

MCDR INSPECTION REPORT 2020-21

General:

S.N.	Particulars	Details
1	Name of the Mine	Farhada Limestone Mine (21.373 ha)
2	Date of Inspection:	17/01/2022
3	Name of Inspecting Officer	Prasant Kumar Sahu, Asst. Mining Engineer
4	Name of official accompanying inspection	Shri Vimal Kumar Jain, Owner's Representative
5	Last date of Inspection & Officer	04.03.2020 & Shri Rajesh Kumar Das, Senior Assistant Controller of Mines
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land : 21.373 Ha, Forest Land: Nil. Total : 21.373 Ha
7	Mine code	38CHG14019
8	IBM Registration Number under rule 45 of MCDR,1988	BM/10950/2012
9	Name of the Lease, Address, Phone, email and fax number	Shri Akheraj Lunia, 302 Kamla Appartment, Malviya Nagar, Post & Dist-Durg, Chhattisgarh, Pin-491001 Email- nalinandasso@yahoo.com Phone No-07712235726, Mob:9827145243
10	Village	Phashada
11	Taluka/Mandal	Simga
12	District	Raipur
13	Pin code	493195
14	State	Chhattisgarh
15	Post Office	Suhela
16	Nearest Police Station	Suhela
17	Nearest Railway Station	Bhatapara
18	Date of Grant of Mining Lease	23.12.1995
19	Date of Execution	23.12.1995
20	Weekly day of rest	Sunday
21	Date of opening of Mine	20.10.2004
22	Date of First Renewal, if applicable and its period & expiry	As per sec 8(A) of MMDR (Amendment Act lease period is extended upto 22.12.2045
23	Date of Second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not appointed
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not appointed

27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Not appointed
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Not appointed
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Not appointed
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	1. Mining Plan Approved vide letter no. RAP/Lst/MPLN-450/NGP dated 29.06.1995, Proposal Period: 1995-96 to 1999-2000. 2. Modified Mining Plan Approved vide letter no.RAP/Lst/MPLN450/NGP/2015 dated 05.05.2016, Proposal Period 2015-16 to 2019-20.
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	1. Review of Mining Plan approved vide letter no. BALODA/LST/RMP-1240/2020 dated 05.10.2020, Proposal Period: 2020-21 to 2024-25.
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Opencast
34	Category (Fully Mechanized, Others or Manual)	Category-A
35	Captive/Non-Captive	Non-Captive
36	Present EC Status	60000 Tonne Per Year, EC granted on 09/08/2012
37	Status of Financial Assurance	1. BG No-0182IGFIN000515 dated 26.06.2015, Amount- Rs. 2,00,000/- Valid upto 25.06.2025 2. BG No-0182IGPER000118 dated 03.01.2018, Amount- Rs. 17,00,000/- Valid upto 02.01.2028 3. BG No-0182IGFIN000222 dated 10.02.2022, Amount- Rs. 11,17,000/- Valid upto 02.01.2028

Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
1a	Backlog of previous year Proposals	No backlog	Not applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	G1-2.75 ha G2-0.43 ha	Not done	Area of 2.75 ha under G1 category and area of 0.43 ha under G2 category explored through six (06) nos. of vertical core boreholes of 200 x 200 interval.
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	No Proposal	Not Applicable	

1d	Balance area to be explored to bring Geological axis in 1 or 2.	18.62 ha	Not done	
1e	Balance reserves as on 01.04.2021	Under 111:11959670 T Under 211:1251325 T Under 221 & 222 :2380180 T		Violation pointed out for incorrect information furnished in part-V of AR.
1f	General remarks of Inspecting officer on geology, exploration etc.	Area of 2.75 ha under G1 category and area of 0.43 ha under G2 category explored through six (06) nos. of vertical core boreholes of 200 x 200 interval. As per approved Review of Mining Plan no proposal for further exploration has been envisaged during the year.		

2.0 Development:

S.N	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
2a	Location of Development w.r.t. lease area	E-601793.80 m to E-601893.80 m N-2393608.16 m to N-2393699.16 m	Not done	Mining operation is discontinued due to lack of market demand.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Topsoil: NIL OB/Waste: NIL Mineral: 01 nos.	Not done	-do-
2c	Stripping ratio or ore to OB ratio	1:0.02	Nil	No mining operation observed during the year
2d	Quantity of topsoil generation in m ³	813 m ³	Nil	No topsoil generated during the plan period
2e	Quantity of overburden generation in m ³	478 m ³	Nil	No overburden generated during the plan period
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	The mining operation is discontinued during the plan period due to lack of market demand.		

3.0 Exploitation:

S.N	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
3a	Number of pits proposed for production	01	Not done	No mining operation observed during the year
3b	Quantity of ROM mineral production proposed	58555 tonne	Nil	-do-
3c	Recovery of Salable/usable mineral from ROM production	98 %	Nil	No generation of OB/MR
3d	Quantity of mineral reject generation	No Proposal	Nil	No generation of mineral rejects
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Not Applicable	Nil

3f	Quantity of sub-grade mineral generation	No Proposal	Not Applicable	Nil
3g	Grade of sub-grade mineral generation	No Proposal	Not Applicable	Nil
3h	Manual/Mechanized method adopted for segregation from ROM	Not envisaged in approved document	Not Applicable	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study proposed	No such study carried out	Not required for limestone mineral
3j	Provision of drilling & blasting in mineral benches	Light shallow drilling and blasting proposed	Nil	Mining operation is discontinued due to lack of market demand.
3k	Provision of mining machineries in mineral benches	Excavator-1 nos.- 2.1 m3 Tipper-2 nos. of 20 tonne Drilling machine-02 nos.	Nil	-do-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil: NIL OB/Waste: NIL Ore/Mineral: 5 mt.	Nil	-do-
3m	Total area covered under excavation /pits	6.034 ha up to end of plan period.	3.101 ha up to end of 2020-21	As per proposal
3n	Ore to OB ratio for the pit/mine during the year	1:0.02	Nil	No generation of waste
3o	Total area put in use under different heads at the end of year	Pit-5.362 ha Dump-0.252 ha Infra/road-0.399 ha Others-0.021 ha (up to end of plan period)	Pit-2.702 ha Infra/road-0.399 ha (up to end of 2020-21)	Workings within proposed area
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	2016-17: 57000	2016-17: 0.00	Actual production within proposed limit
		2017-18: 57000	2017-18: 15892.98	
		2018-19: 57000	2018-19: 0.00	
		2019-20: 57000	2019-20: 44313.690	
		2020-21: 58555	2020-21: 0.00	
3q	General remarks of inspecting officer on method of mining etc	The mining operation is discontinued during the plan period due to lack of market demand.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Topsoil-813 m ³ OB-478 m ³	Nil	No top soil and OB generated during the year
4b	Location of topsoil, OB & mineral reject dumps	Northern part of the lease area	Nil	-do-
4c	Number of Dumps within lease area and outside lease area	No proposal	Nil	-do-
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Northern part of the lease area	Nil	-do-
4e	Number of Active & Alive dumps	No proposal	Nil	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps established	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	No topsoil and OB generated during the year as the mine is not under operation due to lack of market demand.		

5.0 Solid Waste Management-Backfilling:

S.N.	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	No proposal	Not applicable	Area is not matured for back filling
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	Not applicable	
5d	Total area fully reclaimed & rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No proposal for back filling and reclamation in the plan period as the area is not matured for backfilling.		

6.0 Progressive Mine Closer Plan:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2). Details should be given in the	PMCP report to be submitted	PMCP report not submitted	Violation of Rule 26 (2) of MCDR, 2017 is

	format as given in Annexure-20			pointed out
6b	Management of worked/mined out benches	No proposal	Nil	No area is mined out
	Area available for rehabilitation (Ha)	No proposal	Nil	
	Afforestation done (ha)	0.080	Nil	Mining operation is discontinued due to lack of market demand.
	No. of saplings planted during the year	200	Nil	-do-
	Cumulative no. of plants	No proposal	Nil	
	Any other specific method of rehabilitation	No proposal	Nil	
	Cost incurred on watch & care during the year	No proposal	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	No proposal	Nil	No area is matured for backfilling
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	No proposal	Nil	No waste dump within the lease area
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed environmental monitoring in core and buffer zone	Environmental monitoring is carried out	Done as proposed
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	PMCP report for this financial not submitted. Violation of Rule 26 (2) of MCDR, 2017 is pointed out.		

7.0 Mineral Conservation:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	No Proposal	Not applicable	Mining operation is discontinued due to lack of market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Not envisaged in the approved	Not applicable	Not required for Limestone

		document		
7c	Different grade of mineral sort out at mine	No proposal	Nil	Not required
7d	Any beneficiation process at mines	No proposal	Nil	Not required
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is only bendable grade of limestone available and approximately 98% of ROM was considered as salable ore.		

8.0 Environment:

S.N.	Item	Proposals (2020-21)	Actual Work (2020-21)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Nil generation of topsoil	
8b	Concurrent use or storage of topsoil	Used for plantation, no proposal for stacking	-do-	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Northern part of lease near to BP-18	Nil	Mining operation is discontinued due to lack of market demand
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	200 nos. saplings will be planted during 2020-21	Nil	Mining operation is discontinued due to lack of market demand
8g	Survival rate	Not mentioned in the approved document	Not applicable	
8h	Water sprinkling on roads to control airborne dust	Yes	Not done	Mining operation is discontinued due to lack of market demand
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	No such activity carried out during the year as the mine is not under operation due to lack of market demand.		

9.0 Compliance of Rule 45:

S N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted up to Feb-2022		
		AR submitted up to 2020-21		
S N	Item	Details Given in A.R.	Observation of I/Officer	Remarks
9 b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer-Shri Mukesh Kumar Manager-Not appointed Geologist- Not appointed	During inspection Mining Engineer and Geologist not present	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit -2.241 ha Waste disposal-1.00 ha Others-0.20 ha	Pit-2.702 ha Infra/road-0.399 ha (up to end of 2020-21)	Violation of Rule 45(5) (C) of MCDR, 2017 is pointed out
9 d	Scrutiny of Annual return on afforestation	Within lease area- Nil	Not planted any tree as the mine is not under operation during the year	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	No mineral reject has been Generated during F.Y. 2020-21	Not applicable	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	No stock reported	Not applicable	
9 g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Nil dispatch of mineral in the financial year	Not applicable	
9i	Scrutiny of Annual return on Fixed assets	Rs. 0.00/-	Report as per Annual Return	
9 k	Scrutiny of Annual return on mining Machineris	Not reported	Mining operation is discontinued due to lack of market demand	

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

Sl. No.	Details of violations observed during current inspection and compliance position of earlier violation pointed out:
26(2)	A yearly report as per the format specified by the Indian Bureau of Mines, before 1st day of July every year setting forth the extent of protective and rehabilitative works carried out as envisaged in the approved mine closure plan has not been submitted for the year 2020-21.
45(5)(C)	While scrutiny of annual return for financial year 2020-21 following discrepancies are observed; i) At part – I of table no. 12, the lease area (surface area) utilization at the end of the year has not been furnished. ii) At part – III of table no. 2 (Royalty and Rents), the payment made to the State Govt. under the heads of Dead Rent & Surface Rent have not been mentioned. iii) At part-IV (Consumption of Explosive), the overburden removed (in Tonne) is furnished incorrectly. iv) At part-V (General Geology & Mining), updated reserves and resources at the end of the year are furnished incorrectly.

Date of previous inspection by Shri R. K. Das, Senior Assistant Controller of Mines on 04.03.2020, violation of Rule 11(1) and 11(4) of MCDR, 2017 were pointed out. The violations have been rectified.

Date: 21.03.2022

Name: Prasant Kumar Sahu
Designation: Assistant Mining Engineer