

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : KNT/NK/LSH-33/GOA

Mine code : 37KAR15030

- (i) Name of the Inspecting : **K07**) **KRISHNENDU CHATTERJEE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/shri. Vinayak R.Kawari, Nominated Owner & V.P.Navar
Official with
Designation
- (iv) Date of Inspection : 15-NOV-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GOKARNA (MLNO.2667)**
- (b) **Registration NO.** : **IBM/10991/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : NORTH KANARA
Village : GOKARNA
Taluka : KUMTA
Post office : GOKARNA
Pin Code : 581326
FAX No. :
E-mail : veeranjaneyaminederals@yahoo
Phone : 9448145991, 08386-224691
- (f) Police Station : GOKARNA
- (g) First opening date : 05-SEP-11
- (h) Weekly day of rest : SUN
2. Address for : C/O: Vinayak R Kawari At: Siddanbavi, Kumta
correspondance : North Kanara- 581343
3. (a) Lease Number : KAR1682
- (b) Lease area : 4.85
- (c) Period of lease : 20
- (d) Date of Expiry : 23-AUG-31
4. Mineral worked : LIMESHELL Main

5. Name and Address of the

Lessee : SHRI VEERANJANEYA MINERALS
C/O VINAYAK R. KAWARI SHRI
"RAM-VATSA", SIDDANBHAVI
NORTH KANARA KARNATAKA
Phone:9448145991
FAX :

Owner : VINAYAK R.KAWARI
'Shree Ramavatsa' ,
Siddandhavi Maroor Road
Kumta Dist- Uttar Kannada
NORTH KANARA KARNATAKA
Phone:
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 14-JUL-11
Plan/Scheme of Mining MP modif under 17(3) MCR 2016 19-AUG-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal in 2020-21.	Nil during 2020-21	
1b	Exploration over lease area for geological axis 1 or 2	No proposal	G1: Nil G2: 4.85 Ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	G2 achieved over the ML area.	Deposit is replenishable in nature.
1e	Balance reserve as on 01/04/20		43,324 tonnes of Limeshell (UNFC Cat. 122). CaO average quality 53.93%	As on 01.04.2021
1f	General remarks of inspecting officers on geology, exploration etc		ML area was explored by the lessee under G2 level by 5 nos. of sampling points, carried out in 2016. Deposit is located at Aghanashini river bed and replenishable in nature; having thickness of only 1m. Further 66 nos. of sampling points has been proposed by the lessee in the existing RMP period (2021-22 to 2025-26).	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1607500 N to 1607950 N, E 429720 E to 430100 E	1607500 N to 1607950 N, E 429720 E to 430100 E	No change in location.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Not applicable.	Limeshell is collected from the river bed by the local fisherman community using small boats. Therefore, provision of benches does not arise.
2c	Stripping ratio or ore to OB ratio	No proposal	Not applicable.	No waste generation proposed while collection of Limeshell.
2d	Quantity of topsoil generation in m3	No proposal	Not applicable.	
2e	Quantity of overburden generation in m3	No proposal	Not applicable.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		No proposal for waste removal/OB handling was proposed in 2020-21. Entire ML is mineralised; proposals are given for collection of Limeshell only.	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal for open pit working.	Mining lease is located within the Aghanashini river bed.	Area covered under ML 4.85 Ha.
3b	Quantity of ROM mineral production proposed	25,000 tonnes of Limeshell	Nil	The mine was not in operation during last five years.
3c	Recovery of sailable/usable mineral from ROM production	80% recovery of ROM proposed.	Not Applicable.	No production reported in 2020-21.
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Not applicable.	

3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Not applicable.	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual mining peoposed.	Manual mine.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	
3j	Provision of drilling and 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.	
3m	Total area covered under excavation/pits	4.51 Ha. at the end of F.Y. 2021-22.	4.51 Ha.	0.34 Ha. of balance ML area is covered by mangroves in shallow water.
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	Area under mining: 4.51 Ha.	Area under mining: 4.51 Ha.	

3p	Production of ROM mineral during the last five year period as applicable	2016-17: 25,000 2017-18: 25,000 2018-19: 25,000 2019-20: 25,000 2020-21: 25,000 (in tonnes)	No production is reported during 2016-17 to 2020-21.	Mine is non-working due to pending Statutory clearances.
3q	General remarks of inspecting officers on method of mining etc.		The mine has not been operation during last five years due to pending Statutory clearances. Notice of temporary discontinuance notice was not found submitted by the lessee; violation of rule 28(1) was issued dated 30.11.2021.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Not applicable.	Waste dumps, top soil and mineral reject stocks are not available in the ML area.
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Not applicable.	
4c	Number of dumps within lease area and outside of 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 and alive dumps.	No proposal	Not applicable.	
4f	Number of dead dumps.	No proposal	Not applicable.	
4g	Number of dumps established.	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 dumps	No proposal	Not applicable.
4j	Number of settling ponds	No proposal	Nil
4k	Specific comments of inspecting officer on waste dump management		Entire ML is mineralised and located within the Aghanashini river bed. Waste dump, top soil and mineral reject stocks are not present in the ML area.

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.	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 mineral out area (Rule 32)	No proposal	Not applicable	
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Deposit is replenishable in nature.	

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed.	Not Submitted for F.Y. 2020-21 on or before 1st July, 2021.	The mine is not in operation during last five years.
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 nos.	80 nos. at outside the ML area during 2020-21.	
6e	Cumulative no .of plants	Not specified.	Apprx. 200 nos. mangroves planted outside the ML area.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Not specified	Rs. 2000/- as stated by the lessee.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on 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 rehabilitation (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 and buffer zone)	Proposed.	Environmental monitoring is carried out yearly basis.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No change in PMCP compliance status as the mine was not in operation during last five years.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch proposed manual sorting.	Nil as the mine is non working.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Not applicable.	
7c	Different grade of mineral sorted out at mines.	Proposed for all sorted Limeshell.	Nil.	CaO average quality 53.93% in Limeshell.

7d	Any beneficiation process at mines	No proposal	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Manual sorted Limeshell is proposed for direct selling, mainly to the poultry industries.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Not applicable.	
8b	Concurrent use or storage of topsoil	No proposal	Not applicable.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Not applicable.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable.	Mining lease is located within the Aghanashini river bed and the deposit is replenishable in nature.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Information provided.	Apprx. 200 nos. mangroves planted outside the ML area.	Mining lease is located within the Aghanashini river bed. Therefore plantation was carried out outside the lease hold area.

8g	Survival rate	Not specified.	80 to 90%.
8h	Water sprinkling on roads to control airborne dust	No proposal	Not applicable.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty around the mining area is good and impact on environment is negligible due to manual mining operation.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to Dec. 2021 & A.R. Submitted up to 2020-2021		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri K. Chikkanna Information are furnished as Nil in respect of Manager and Geologist .	No Mining Engineer and Geologist were found appointed.	The mine is non-working since last five years. Lessee stated that the Mining Engineer and Geologist would be appointed on resumption of mining activity.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Information are furnished as Nil.	Area under mining: 4.51Ha.	Lessee advised to correct the deficiency, AR has been referred back on dated 20.01.2022.
9d	Scrutiny of Annual return on afforestation	80 nos.	80 nos. outside ML area.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: 583 tonnes.	Actual was also same at that time of inspection.	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price: Rs. 1400/tonne & Production Cost: Rs. 922/tonne	Ex. Mine price & production cost are mentioned incorrectly in the AR. No mine production and despatch is reported during 2020-21.	AR has been referred back on dated 20.01.2022 for necessary correction.
9h	Scrutiny of Annual return on fixed assets	Furnished as Nil.	No fixed asset is found present within the ML area.	
9k	Scrutiny of Annual return on mining machineries	Furnished as Nil.	No mining machinery is available in the ML area.	

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

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(4)	30-NOV-21			
MCDR17	Rule 27(1)	30-NOV-21			
MCDR17	Rule 28(1)	30-NOV-21			
MCDR17	Rule 45(5)(k	30-NOV-21			
MCDR17	Rule 45(5)(c	30-NOV-21			

Date :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines