

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**Mining Plan Modification REPORT**

**Goa regional office**

**Mine file No :** KNT/NK/LSH-31/GOA

**Mine code :** 37KAR15013

- (i) Name of the Inspecting : **K02** ) **KALMATA M.K.**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : **SHRI. K. PRABHAKAR REDDY, TQP AND SHRI. ADITYA P. GAO**  
Official with  
Designation
- (iv) Date of Inspection : 07-FEB-19
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GAONKAR MINES M.L.2219**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : NORTH KANARA
- Village : TADRI
- Taluka : KUMTA
- Post office : TADRI
- Pin Code : 581437
- FAX No. : -----
- E-mail : gaonkarmines@gmail.com
- Phone : 08386-256280, 257636,25727
- (f) Police Station : Gokarna
- (g) First opening date : 15-JAN-72
- (h) Weekly day of rest : SUN
2. Address for : Shri P.P.Gaonkar, Gaonkar Mines  
correspondance At &Po- Tadri  
Tq-Kumata-581347 (Karnataka)
3. (a) Lease Number : KAR0572
- (b) Lease area : 27.51
- (c) Period of lease : 10
- (d) Date of Expiry : 16-FEB-97
4. Mineral worked : LIMESHELL Main

## 5. Name and Address of the

Lessee : Late P.S.Gaonkar (P.P.Gaonkar)  
'Sneh Sadan' Matakari  
Aryadurga temple Road  
Ankola NORTH KANARA  
KARNATAKA  
Phone:08386-57278,56280  
FAX :

Owner : Late P.S.GAONKAR( Shri P.P.GAONKAR)  
'Sneh Sadan' Matakari  
Aryadurga Temple Road  
Ankola NORTH KANARA  
KARNATAKA  
Phone: 08386-57278,562  
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	03-MAR-03
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	26-MAY-06
		Mining Scheme rule 12 MCDR1988	07-JAN-11
		Renewal under rule 24 MCR1960	05-JAN-12

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal for the year 2017-18	Nil	The lease is expired on 06.01.2012 and mine was not working due to pending renewal. The approved mining plan was expired on 31.03.2016, there after lessee has not submitted any document for approval. Now the State Government has extended the lease period upto 06.01.2022 and asked lessee to submit mining plan for execution of lease. Now lessee has submitted modified mining plan approval which is under process.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Mine was not working due to pending renewal and Lessee is not having valid mining plan/scheme of mining from 31.03.2016 onwards.
1c	Exploration Agencies and 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 reserve as on 01/04/20		Reserves as on 01.04.2018	
			Proved Reserves (111) - 9304361 tonnes.	

1f	General remarks of inspecting officers on geology, exploration etc	The limeshell deposits are of recent origin and are confined to estuaries and backwater of major rivers joining Arabian sea. This lease is situated in the Aganashini river. Limeshells are the hard cover of calcium carbonate protecting the soft bodied marine organisms. Lime shell deposits are replenishable in nature. Previously exploration was carried out by inserting rods only. Now lessee has suggested to explore by hand auger drill.
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## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Nil	Nil	No approved document from 2015-16 onwards.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	No benches will be formed in the limeshell mine. The limeshell is being extracted using steel plate with nylon nets and extracted ore will be washed in the net itself.
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine is not working due to lease renewal is pending with the state government. The last approved mining plan was expired 31.03.2016, there after lessee has not applied any document for approval. Now the State Government has extended the lease period upto 06.01.2022 and asked lessee to submit mining plan for execution of lease. Now lessee has submitted modified mining plan approval which is under process.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Nil	Nil	No approved document from 2015-16 onwards.
3b	Quantity of ROM mineral production proposed	Nil	Nil	
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	

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3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	No benches will be formed in limeshell mining. The limeshell will be extracted using steel plates with nylon nets attached to a long bamboo sticks.No drilling and blasting is required.
3k	Provision of mining machineries in mineral benches	Nil	Nil	No machineries will be required in limeshell mines. Workings are to be carriedout manually using boats. The extraction of ore will be done using steel plates with nylon nets attached to a long bamboo.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Nil	Nil	No benches will be formed in limeshell mines.
3m	Total area covered under excavation/pits	Nil	Nil	No pits were formed.Working will be carried out in the river only.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	

3o	Total area put in use under different heads at the end of year	Nil	Nil	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 79625 tonnes 2015-16-79625 tonnes 2016-17 Nil 2017-18 Nil 2018-19 Nil 201	No production was carried out from 2014-15 onwards.	The mine was not working due to renewal issue and no production was carried out in the last five years.
3q	General remarks of inspecting officers on method of mining etc.			The mine is not working.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	No approved document from 2015-16 onwards.
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Limeshell is normally mixed with sand and silt. The limeshell will be washed in the net itself and sand silt will be settled down in the place of mining only and no topsoil or OB will be dumped separately.
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	The sand and silt will be washed at the place of mining only and no dump is formed.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	

4e	Number of active and 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.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Limeshell is normally mixed with sand and silt. the sand and silt mixed with limeshell wis being washed in the place of mining only and no dumps will be formed.

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Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Nil	Nil	The limeshell deposit is replenishable in nature. The dead shell flow with the tides of river current and may get deposited in the river. Mineral will be redeposited in the mined out area and no pits will be formed. So backfilling is not required.
5b	Area under backfilling of mined out area	Nil	Nil	



5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	The sand and silt mixed with the limeshell be washed at the place of mining only.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The limeshell deposit is replenishable in nature. The dead shell flow with the tides of river current and may get deposited in the river. Mineral will be redeposited in the mined out area and no pits will be formed. So backfilling is not required.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Before 1st day of July every year.	Not submitted.	The mine is not working due to renewal issues and no approved document from 205-16 onwards.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	Most of the lease area falls in the river only.
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Not applicable.	
6f	Any other method of rehabilitation	Nil	Not applicable	

6g	Cost incurred on watch and care during the year	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	The mine was not working due to pending renewal and environmental monitoring was not done. However the mining will be carried out manually in the river by using boats. So no major environmental pollution is anticipated.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			The mine is not working due to pending renewal and no PMCP was approved from 2015-16 onwards. However the mining will be carried out manually in the river by using boats. So no major environmental pollution anticipated.

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#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	The limeshell mixed with sand and silt will be washed in the place of mining only and separate sorting is required.
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 and beneficiation issues			The limeshell mixed with sand and silt will be washed in the place of mining only and separate sorting is required.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	In general the sand and silt mixed with the ore will be washed at the place of mining only.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	In general the sand and silt mixed with the ore will be washed at the place and mining only and after washing the sand and silt will settle there only.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	No pits and dumps will be formed in the limeshell mining.

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)			The mining lease is located in the river only and surrounding area is fully vegetated.
8g	Survival rate	Nil	Nil	The lease area located in the river only and no plantation is done.
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	The mine is not working. The mine is located in the river only and mining will be done manually using boost, so no airborne dust will be generated.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The lease is located in the river. The surrounding area is thickly vegetated.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			Violation is pointed out for the same

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 27(1)	14-FEB-19			
MCDR17	Rule 35(2)	14-FEB-19			
MCDR17	Rule 45(5) (k	14-FEB-19			
MCDR17	Rule 45(5) (c	14-FEB-19			
MCDR17	Rule 55(1) (3)	14-FEB-19			
MCDR17	Rule 27(1)	14-FEB-19			
MCDR17	Rule 35(2)	14-FEB-19			
MCDR17	Rule 45(5) (k	14-FEB-19			
MCDR17	Rule 45(5) (c	14-FEB-19			
MCDR17	Rule 55(1) (3)	14-FEB-19			

**Date :**

(KALMATA M.K.)

Indian Bureau of Mines