

MCDR INSPECTION REPORT

1.0 GENERAL

Sl.N	PARTICULARS	DETAILS
1	File No.	CHG/BSTLst-13/ Raipur
2	Name & Designation of the inspecting officer	Shri D.Dash Senior Mining Geologist
3	Date of Inspection	11.05.2022
4	Date of Last Inspection & Officer	10.09.2019 Shri Rudra Narayan Mishra, Sr Mining Geologist
5	Accompanying mine personnel	Shri Rajiv Bajpai, Mine Owner
6	Name of the Mine	Chhaparbhanpuri Limestone Mine
7	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non- forest: 1.376 hect .Forest Land: 00.00 hect. Total Land: 1.376 hect.
8	Mine code	38CHG1004
9	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8762/2012
10	Name of the lessee, Address, phone, email and fax number	Shri Rajiv Bajpai, Main Road, Sadar Bazar, P.O. Jagdalpur, Dist. Bastar, Chhattisgarh, - 494001, email- r_bajpayee@yahoo.co.in Mobile no. 9425590207
	Village	Chhaparbhanpur
	Taluka/Mandal	Jagdalpur
	District	Bastar
	Pincode	494001
	State	Chhattisgarh
	Post office	Chhaparbhanpur
11	Nearest police station	Baranji
12	Nearest Railway station	Jagdalpur
13	Date of Grant of Mining Lease	09.08.1995 for 20 years
14	Date of Execution	01.04.1997
15	Date of opening of Mine	01.04.1997
16	Weekly day of rest	Wednesday
17	Date of first Renewal, if applicable and its period & expiry	Lease period has been extended up to 50 years i.e. 09.08.1995 to 08.08.2045 under Section 8A (3) of MMDR Act, 2015
18	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed.

19	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed.
20	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	In Annual Return, the lessee has mentioned self as Mine Manager
21	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed.
22	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	In Annual Return, the lessee has mentioned self as Geologist.
23	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved on 12.05.1995, vide letter no. BST/LST/MPLN-423/NGP for a period of 2002-03 to 1997-98 to 2001-02
24	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1st Scheme of Mining approved on 02.01.2003 vide letter no. BST/LST/MPLN-423/NGP for the period from 2002-03 to 2006-07 2nd Scheme of Mining approved on 25.04.2008 vide letter no. BST/LST/MPLN-423/NGP for the period from 2007-08 to 2011-12 3rd Scheme of Mining approved on 18.03.2013 vide letter no. BST/LST/MPLN-423/NGP for the period from 2012-13 to 2014-15 Modified Mining Plan approved on 11.08.2016 vide letter no. BST/LST/MPLN-R-6/2017 for the period from 2015-16 to 2019-20 Review of Mining Plan approved on dated 25.06.2020 vide letter no. BST/LST/MPLN-1235/ 2020 for the period from 2020-21 to 2024-25
25	Mineral(s) granted in lease and proved for mining	Limestone
26	Method of Mining (Opencast, Underground)	Opencast

27	Category (Fully Mechanized, Others or Manual)	Category- B, Manual
28	Captive/Non-Captive	Non-Captive mine
29	EC for ROM Prod: Date of Issue:	EC is granted for 7500 tonnes per annum for limestone mining.
30	FA amount Rs Valid up to:	The lessee has submitted Financial Assurance of Rs. 5,00000/- by way of bank guarantee valid up to 17.04.2025

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	Nil	No future proposal for exploration envisaged in approved Mining Plan. The depletion of ore is less due to production of only 2000 tonnes during the year 2020-21 against the proposed production of 7500 tonnes.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as 01.04. 2021 (million tonnes)	111: 0.467 222: 0.365	111: 0.474 222: 0.365	
1f	General remarks of inspecting officer on geology, exploration etc.	The deposit is a regular stratified bedded deposit . A single quarry has been developed in the area which is mined up to 5 m depth. In the process, in almost entire lease area Limestone is exposed. The mine is further explored by drilling of 01 core drill holes with depth up to 30m depth based on which the resources have been estimated in approved Mining Plan. However, the lessee needs to prove the mineral up to depth of mineralisation through borehole drilling to cover the entire mineralised zone under G1 scale of exploration as per UNFC.		

2.0 DEVELOPMENT

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
2a	Location of development w.r.t. lease area	In between co-ordinates N591087.87 to N591187.87 and E2116621.06 to E 2116421.06	In between co-ordinates N591087.87 to N591187.87 and E2116621.06 to E 2116421.06	As proposed.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Top soil /overburden available as such.	No bench for top soil	-do-
2c	Stripping ratio or ore to OB ratio	1 : 0.02	Nil	No waste generated
2d	Quantity of topsoil generation in Tonnes	Nil	Nil	No top soil generated since the entire lease area is exposed by development of quarry
2e	Quantity of overburden generation in m ³	60cum	Nil	No waste generation reported.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During, the 2020-21, small scale production reported due to lack of market for Limestone produced from the mine. A single quarry has been developed which almost covers entire lease area. In central part of quarry, a small area has been kept undisturbed due to existence of a temple worshiped by local people.		

3.0 EXPLOITATION

S.N.	ITEM	PROPOSAL (2020-21)	ACTUAL WORK (2020-21)	REMARK
3a	Number of pits proposed for production	01	01	As proposed.
3b	Quantity of mineral production proposed	7500 T	2000	The mining operations is on lower scale due to lack of market for mineral produced from the mine.

3c	Recovery of saleable/usable mineral from production	7500 T	2000	No dispatch of mineral due to lack of market.
3d	Quantity of mineral reject generation	Nil	Nil	Not generated.
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	-do-
3f	Quantity of sub-grade mineral generation	Nil	Nil	-do-
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed within lease area	Nil	No processing proposed.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No	NA	Not required for Limestone.
3j	Provision of drilling & blasting in mineral benches	Yes	Yes	Done as proposed.
3k	Provision of mining machineries in mineral benches	Drilling machine- 01, Hired tractors- 3 ton cap- 01, unit of 50TPH	Nil	Manual mining done. After drilling and blasting, blasted ore is loaded manually onto hired tractors.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Overall height of bench-04m	Height in Mineral has been kept as 4 to 5 m Meter at present	Minor deviation.
3m	Total area covered under excavation/pits	0.803 Hectares	1.15Hectares (as per Annual Return 2020-21)	Area degradation is marginally on higher side.
3n	Ore to OB ratio for the pit/mine during the year	1:0.02	Nil	No waste generation reported.
3o	Total area put in use under different heads at the end of year	Area under mining: 0.803 ha, remaining land use not specified.	Area under mining: 1.15 ha, as per Annual Return	No violation pointed out due to marginally higher land use due to quarry development.
3p	Production of mineral during last Three - year period, as applicable (tones)	2017-18 - 7125	985	Low scale of production from the period from 2017-18 to 2018-19 is due to lack of EC. From 2019-20 to 2021-22 due to lack of market.
		2018-19 - 7125	0	
		2019-20 - 7125	4966	
		2020-21 - 7500	2000	

		2021-22 - 7500	Nil	
3q	General remarks of inspecting officer on method of mining etc.	The pit is developed at the proposed site. Low scale of production from the period from 2017-18 to 2018-19 is due to lack of EC. From 2019-20 to 2021-22 due to lack of market.		

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 32, 33)	Separate waste dump proposed.	Nil	No waste generation reported from the mine since entire lease area is exposed by development of quarry.
b	Location of topsoil, OB & mineral reject dumps	Top soil-Nil Mineral reject-NIL Waste dump : N 591187 to N591237 and E2116421 to E 2116621.	Waste dump : N 591187 to N591237 and E2116421 to E 2116621. Top soil stack : nil	Waste are spread over 7.5m safety barrier zone on eastern side as proposed in approved Mining Plan.
4c	Number of dumps within lease area and outside lease area	01	01	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed beyond UPL	beyond the UPL.	
4e	Number of active & alive dumps	01	01	
4f	Number of dead dumps	Nil	Not Applicable	
4g	Number of dumps stabilized	NIL	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	No	Nil	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Nil	
4j	Number of settling ponds	Not proposed	Nil	
4k	Specific comments of inspecting officer	Waste is proposed to be dumped on 7.5m safety barrier zone on eastern side of the lease area. Waste dumping done as proposed. No waste generation reported during the year 2020-21.		

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 in approved document	Area not matured for backfilling	No area is mined out.
5b	Area under backfilling of mined out area	Not Proposed	NA	Reason as above.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Top soil is proposed for simultaneous use.	NA	No area is mined out.
5d	Total area fully reclaimed & rehabilitated	Not Proposed	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining operations in the area is in incumbent stage. No area is mined out. Thus, there is no scope of backfilling or rehabilitation at present.		

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 23E (2). Details should be given in the format as given in Annexure-20.	As per 26(2) of MCDR 2017 the annual report has to be submitted	Not Submitted.	Violation of 26(2) of MCDR, 2017 is pointed out.
6b	Management of worked/mined out benches	Not proposed	Nil	No area is mined out.
	i) Area available for rehabilitation (ha)			
	ii) Afforestation done (ha)	Nil	Nil	
	iii) No. of saplings planted during the year	Nil	Nil	Not proposed
	iv) Cumulative no. of plants	Nil	Nil	Not proposed.
	v) Any other specific method of rehabilitation	Nil	Nil	Not proposed.
	vi) Cost incurred on watch & care during the year	Not specific	Not	

			furnished.	
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	Nil	Nil	No area is matured for backfilling.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	200 saplings per year 0.044 ha Plantation	100	Violation of 11(1) of MCDR, 2017 is pointed out.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	proposed.	done	-do-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Plantation on waste dump @ 200 saplings per year proposed. During the year 2020-21, only 100 saplings proposed against proposal of 200 saplings. Violation of 11 (1) of MCDR, 2017 is pointed out.		

7.0 MINERAL CONSERVATION

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No processing of run of mine ore proposed.	A crusher has been reported in Annual Return for the year 2020-21.	Violation of 11(1) of MCDR, 2017 is pointed out for operation of a crusher against no such proposal.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No sorting proposed.	Nil	
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	As per approved document no beneficiation process At mines is proposed.	Not done.	

7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM envisaged to be directly made saleable after blasting. However, a crusher has been reported in Annual Return for the year 2020-21. Violation of 11(1) of MCDR, 2017 is pointed out for operation of a crusher against no such proposal.
----	--	---

8.0 ENVIRONMENT

SN	ITEM	PROPOSALS (2020-21)	ACTUAL WORK (2020-21)	REMARKS
8a	Separate removal and utilization of topsoil (Rule 32)	Nil.	No top soil generated	.
8b	Concurrent use or storage of topsoil	Proposed	-do-	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate waste dump area is proposed.	Waste is dumped on designated space.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Proposed @ 200 saplings/ per year	400 saplings covering an area of 0.06 ha as on 01.04.2021.	
8g	Survival rate	Not mentioned.	Nil	
8h	Water sprinkling on roads to control airborne dust	Not proposed.	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The entire lease is covered by development of a single quarry. The surrounding area aesthetic is undisturbed by the mining activity.		

9.0 COMPLIANCE OF RULE 45

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9 a	Status of submission of monthly and Annual returns	Monthly return for the month of April submitted and Annual Return for the 2021-22 submitted	Returns submitted on time.	Information is correct.
9b	Scrutiny of Annual	Mines Manager: No	Self declared	Violation of

	return for information on Mining Engineer, Geologist and Manager	Mining Engineer: None Mining Geologist: None	as Mines manager and Mining Geologist	Rule 55 (1) (c) (i) of MCDR, 2017 is pointed out.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Under Pit: 1.15 Hectares. Occupied by plant, building & Roads: 0.2 ha, waste dump: 0.01ha	Information on waste dump is incorrect.	Violation of 45 (c) of MCDR, 2017 is pointed out.
9d	Scrutiny of Annual return on afforestation	Nos of plantation during the yr .within lease area-100	Appears to be correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening Stock: 5600 T ROM Production – 2000 Dispatch: nil Closing Stock: 7600 T.	Appears to be correct.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production – Rs 324	Appears to be correct.	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets: Rs 302977	Appears to be incorrect since fixed asset on plant, building furnished.	Violation of 45 (c) of MCDR, 2017 is pointed out.
9k	Scrutiny of Annual return on mining machineries	Crusher : 8 tonnes per hour capacity	Appears to be correct.	Violation of 11(1) of MCDR, 2017 is pointed out, since no proposal of processing of rom proposed in approved Mining Plan.

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

नियम	उल्लंघन के प्रकार का ब्यौरा
11(1)	Following violations are observed against proposals in approved Review of Mining Plan

	<p>approved on dated 25.06.2020 vide letter no. BST/LST/MPLN-1235/ 2020 for the period from 2020-21 to 2024-25</p> <p>(i) A crusher has been installed in lease area, against no such proposal in approved Mining Plan.</p> <p>(ii) 100 saplings have been planted during the year 2020-21 against the proposal of 200 saplings.</p>
26 (2)	A yearly report as per the format specified by Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitate works carried out has not been submitted for the year 2020-21.
45(5) (c)	<p>Following information are furnished incorrectly in submitted Annual Return for the year 2020-2021:</p> <p>(i) Surface area utilization</p> <p>(ii) Mineral reserves</p> <p>(iii) Fixed assets</p>
55 (1) (c) (i)	Part time Mining Engineer and Geologist are not appointed

During the previous inspection on dated 10.06.2019, no violation is pointed out.

Date:

(D.Dash)

Senior Mining Geologist