

MCDR INSPECTION REPORT 2021-22

**General**

Sl. No.	Particulars	Details
	File No-	MP/DRG/Lst-31/NGP
1	Name of the Mine	Nadini Khudini Limestone Mine
2	Date of Inspection	18/01/2023
3	Name of Inspecting Officer	Debadurllav Dash, Regional Mining Geologist
4	Name of official accompanying inspection	Shri Raju Kumar Tandi, Mining Engineer, Representative of the lessee.
5	Last date of Inspection & Officer	04.10.2019 by Shri Rajesh Kumar Das, Sr. ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	1.92 Ha
7	Mine code	38 MPR 13025
8	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5674/2011
9	Name of the lessee, Address, phone, email and fax number	Smt. Mohini Devi Mishra,48/3 ,Nehru Nagar(E), Bhillai ,Durg, Chhattisgarh -490020, Phone/Fax- 9425237021, Email-mdmlimestonemines@gmail.com
10	Village	Nandini Khudini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post office	Nandini Khudini
16	Nearest police station	Nandini Nagar
17	Nearest Railway station	Durg
18	Date of Grant of Mining Lease	14/06/1993
19	Date of Execution	07.07.1998
20	Weekly day of rest	SUNDAY
21	Date of opening of Mine	04.08.1998
22	Date of first Renewal, if applicable and its period & expiry	Period-07/07/1998 to 06/07/2018
23	Date of second Renewal, if applicable and its period & expiry	As per Section 8 A (6) of MMDR Act, 2015 (Amendment), lease period will be extended for the period from 07/07/2018 to 06/06/2048. The supplementary lease deed has not been executed.
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not applicable.
26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	None
27	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	None. The mine was non-working due to lack of environment clearance.
28	Name of the Mining Engineer & Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed.
29	Whether Geologist and Mining	Not appointed. Violation of Rule 55 of MCDR, 2017 is not

	Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	pointed out since the mine is non-working. .
30	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining plan approved vide letter no. DRG/LST/MPLN-07/NGP Nagpur dated 14.01.1990 for the period from 1997-98 to 2001-02. Mining Plan (for renewal of the lease) approved vide letter no. DRG/LST/MPLN-07/NGP dated 14.06.2013 for the period from 2013-14 to 2017-18.
31	Date of Approval of Review of Mining Plan/Modified Review of Mining Plan with five-year period and specific condition in approval letter, if any.	1 <sup>st</sup> Scheme of Mining (Not submitted) lapse period: 2002-03 to 2006-07 2 <sup>nd</sup> Scheme of Mining approved vide letter no. DRG/LST/MPLN-608/NGP dated 18.09.2009 for the period from 2008-09 to 2012-13., lapse period: 2007-08 3 <sup>rd</sup> Scheme of Mining: approved vide letter no. DRG/LST/MPLN-608/NGP dated 04.04.2014 for period from 2013-14 to 2017-18. Review of Mining Plan approved vide letter no. DRG/LST/MPLN-1150/2018/ Raipur dated 25.05.2018 for the period from 2018-19 to 2022-23.
32	Mineral(s) granted in lease and proved for mining	LIMESTONE
33	Method of Mining(Open cast, Underground)	OPENCAST
34	Category (Fully Mechanised, Others or Manual)	MECHANIZED
35	Captive/Non Captive	NON-CAPTIVE
36	Present EC Status	Not obtained yet.
37	Status of Financial Assurance	Bank guarantee for Rs 10 lakh valid up to 26.03.2023.

**Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan.  
Exploration**

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
1a	Backlog of previous year	During the year 2018-19, one borehole was proposed	Nil	No violation is pointed out since the mine is non-working due to lack of environment clearance.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserves as on 01.04.2022 (tonnes)	121: 201740 ( as on 31.03.2018)	121: 201740	No mining operations carried out during the period hence no depletion of ore.
1f	General remarks of inspecting officer on geology, exploration etc.	In the lease area, one borehole was drilled during the previous planned period. During the year 2018-19, drilling of one borehole was proposed which has not done. No violation of 11(1) of MCDR, 2017 is pointed out since the mine is non-working due to lack of EC.		

**Development**

S.N.	Item	Proposals 201-22	Actual work 2021-22	Remarks
2a	Location of development w.r.t. lease area	Within the Present Pit	Nil	No mining operations were carried out during the planned period due to lack of EC.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Proposed	Maintained	
2c	Stripping ratio or ore to OB ratio	0.4	Nil	No mining operations during the year.
2d	Quantity of topsoil generation in m <sup>3</sup>	Nil	Nil	-do-
2e	Quantity of overburden/waste generation in m <sup>3</sup>	16,200	Nil	-do-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine was non-working during the planned period due to lack of environment clearance.		

**Exploitation**

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
3a	Number of pits proposed for production	01	Nil	No mining operations carried out during the planned period due to lack of E.C.
3b	Quantity of Limestone production proposed	40500 tonnes	Nil	-do-
3c	Recovery of salable/usable mineral from ROM production	Nil	Nil	-do-
3d	Quantity of mineral reject generation	Nil	Nil	-do-
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and	Nil	Nil	

	reject			
3j	Provision of drilling & blasting in mineral benches	As Per Regulation	Nil	
3k	Provision of mining machineries in mineral benches	As Per Regulation	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM			
3m	Total area covered under excavation/pits	1.68 Ha	1.68 Ha	
3n	Ore to OB ratio for the pit/mine during the year	0.4	Nil	
3o	Total area put in use under different heads at the end of year	Not specific.	Covered under current (O/C) Workings: 1.56ha	
3p	Production of ROM mineral during last five-year period, as applicable	2018-19 – 40201 T 2019-20 – 40500 T 2020-21 – 40500 T 2021-22 – 40500 T	2018-19 – 0 T 2019-20 – 0 T 2020-21 – 0 T 2021-22 – 0 T	Mine was non-working during the period.
3q	General remarks of inspecting officer on method of mining etc.	No pit development or any mining operations carried out during the planned period due to lack of environment clearance.		

#### **Solid Waste Management-Dumping**

S.N	Item	Proposals 2021-22	Actual work 2021-22	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Top soil stacking was proposed in 7.5m safety barrier zone during the year 2018-19.	Nil	No violation is pointed out since the mine was non-working during the planned period due to lack of EC.
4b	Location of topsoil, OB & mineral reject dumps	On 7.5m safety barrier zone	Nil	-do-
4c	Number of dumps within lease area and outside lease area	Nil	Nil	-do-
4d	Location of dumps w.r.t. ultimate pit limit	Outside UPL	Nil	-do-
4e	Number of active & alive dumps	Nil	Nil	-
4f	Number of dead dumps	Nil	Nil	-
4g	Number of dumps stabilised	Nil	Nil	-
4h	Whether Retaining wall or garland drain all along dumps are there	Nil	Nil	-
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump	Top soil stacking was proposed in 7.5m safety barrier zone during the year 2018-19. No violation is pointed out since the		

	management	mine was non-working during the planned period due to lack of EC.
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### **Solid Waste Management-Backfilling**

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	No area is mined out which warrant backfilling.
5b	Area under backfilling of mined out area	Nil	Nil	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Nil	Nil	-do-
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	-do-
5e	General remarks of inspecting officer on backfilling, reclamation etc.	No area is mined out which warrant backfilling.		

### **Progressive Mine Closure Plan**

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2).	Yes	Not submitted.	Violation is not pointed out since, the mine was non-working during the planned period due to lack of EC.
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	Nil Nil Nil 200 Nil Nil	Nil	No area is mined out. Plantation of 200 saplings were proposed along 7.5m safety barrier zone against no plantation has been carried out. The mine non-working due to lack of EC due to which no violation is pointed out.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L *B * 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	-do-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha)	Nil	Nil	

	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)			
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	No area is mined out. Yearly report on PMCP is not submitted. Proposed plantation of 200 saplings during the year 2018-19 is not carried out. No violation is not pointed out since the mine is non-working due to lack of EC.		

### **Mineral Conservation**

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	40500 T	0 T	No mining operations have been carried out due lack of EC.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	mechanical	Nil	-do-
7c	Different grade of mineral sorted out at mines	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No grade-wise sorting of the run of mine ore was proposed in approved Mining Plan. Dispatch of 40,50 tonnes of run of mine was proposed during the year 2021-22 against which no ore has been dispatched since the mine is non-working.		

### **Environment**

S.N.	Item	Proposals 2021-22	Actual work 2021-22	Remarks
8a	Separate removal and utilization of topsoil	During the year 2018-19, the lease boundary on eastern & southern side was proposed to be covered by a soil bund.	Nil	The mine was non-working during the period due to lack of EC.
8b	Concurrent use or storage of topsoil	Simulations use was proposed	Not done	Reason as above.
8c	Separate dumps for overburden, waste rock, rejects and fines	proposed	Not done	Reason as above.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done	0.02 ha area covered by plantation as on	Nil	

		end of 2018-19. Further 0.146 ha area was proposed to be covered under plantation of 200 saplings in 7.5 safety barrier zone and 0.075 ha in soil bund by planation of 120 saplings.		
8g	Survival rate	80%	Nil	
8h	Water sprinkling on roads to control airborne dust	Proposed	Done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	0.02 ha area covered by plantation as on end of 2018-19. Further 0.146 ha area was proposed to be covered under plantation of 200 saplings in 7.5 safety barrier zone and 0.075 ha in soil bund by planation of 120 saplings. No work has been carried out during the planned period as the mine was non-working due to lack of EC.		

#### **Compliance of Rule 45**

S.N.	Item	Comments		Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return – Dec. 2022 Annual Return – 2021-22		
S.N.	Item			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Onkar Prasad Khuswa Geologist: Shri Santosh Kumar Funde	Both were not present during the inspection of the mine.	No violation is pointed out due to non-working nature of the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C)  Workings : 1.56 ha	Appears to be correct.	
9d	Scrutiny of Annual return on afforestation	Nil	No fresh plantation noticed during the inspection.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	No mineral rejects was observed during the inspection of the mine.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Opening stock & closing stock 28405.478 tonnes	Appears to be correct.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex price : Nil Cost of production: nil	-	
9i	Scrutiny of Annual return on fixed assets	Nil	No fixed assets noticed in the mine.	
9k	Scrutiny of Annual return on mining machineries	PUMPS (ELEC.): 5 litre / minute	Used for de-watering	

10- (a) Compliance position of earlier violation pointed out: -

During the previous inspection on 04.10.2019 by Shri Rajesh Kumar Das, Sr. ACOM, violation of Rule 11(1) and 35(2) of MCDR, 2017 were pointed out. The violations are still outstanding.

Since, the mine was non-working due to lack of EC, based on current inspection, no violation is pointed.

Date

(Debadurllav Dash)  
Regional Mining Geologist