04 Boreholes were drilled in the year 2019-20 Broadly the area covers in G1
1e	Balance reserves as on 01.02.2021 (in Million Tonnes)	111- 1289097 Tonne 211- 1256653 Tonne		Mine is closed since 2021-22 due to no environment clearance.
1f	General remarks of inspecting officer on geology, exploration etc.	Earlier 02 boreholes reported. And 04 boreholes in financial Year 2020-21 of 90 mtrs has been reported.		

## **2.0 Development**

SN	Item	Proposals (2020-21)	Actual work(2020-21)	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	NE of the area	Almost NE of the area	Almost the workable area is developed as pit .
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Three Benches	Three Benches	No comment
2c	Stripping ratio or ore to OB ratio	OB generation- Nil	OB generation- Nil	No comment
2d	Quantity of topsoil generation in m3	Nil	Top soil generation nil.	No comment
2e	Quantity of overburden generation in m3	Nil	Over burden generation nil.	No comment
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The developemnt is not as per proposal.		

## **3.0 Exploitation**

SN	Item	Proposals(2020-21)	Actual work(2020-21)	Remarks
3a	Number of pits proposed for production	1	1	-
3b	Quantity of ROM mineral production proposed	25, 500 mt	22, 300 mt	The production of limestone depend on market.
3c	Recovery of salable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	Nil	Nil	No generation of mineral reject.

3e	Grade of mineral reject generation and threshold value declared	Cement Grade	Cement Grade	-
3f	Quantity of sub-grade mineral generation	Nil	Nil	No generation of sub-grade mineral.
3g	Grade of sub-grade mineral generation	Nil	Nil	No generation of sub-grade mineral.
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal given for beneficiation study	Not applicable.	-
3j	Provision of drilling & blasting in mineral benches	Jack Hammer drill M/C	Jack Hammer drill M/C	-
3k	Provision of mining machineries in mineral benches	Excavator Tipper	Excavator Tipper	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Top Soil – 3mtr Limestone - 3mtr	Top Soil – 3mtr Limestone - 3mtr	As for as proposal.
3m	Total area covered under excavation/pits	Not mentioned specifically yearwise.	Nearly 3.00 Ha. Area covered till date.	No comment
3n	Ore to OB ratio for the pit/mine during the year	Waste generation nil	Not applicable.	No comment
3o	Total area put in use under different heads at the end of year	Not mentioned specifically yearwise.	Nearly 3.00 Ha. Area covered till date.	No comment
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	2016-17 - 10500 2017-18 - 15000 2018-19 – 25500 2019-20 – 25500 2020-21 – 26500	2016-17 - NIL 2017-18 - 10300 2018-19 – 10500 2019-20 – 3400 2020-21 - 22300	-
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is broadly as per proposal.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	No proposal given in approved document.	Not applicable	No top soil generation.
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Topsoil -South West area	South West area	-

4c	Number of dumps within lease area and outside lease area	1 With in lease area	1 With in lease area	No comment
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	South West	South West	No comment
4e	Number of active & alive dumps	1	1	-
4f	Number of dead dumps	Nil	Not applicable	No comment
4g	Number of dumps stabilised	Nil	Not applicable	No comment
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed.	Not applicable	No comment
4i	Length of Retaining wall or garland drain all along dump	Not applicable	Not applicable	No comment
4j	Number of settling ponds	Not applicable	Not applicable	No comment
4k	Specific comments of inspecting officer	There is no major dump only one small active dump inside the lease area.		

### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Not applicable	No comment
5b	Area under backfilling of mined out area	Not proposed	Not applicable	No comment
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	Not applicable	No comment
5d	Total area fully reclaimed & rehabilitated	Not applicable	Not applicable	No comment
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area not matured for backfilling.		

## 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2020-21)	Actual work (2020-21)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	Given	Submitted	No comments
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	250 Tree (In five years)	200 Tree (In five years)	Due to back log of last year.
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	No proposal for backfilling.	Not applicable.	No comment.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not applicable	Not applicable	No comment.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Given	Done	Monitored by Govt. Agency.
6f	General remarks of inspecting officer on PMCP compliance & progressive	Work done as per proposal.		

## **7.0 Mineral Conservation**

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch.	As per proposal.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not proposed.	Not applicable.	No comment
7c	Different grade of mineral sorted out at mines	Not proposed	Not applicable	No comment
7d	Any beneficiation process at mines	Not proposed	Not applicable	No comment
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	During mine visit no sub-grade of reject observed.		

## **8.0 Environment**

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Nil	Not applicable	No comment
8b	Concurrent use or storage of top soil	South West Stock	South West Stock	No comment
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	1 small dump in SW direction.	As per proposal.	No comment
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No generation of OB/Waste/Reject/fines	Not applicable.	No comment
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Area not matured for reclamation.	No comment
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	400 nos saplings	400 nos reported	No comment
8g	Survival rate	Not mentioned in approved document.	Not applicable	No comment
8h	Water sprinkling on roads to control airborne dust	Yes	Yes.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The mine is new with very less mining and allied activity therefore no adverse impact observed.		

## 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto- MARCH 2022 A.R. submitted upto- APRIL 2021 (2020-21)	No comments

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist information given.	Mining Engineer and Geologist were present during visit.	No comments
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workings- 3.340Ha.	Covered under current workings- 3.340Ha.	-
9d	Scrutiny of Annual return on afforestation	Information given 1000 nos		-
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	No comments
9f	Scrutiny of Annual return on ROM stock and/or graded ore	22300 Tonne	22300 Tonne	No comments
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Production cost- 360/- (Per Tonne) Ex-mine price- 400/- (per Tonne)	-	-
9i	Scrutiny of Annual return on fixed assets	Rs. 1258696/- reported	-	-
9k	Scrutiny of Annual return on mining machineries	Given. 02 nos of Shovel (Hydraulic) of 1.000 CUM (Non Electrical)	-	-

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

During the current inspection no serious violation pointed out.

#### Date of Last Inspection, Name and Designation of the Inspecting Officer:

Date of last inspection 25/05/2021 on basis of Office record by Shri R. K. Das, Sr ACOM, and the violation of Rule 35(4) was pointed out. The violation have been rectified.

(Name of the inspecting Officer)

**Arun Kumar Gadatia**  
Asstt. Mining Engineer  
Raipur Regional office



