

MCDR INSPECTION REPORT

1/30771/2024

General:

Sl.No	Particulars	Details
1	Name of the Mine	Nandini-Khundini Limestone Mine
2	Date of Inspection:	25.09.2023
3	Name of Inspecting Officer & Designation	Soumallya Roy, AME
4	Name of official accompanying inspection	Shri Amit Kashyap, Representative of Mine owner
5	Last date of Inspection & Officer	18.01.2023, Shri Debadurllav Das, RMG
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-forest land- 4.55 Ha.
7	Mine code	38MPR13024
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/5674/2011
9	Name of the Lease, Address, Phone, email and fax number	Smt. Mohini Devi Mishra , 48/3,Nehru Nagar, Bhilai, District-Durg (C.G) 490020
10	Village	Nandini Khundini
11	Taluka/Mandal	Dhamdha
12	District	Durg
13	Pin code	490036
14	State	Chhattisgarh
15	Post Office	Nandini Nagar
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	14.06.1993
20	Weekly day of rest	Sunday
21	Date of opening of Mine	01.08.1993
22	Date of First Renewal, if applicable and its period & expiry	As per section 8A of MMDR Amendment Act, 2015, the lease period has been extended up to 50 years i.e upto 13.06.2043.
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	Smt. Mohini Devi Mishra , 48/3,Nehru Nagar, Bhilai, District-Durg (C.G) 490020
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	Mr. Raju Kumar Tandi
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 & carrying out their duties as per provision of MCDR 2017.	Mr. Santosh Kumar Funde, Geologist
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in	Letter no. DRG/LST/MPLN-07/NGP, dated

	approval letter, if any.	14/01/1990, Letter no. DRG/LST/MPLN-07/NGP, dated 14/06/2013
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining / Review of Mining plan with five- year period and specific condition in approval letter, if any.	Review of Mining Plan approved vide letter no. DRG/LST/KHYO-1151/2018, dated 25/05/2018 Proposal Period: 2022-23 to 2026-27
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Open Cast
34	Category (Fully Mechanized, Others or Manual)	Category "A"
35	Captive/Non-Captive	Non Captive
36	Present EC Status	40, 000 Tonne per Annum
37	Status of Financial Assurance	Bank Guarantee of Rs.12,75,000/- valid up to 27/03/2023.

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

1.0 Exploration:

S. N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
1a	Backlog of previous year Proposals	Nil	Nil	As per the approved document 3.80 Ha. area Covered under G1 and remaining 0.75 covered under G2 area.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Nil	
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Nil	
1e	Balance reserves as on 01.04.2023	Under 121- 334499 T (As on 31.03.2018)	Balance reserves as on 01.04.2023: Under 121- 332999 T	
1f	General remarks of Inspecting officer on geology, exploration etc.	Entire lease area is explored under G1 level as per approved review of Mining plan. Mines was suspended by this office vide letter no. CHG/RAP/LST-27/Raipur/333 dated 04.10.2023 under Rule 11(1) 7& 26 (2) of MCDR 2017.		

2.0 Development:

S. N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
2a	Location of Development w.r.t. lease area	Within the present pit.	Within the present pit. Also 7.5m safety barrier zone was found encroached by extension of quarry.	Production is less due to lack of demand. No OB/mineral reject generated during this year.
2b	Separate benches in topsoil overburden and mineral (Rule	Benches in topsoil/OB not Proposed during	Only mineral bench present.	

	15)	the year.		
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Mines was suspended by this office vide letter no. CHG/RAP/LST-27/Raipur/333 dated 04.10.2023 under Rule 11(1) 7& 26 (2) of MCDR 2017.		

3.0 Exploitation:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
3a	Number of pits proposed for production	01 Pit	01 Pit	
3b	Quantity of ROM mineral production proposed	39750 T	700 T	Very low production due to poor market demand.
3c	Recovery of Salable/usable mineral from ROM production.	100%	100 %.	
3d	Quantity of mineral reject generation.	Nil	No mineral reject generation.	There is no top soil and OB generation during the year.
3e	Grade of mineral reject generation and threshold value declared.	-	Not applicable	
3f	Quantity of sub-grade mineral generation	Nil	Not applicable	
3g	Grade of sub-grade mineral generation.	Nil	Not applicable	
3h	Manual/Mechanized method adopted for segregation from ROM.	Mecchanized	Mecchanized	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject.	Not proposed	Not applicable	
3j	Provision of drilling & blasting in mineral benches.	Proposed	As proposed	
3k	Provision of mining machineries in mineral benches	Proposed	As proposed	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Mineral bench height-3 m and bench width – more than 3.0 m	As proposed	There is no top soil and OB generation during the year.
3m	Total area covered under excavation /pits	3.95 Ha during plan period.	Approx 3.95 Ha. covered under pits.	
3n	Ore to OB ratio for the	Nil	Nil	

I/30771/2024

	pit/mine during the year			
3o	Total area put in use under different heads at the end of year	Total area put in use 2.448 Ha	Approx 3.95 Ha. covered under pits.	
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	34839 T (2018-19)	0 T (2018-19)	
		36488 T (2019-20)	0 T (2019-20)	
		39750 T (2020-21)	0 T (2020-21)	
		39750 T (2021-22)	800 T (2021-22)	
		39750 T (2022-23)	700 T (2022-23)	
3q	General remarks of inspecting officer on method of mining etc	There is no top soil and OB generation during the year.		

4.0 Solid Waste Management-Dumping:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Not proposed.	Nil.	There is no top soil /mineral reject and OB generated during the year.
4b	Location of topsoil, OB & mineral reject dumps	Not proposed.	Nil.	
4c	Number of Dumps within lease area and outside lease area	Nil.	Nil.	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Within lease area.	Within lease area.	
4e	Number of Active & Alive dumps	Nil.	Nil.	
4f	Number of dead dumps	Nil.	Nil.	
4g	Number of dumps established	Nil.	Nil.	
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management	There is no top soil and OB/mineral reject generated during the year.		

5.0 Solid Waste Management-Backfilling:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area	Nil	Nil	There is no top soil and OB

I/30771/2024

	before starting backfilling			generation. Area is not matured for reclamation and rehabilitation. No area is mined out.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	There is no top soil and OB generation.		

6.0 Progressive Mine Closer Plan:

S. N.	Item	Proposals (2022-23)	Actual Work(2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	Yes.	Not submitted.	Mines was suspended by this office vide letter no. CHG/RAP/LST-27/Raipur/333 dated 04.10.2023 under Rule 11(1) 7& 26 (2) of MCDR 2017.
6b	Management of worked/mined out benches	Nil	Nil	
	Area available for rehabilitation (Ha)	Nil	Nil	As per AR.
	Afforestation done (ha)	Nil	Nil	
	No. of saplings planted during the year	Nil	50	
	Cumulative no. of plants	Nil	40	

	Any other specific method of rehabilitation	Nil	Not furnished.	
	Cost incurred on watch & care during the year	Nil	Not furnished.	
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	Nil	No area is mined out.	No area is mined out.
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	Not proposed.	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	Proposed.	Nil	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	There is no top soil /OB/ mineral reject generated during the year. No area is mined out. Mines was suspended by this office vide letter no. CHG/RAP/LST-27/Raipur/333 dated 04.10.2023 under Rule 11(1) 7& 26 (2) of MCDR 2017.		

7.0 Mineral Conservation:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	39750 T	700 T	The production is less in comparison to proposal due to lack of market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Nil	Nil	
7c	Different grade of mineral sort out at mine	ROM Mineral dispatch.	ROM Mineral dispatch.	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The production is less in comparison to proposal due to lack of market demand.		

8.0 Environment:

S. N.	Item	Proposals (2022-23)	Actual Work (2022-23)	Remarks
8a.	Separate removal and utilization of topsoil (Rule32)	Not Proposed.	Nil	There is no top soil and OB
8b.	Concurrent use or storage of topsoil	Not proposed.	Nil	
8c.	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Not proposed.	Nil	

1/30771/2024

8d.	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Nil	generation.
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 (Rule 41)	Not furnished.	50 no.	

8g.	Survival rate	Not mentioned.	80%	
8h.	Water sprinkling on roads to control airborne dust	proposed	Observed.	
8i.	General remarks of inspecting officer on aesthetic beauty in and around mine area	There is no top soil and OB generation.		

9.0 Compliance of Rule 45:

SN	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	MR submitted upto August 2023. AR submitted for 2022-23.		AR & MR submitted regularly.
SN	Item	Details Given in A.R.	Observation of I/ Officer	
9a	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details of Mining Engineer & Geologist furnished.	Mining Engineer & Geologist present during inspection.	-
9b	Scrutiny of Annual return on afforestation	Within lease area 50, Survival Rate 80%	Mentioned in AR.	
9c	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	
9d	Scrutiny of Annual return on ROM stock and/or grade ore	Closing stock- 8008.060 T	Appears to be correct.	
9e	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex. Mine price Rs 435.00/-	Non-captive consumption.	
9f	Scrutiny of Annual return on Fixed assets	No fixed assets reported	No fixed assets reported.	
9g	Scrutiny of Annual return on mining Machineries	Dumper	Observed deployed	

I/30771/2024

10. Details of violations observed during inspection-

No violation pointed out during inspection. Mines was already suspended by this office vide letter no. CHG/RAP/LST-27/Raipur/333 dated 04.10.2023 under Rule 11(1) 7& 26 (2) of MCDR 2017.

Signature:
Name: (S. Roy)
Designation: AME