

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BGM/LST-29/Goa

Mine code : 38KAR02037

- (i) Name of the Inspecting : **R\$01**) **R.S.SAUDAGAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri I.L.Ittanavar, Lessee, Shri C.B.Mali, Mining Engi
Official with
Designation
- (iv) Date of Inspection : 31-DEC-21
- (v) Prev.inspection date : 03-AUG-19

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **YADWAD (M.L.NO.2670)**
- (b) **Registration NO.** : **IBM/19410/2015**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : KARNATAKA
District : BELGAUM
Village : SIRISAGAR
Taluka : GOKAK
Post office : YADAWAD
Pin Code : 36
FAX No. :
E-mail : ilittannavar@gmail.com
Phone : 09008068841
- (f) Police Station : Kuligod
- (g) First opening date : 06-AUG-14
- (h) Weekly day of rest : SUN
2. Address for : Mudhol Road,
correspondance : Yadwad, Tq. Gokak
Distt. Belgaum
3. (a) Lease Number : KAR1698
- (b) Lease area : 3.12
- (c) Period of lease : 20
- (d) Date of Expiry : 23-FEB-34
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : I. L. ITTANNAVAR
 Mudhol Road Yadwad Belgaum
 BELGAUM KARNATAKA
 Phone:9008068841
 FAX :

Owner : ISHWARAPPA LAXMAPPA ITTANNAVAR
 LAXMAPPA ITTANNAVAR YADWAD
 BELGAUM KARNATAKA
 Phone:
 FAX :

Mining Engineer

Name : CHANNAPPA MALI, Full Time
 Qualification : DIPLOMA MINING
 Appointment/ : 01-APR-21
 Termination date

Geologist

Name : Rathish George, Part Time
 Qualification : M.Sc Geology
 Appointment/ : 01-MAR-15
 Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 04-JAN-12
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 30-MAY-18

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	G1	G1: 3.12 Ha. G2: Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil during 2020-21	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	Entire area has been explored and under G-1.
1e	Balance reserve as on 01/04/20	-	Total reserve: 0.618 million tonnes of Limestone (UNFC Cat. 111)	Reserve position as per Annual Return submitted for FY 2020-21
1f	General remarks of inspecting officers on geology, exploration etc			Entire mineralized area was explored by the lessee under G1 level by drilling with 6 nos. of core boreholes drilled in 2017-18; total meterage drilled was 180m.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	72 N to 155 N, E 70 E to 138 E	Development carried out in the same area as proposed.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in OB and ore proposed.	Separate benches in OB and ore maintained.	
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	There is no O.B. proposal and achieved

2d	Quantity of topsoil generation in m3	769 m3	Nil	
2e	Quantity of overburden generation in m3	No proposal	Nil	As per Annual Return submitted for FY 2020-21

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit is proposed.	Single pit present in the ML area.	
3b	Quantity of ROM mineral production proposed	15000 Tonnes of Limestone	2305 Tonnes of Limestone	As per AR submitted for FY 2020-21
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No Proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
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	Manual	
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	Proposed to drill by jack hammer and blasting using slurry explosives	No change	
3k	Provision of mining machineries in mineral benches	Tractor 1 No Tractor Compressor: 01no. Tipper: 01. No Jack Hammer: 01No	Tractor 1 No Tractor Compressor: 01no. Tipper: 01. No Jack Hammer: 01No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3m bench height proposed.	Average bench height 3m is maintained	
3m	Total area covered under excavation/pits	1.4 Ha. at the end of F.Y. 2022-23.	1.06 Ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	
3o	Total area put in use under different heads at the end of year		Area under mining: 1.06 Ha. Roads : 0.167 Ha. Infrastructure & Others : 1.227 Ha.	As per Annual Return submitted for FY 2020-21.
3p	Production of ROM mineral during the last five year period as applicable	2016-17: 25000 2017-18: 25000 2018-19: 15000 2019-20: 15000 2020-21: 15000 (in tonnes)	2016-17: 13220 2017-18: 6900 2018-19: 1406 2019-20: 5400 2020-21: 2305 (in tonnes)	

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	During 2020-21 there is no generation of top soil,OB & Mineral reject.	
4b	Location of topsoil, OB and mineral reject dumps	NA	NIL	

4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Proposed within UPL	With in ML	Proposed for re-handling and backfilling in conceptual stage.
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No proposal	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	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	

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	Nil as the mine pit was not matured for backfilling	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent use proposed	No top soil generation of top soil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mine pit was not matured for backfilling since mineral persists at the bottom of mine workings.
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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).	To be submitted on or before 1st July every year.	Submitted for F.Y. 2020-21 before 1st July, 2021.	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.038 Ha. proposed	0.038 Ha Actual.	
6d	No. of saplings planted during the year	50 nos.	50 nos.	
6e	Cumulative no .of plants	300 Saplings proposed from 2018-2023	Apprx. 150 nos. saplings achieved.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Nil	No change	
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 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)	Bi - Annually	Environmental monitoring is carried out through private agency.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation is carried out along the 7.5 m safety zone.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sizing and sorting.	Gradewise sizing and sorting.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sizing and sorting.	Manual sizing and sorting.	
7c	Different grade of mineral sorted out at mines.	Yes	Yes	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Lessee is using all the ore by blending with high grade ore as per buyers requirement.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal during 2020-21	Nil	
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Mine pit is not matured for backfilling.	

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	Approx. 150 Nos. saplings were planted within ML so far.
8g	Survival rate	Not proposed	60%
8h	Water sprinkling on roads to control airborne dust	Proposed	Water Tanker arrangement for water sprinkling on mine roads has been made.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mining area is good.	

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		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer and Part time Geologist were found appointed during the time of inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Area under mining: 1.06 Ha. Roads : 0.167 Ha. Infrastructure & Others : 1.227 Ha.	As per Annual Return submitted for FY 2020-21.

9d	Scrutiny of Annual return on afforestation	50 nos.	50 nos.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject generation during 2020-21	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock: Nil. Graded ore closing Stock of Cement Grade Limestone: 1022.199 tonnes	Actual was also same at that time as per mine dispatch register.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price for Cement grade Limestone reported as: Rs.387/- Production Cost: Rs. 196/tonne	Some of the invoices were checked during inspection and sale value given was found correct.	As per Annual Return submitted for FY 2020-21.
9h	Scrutiny of Annual return on fixed assets	Fixed assets is given	Fixed assets is filled properly	
9k	Scrutiny of Annual return on mining machineries	Air Compressor ,Jack Hammer	Due to manual mining ,no other m/c are used.	

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

Date :

(R.S.SAUDAGAR)

Indian Bureau of Mines