

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : KNT/BJP/LST-88/GOA

Mine code : 38KAR26069

- (i) Name of the Inspecting : **VT01**) **VIDYADHAR V.TARI**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S/SHRI. L.S.HIREMATH, LESSEE & G.S.HEGDE, TQP
Official with
Designation
- (iv) Date of Inspection : 24-DEC-21
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHIKKALAGUNDI (2574)**
- (b) **Registration NO.** : **IBM/5355/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : KARNATAKA
- District : BAGALKOT
- Village : CHIKKALGUNDI
- Taluka : BILAGI
- Post office : CHIKKALGUNDI
- Pin Code :
- FAX No. :
- E-mail : bm2574@gmail.com
- Phone : 9972090609
- (f) Police Station : Biligi
- (g) First opening date : 05-MAR-08
- (h) Weekly day of rest : FRI
2. Address for : SHRI L.S.HIREMATH
correspondance : GANIGARA GALLI
AT & PO-LOKAPUR-587122, TQ-MUDHOL, DIST-BAGALKOT
3. (a) Lease Number : KAR1583
- (b) Lease area : 1.61
- (c) Period of lease : 20
- (d) Date of Expiry : 03-FEB-28
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : LINGANAND S HIREMATH
 GANIGARA GALLI LOKAPUR TQ-
 MUDHOL BAGALKOT KARNATAKA
 Phone:9448225799
 FAX :

Owner : LINGANAND S HIREMATH
 GANIGARA GALLI AT & PO-
 LOKAPUR TQ-MUDHOL BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : Girish Ballari,Part Time
 Qualification : B.Tech (Mining)
 Appointment/ : 01-JAN-20
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	29-JAN-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	10-APR-12
		MP modif under 17(3) MCR 2016	06-FEB-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	04 Core boreholes were reported drilled by lessee for total 120 meterage in the year 2016-17
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal is given during the year 2020-21.	Nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal during 2020-21	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	The entire lease area is covered under Geological axis 1 or 2
1e	Balance reserve as on 01/04/20	-	Total Reserves of Limestone is 0.16 Million Tonnes	As on 01.04.2021
1f	General remarks of inspecting officers on geology, exploration etc	-	-	No exploration proposal is given for the year 2020-21. Entire lease area is covered under Geological axis 1 or 2

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Proposal is given in the existing pit as shown over Development Plan.	No change in development location	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Nil	-
2c	Stripping ratio or ore to OB ratio	1:0.10	1:0.123	-

2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of overburden generation in m3	888.8 m3 (2222 tonnes) during 2020-21	850 tonnes during 21	Overburden consist of mainly intercalated waste.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Mining operations were not carried as per the proposals. Violation of Rule 11(1) is pointed out to lessee.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	As per the proposal, only single pit is available / present	-
3b	Quantity of ROM mineral production proposed	20000 tonnes	6880 tonnes	Violation is pointed out to lessee
3c	Recovery of sailable/usable mineral from ROM production	95%	95%	-
3d	Quantity of mineral reject generation	Nil	Nil	-
3e	Grade of mineral rejects 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	Manual Mining	Manual Mining	-

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	Proposed Jack Hammer drilling & blasting by using slurry explosives	Jack Hammer drilling and blasting by using slurry explosives	-
3k	Provision of mining machineries in mineral benches	Not proposed	Nil	Manual Mining is being carried out
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the benches proposed is 3m	3m bench height is observed to be maintained	-
3m	Total area covered under excavation/pits	1.0 Ha	1.0 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.10	1:0.12	-
3o	Total area put in use under different heads at the end of year	Mining- 1.00 ha, Roads- 0.01ha, Green Belt-0.34 ha. at the start of plan period (2017-18)	Mining- 1.00 ha, Roads- 0.01ha, Dumps-0.10 ha, Green Belt-0.34 ha. at the end of approved plan period (2021-22)	-
3p	Production of ROM mineral during the last five year period as applicable	16-17 = 20000 Tonnes 17-18 = 20000 Tonnes 18-19 = 20000 Tonnes 19-20 = 20000 Tonnes 20-21 = 20000 Tonnes	16-17 = 6667 Tonnes 17-18 = 12710 Tonnes 18-19 = 11924 Tonnes 19-20 = 9380 Tonnes 20-21 = 6880 Tonnes	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mining operations were not carried as per the proposals. Violation of Rule 11(1) is pointed out to lessee.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of Overburden/int ercalated waste is proposed	Separate dumping of OB / waste is being done as proposed	-
4b	Location of topsoil, OB and mineral reject dumps	Waste / Overburden dumping is proposed in Southern side of the lease area.	Waste / Overburden dump is located in the Southern side of the lease area	-
4c	Number of dumps within lease area and outside of lease area	Within Lease - 01	Dump is located within lease area	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL (Southern side)	Dump is located within UPL (Southern side)	-
4e	Number of active and alive dumps.	01	01	-
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.	Yes	Yes	-
4i	Length of Retaining wall or garland drain all along dumps	-	-	-
4j	Number of settling ponds	Nil	Nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	waste/overburden dump was observed in Southern side of the lease area. Retaining wall and garland drain is found constructed.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Backfilling is not proposed	Nil	No part of the lease area has matured for backfilling
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	-
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Backfilling / Reclamation has not been envisaged since mineral has not been exhausted from any part of the lease area.

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 July every year	Not Submitted for FY 2020-21	Violation issued in this regard
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable	-
6c	afforestation done (ha).	0.02 Ha	100 plants reported planted during 2020-21 within lease area and 25 plants outside lease area with around 45-50% survival rate	-
6d	No. of saplings planted during the year	Proposed 50 plants	100 plants reported planted during 2020-21 within lease area and 25 plants outside lease area with around 45-50% survival rate	As reported in Annual Return for FY 2020-21

6e	Cumulative no .of plants	250 plants proposed during plan period from 2017-18 to 2021-22	480 Nos. reported planted WML and 25 Nos. OML	As reported in Annual Report on PMCP for 2020-21
6f	Any other method of rehabilitation	No proposal	Not applicable	-
6g	Cost incurred on watch and care during the year	-	-	-
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	50 plants proposed	100 plants reported planted during 2020-21 within lease area and 25 plants outside lease area with around 45-50% survival rate	-

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	-	-	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	-	By plantation	-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Monitoring is done by private consultant	-	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mineral has not been exhausted from the pit hence backfilling / reclamation and rehabilitation has not been envisaged.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise mineral dispatch is proposed after sizing and manual sorting.	Mineral dispatch is done after sizing and manual sorting.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-
7c	Different grade of mineral sorted out at mines.	Yes	Different grade of mineral is sorted out at mines	-
7d	Any beneficiation process at mines	No Proposal	Nil	-

7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	During 2020-21, Cement Grade limestone was dispatched after manual sizing and sorting.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	-
8b	Concurrent use or storage of topsoil	Not proposed	Nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB/Waste disposal is proposed	Separate dump for OB/Waste is maintained.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed to use for mine road strengthening and construction of Retaining wall / Bund	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	100 plants reported planted during 2020-21 within lease area and 25 plants outside lease area with around 45-50% survival rate	-
8g	Survival rate	Not specified	45-50%	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling is being carried out on haul roads.	-

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 due to mining is less due to small scale manual mining operation.
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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 November'2021 & A.R. Submitted up to 2020-2021	Submitted within time limit.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer is indicated	Mining Engineer is appointed. Details not furnished in Annual Return	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under O/C Working = 0.900 Used for Waste Disposal = 0.021 Road, Buildings, Infrastructure = 0.015	Covered under O/C Working = 0.900 Used for Waste Disposal = 0.021 Road, Buildings, Infrastructure = 0.015	As per Annual Return submitted for FY 2020-21
9d	Scrutiny of Annual return on afforestation	50 plants proposed	125 plants reported to be planted during 2020-21 (WML-100 & OML-25)	As per Annual Return submitted for FY 2020-21
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	Opening Stock- 19721.265 Tonnes, Production- 6880 Tonnes Dispatch- 12712.25 Tonnes Closing Stock- 13888.745 Tonnes	Opening Stock-19721.265 Tonnes, Production-6880 Tonnes Dispatch-12712.25 Tonnes Closing Stock-13888.745 Tonnes	Stock is as per the Annual Return submitted for the FY 2020-21
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price for Cement Grade Limestone is reported as Rs. 385.00 per tonne and Production Cost is Rs. 340.00 per tonne	Ex- Mine Price for Cement Grade Limestone is reported as Rs. 385.00 per tonne and Production Cost is Rs. 340.00 per tonne	As per the Annual Return submitted for the FY 2020-21
9h	Scrutiny of Annual return on fixed assets	-	Not furnished	-
9k	Scrutiny of Annual return on mining machineries	-	Information not furnished	-

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(1)	12-JAN-22	06-JUL-22			
MCDR17	Rule 26(2)	12-JAN-22	06-JUL-22			

Date :

(VIDYADHAR V.TARI)

Indian Bureau of Mines