

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR inspection report
Goa regional office

- (i) Name of the Inspecting Officer and ID No. : Vidyadhar V. Tari
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine Official with Designation : Shri. Mithilesh Naik, Legal Heir of Lessee
- (iv) Date of Inspection : 21.05.2024
- (v) Prev. inspection date : 21.10.2021

PART-I : GENERAL INFORMATION

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1. (a) Mine Name : Chittakula Limeshell Mine
(M.L.No.2230)
- (b) IBM Registration Number under rule 45 of MCDR, 1988 : IBM/14698/2012
- (c) Mine code : 37KAR15011
- (d) Type of Working (Opencast, Underground) : Opencast
- (e) Category (Fully Mechanized, Others or Manual) : Cat. B, Manual
- (f) Captive/ Non captive : Non-captive
- (g) Postal Address
- Village : Chittakula & Kanasageri
- Taluk/Mandal : Karwar
- District : Uttar Kannada
- Pin code : 581352
- State : Karnataka
- Post office : Sadashivgad
- Nearest police station : Chittakula
- Nearest Railway station : Asnoti
- 2 Address for correspondance : Shri. Mithilesh P.Naik,
(Proprietor/Legal Heir),
M/s. Naik Minerals,
House No. 331 D,
Shri. Mahamaya Temple Road,
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		Chittakula, Sadashivgad, Taluka-Karwar, District-North Kannada, Karnataka-581352 Mail ID: mithinaik05@gmail.com
3	(a) Total Lease Area (Ha) with breakup of Non-forest and forest land	: 70.21 Ha., Non-Forest
	(b) Date of Grant of Mining Lease	: 03.01.1976
	(c) Date of Execution	: 03.01.1976
	(d) Date of opening of Mine	:
	(e) Date of expiry	: 02.01.2026; as per MMDR Amendment Act, 2015
4	Mineral(s) granted in lease and proved for mining	: Limeshell
5	(a) Name of the lessee, Address, phone, email and fax number	: Shri. Mithilesh P.Naik, (Proprietor/Legal Heir), M/s. Naik Minerals, House No. 331 D, Shri. Mahamaya Temple Road, Chittakula, Sadashivgad, Taluka-Karwar, District-North Kannada, Karnataka-581352 Mail ID: mithinaik05@gmail.com
	(b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	: Shri. Mithilesh P.Naik, (Proprietor/Legal Heir), M/s. Naik Minerals, House No. 331 D, Shri. Mahamaya Temple Road, Chittakula, Sadashivgad, Taluka-Karwar, District-North Kannada, Karnataka-581352 Mail ID: mithinaik05@gmail.com
	(c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment	: Shri. Mithilesh P.Naik, Legal Heir of Lessee
	(d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	:
	(e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	:
	(f) Name of the Geologist, Qualification and total experience with Address, phone,	:

	email, fax number and date of appointment in mine	
6	Date of Approval of Mining Plan/Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	: RMP Approved vide letter no. RMP/MAN-09(KNT)/GOA/2021-22 dated 02.03.2022 for the period from 2021-22 (From January'2022) to 2025-26 (Upto 02.01.2026).

PART - II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration:

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	14 Samples	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	14 Samples	G1: Nil G2: 69.42 Ha.	
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 on <u>01.04.2024</u>		Total Reserves of Limeshell is 0.7209 million tonnes (UNFC Cat.122)	As per A.R. for F.Y. 2023-24
1f	General remarks of inspecting officer on geology, exploration etc.	of Mining Lease area is explored by lessee under G2 level of exploration. Kali River bed is replenishable in nature.		

Development:

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Proposal is given to work from North to East direction as shown over	No Change	

		Pit Layout Plan		
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	Not Applicable	Limeshell mining in river bed is carried out by using small boats. As such, provision of benches does not arise.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	No waste generation is proposed.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	During F.Y.2023-24, proposal is given for mining limeshell only and no waste/overburden handling is proposed.		

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	No proposal for open pit working	Mining is carried out in Kali river bed.	Riverbed mining of Limeshell
3b	Quantity of ROM mineral production proposed	18000 tonnes of limeshell	841 tonnes of limeshell	Violation of Rule 11(1) is issued to lessee.
3c	Recovery of salable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral reject generation and	No proposal	Nil	

	threshold declared	value			
3f	Quantity of sub-grade mineral generation	No proposal	Nil		
3g	Grade of sub-grade mineral generation	No proposal	Nil		
3h	Manual / Mechanised method adopted for segregating from ROM	Manual mining.	Manual mining.		
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil		
3j	Provision of drilling & blasting in mineral benches	No proposal	Not Applicable		
3k	Provision of mining machineries in mineral benches	No proposal	Not Applicable		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Not Applicable		Riverbed mining of Limeshell
3m	Total area covered under excavation/pits	4.4231 Ha	0.043 Ha. as per submitted Annual Return for F.Y.2023-24		
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0		
3o	Total area put in use under different heads at the end of year	Total 4.4231 Ha. area under mining as per approved RMP	O/C working = 0.043 Ha. as per Annual Return for FY. 2023-24		
3p	Production of mineral during last five-year period, as applicable	19-20 = 18000 Tons 20-21 = 18000 Tons 21-22 = 10000 Tons 22-23 = 18000 Tons	19-20 = 1384.42 Tons 20-21 = Nil 21-22 = Nil 22-23 = 150 Tons		

23-24 = 18000 Tons	23-24 = 841 Tons
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3q General remarks of inspecting officer on method of mining etc. of During F.Y.2023-24, lessee has achieved production of 841 tons of limeshell against proposed production of 18000 tons. Violation of Rule 11(1) in this regard is issued to lessee.

Solid Waste Management-Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal	Not Applicable	
4b	Location of topsoil, OB & mineral reject dumps	No proposal	Not Applicable	
4c	Number of dumps within lease area and outside lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Not Applicable	
4e	Number of active & alive dumps	No proposal	Not Applicable	
4f	Number of dead dumps	No proposal	Not Applicable	
4g	Number of dumps stabilized	No proposal	Not Applicable	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Not Applicable	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Not Applicable	
4j	Number of settling ponds	No proposal	Nil	

4k	Specific comments of inspecting officer on waste dump management.	In this type riverbed mining of limeshell, waste dump management is not applicable.
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Solid Waste Management-Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Not Applicable	
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	Backfilling, reclamation etc. is not applicable in this type riverbed mining. Limeshell deposit is replenishable in nature.		

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	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.	To be submitted before 1 st July every year	Submitted	
6b	Area available for rehabilitation (ha)	No proposal	Nil	
6c	Afforestation done (ha)	Not Specified	Nil within ML Area	
6d	No. of saplings planted during the year	75 (Mangrove) saplings	150 (Mangrove) saplings	Planted outside mining

				lease with 75% survival rate
6e	Cumulative no. of plants (Mangrove) saplings proposed upto 2025-26 as per approved proposal.	375	150 nos. planted as reported by the lessee.	
6f	Any other specific method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch & care during the year	Not specified	Rs. 2500/- as stated by lessee.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposal	Not Applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	No proposal	Not Applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	No proposal	Not Applicable	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not Applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No proposal	Not Applicable	
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No proposal	Not Applicable	

6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No proposal	Not Applicable
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Not Applicable
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Environment monitoring is carried out as reported by lessee
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	PMCP compliance is found to be satisfactory.	

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM/Mineral dispatch is proposed.	No change	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Yes	Sorted out at mines	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Limeshell is proposed for direct selling mainly to poultry industries.		

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Not Applicable	
8b	Concurrent use or storage of topsoil	Not Proposed	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not Applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	Mining lease is located within Kali river bed. Limeshell deposit is replenishable in nature.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Information provided	150 mangrove plants reported to be planted during 2023-24 outside mining lease area.	Mining lease is located within Kali river bed. Therefore, plantation was done outside mining lease area.
8g	Survival rate	80%	75%	
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Not Applicable	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mining area appears to be good. Impact on environment is negligible due to manual mining.		

Compliance of Rule 45:

Sl.No.	Item	COMMENTS	Remarks	
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to April'2024 & A.R. for the year 2023-24 is submitted on 30.06.2024	Submitted within time limit.	
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	Mines Manager - Harichandra, Mining Engineer- V.P.Navare & Mining Geologist - Rajesh	No Mining Engineer and Geologist were found appointed during inspection of the mine.	Violation of Rule 55(1)(3) is issued to lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C Working = 0.043 Ha.	Covered under O/C Working = 0.043 Ha.	As per the Annual Return submitted for FY 2023-24
9d	Scrutiny of Annual return on afforestation	150 plants	150 plants. outside mining lease area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Closing Stock- 58.730 T	ROM Closing Stock- 58.730 T	As per the Annual Return submitted for FY 2023-24
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex- Mine Price reported as Rs.3000.00 per tonne and Production Cost is Rs. 1120.00 per tonne	Ex- Mine Price reported as Rs.3000.00 per tonne and Production Cost is Rs. 1120.00 per tonne	As per the Annual Return submitted for FY 2022-23
9i	Scrutiny of Annual return on fixed assets	Furnished as Nil	No fixed asset is found	

present within
M.L.area.

9k Scrutiny of Annual return Mining machinery 05 small boats
on mining machineries details furnished were observed.
as 05

Details of violations observed during current inspection and compliance position of violation pointed out

Rule NO.	Violation observed		Rule NO.	Show cause position	
	Issued on	Compliance on		Issued on	Compliance on
MCDR 17 Rule 11(1)	29.05.2024	01.08.2024			
MCDR 17 Rule 55(1)3)	29.05.2024	01.08.2024			

Date:- 23.08.2024

(Vidyadhar V. Tari)

Indian Bureau of Mines