

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri I.L.Ittananavr, Lessee.
Official with
Designation
- (iv) Date of Inspection : 03/08/2019
- (v) Prev.inspection date : 18/12/2018

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 : 06/08/2014
- (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 : 23/02/2034
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 :

Geologist

Name : Rathish George,Part Time
Qualification : M.Sc Geology
Appointment/ : 01/03/2015
Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	04/01/2012
Plan/Scheme of Mining	:	MP modif under 17(3) MCR 2016	30/05/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 boreholes are proposed during previous plan period	6 Core Boreholes has been drilled during 2017-2018	
1b	Exploration over lease area for geological axis 1 or 2	Geological axis - 1	Geological axis - 1	6 - Core boreholes were carried out in the lease area for Geological axis - 1, during 2017-2018 with 180 meterage.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Own drilling and/ or Contract drilling machines were used for Exploration in the past.	6 boreholes were drilled during 2017-2018. Total Rs. 2.00 lakhs was spent on exploration.	6 DDH with 180 meters has been drilled upto 2017-2018. Total expenditure towards exploration is 2.00 Lakhs
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration was proposed out at 100m X 100m grid interval during previous plan period.	Exploration was carried out at 100m X 100m grid interval.	Entire area has been explored and under G-1. No borehole has been proposed during 2018-2019
1e	Balance reserve as on 01/04/20	As on 01.04.2019 Proved Mineral Reserves (111) = 612814 tons Pre-feasibility Mineral Resources (221) = 1492463 Tons.	As on 01.04.2019 Proved Mineral Reserves (111) = 626408 tons Pre-feasibility Mineral Resources (221) = 1492463 Tons.	Against 15000 ton proposal, lessee has achieved only 1406 tons

1f	General remarks of inspecting officers on geology, exploration etc	It is part of Kaladgi basin which belongs to Upper Cuddapag system	The deposit is litho unit of Lokapur sub group of Bagalkot group which belongs to Kaladgi Super group	Geologically the top most area is more disturbed by Murram with Limestone
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2018-2019, the working proposal was Pit-1 in between section A-A' to B-B'.	In 2018-2019, Working was carried out as per the proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No, proposed separate benches in Topsoil & OB & single bench has proposed in Mineral.	Working has been carried out as per the proposal. Single bench in mineral is present in mines	
2c	Stripping ratio or ore to OB ratio	1 : 0.00	1 : 0.00	There is no OB proposal and achieved.
2d	Quantity of topsoil generation in m3	There is no topsoil proposed during 2018-2019	There is no topsoil generation in 2018-2019	
2e	Quantity of overburden generation in m3	Nil, there is no OB proposed during 2018-2019	Nil, there is no OB generation in 2018-2019	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There is no Proposal for Topsoil & OB for 2018-2019	There is no generation for Topsoil & OB for 2018-2019	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Development and production was proposed in Pit-1.	Development and production are carried out in single pit.	
3b	Quantity of ROM mineral production proposed	The total target of ROM Production was 15000 tons during 2018-2019.	1406 tons of Limestone	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	There is no generation of Topsoil, OB & Intercalated waste during 2018-2019
3d	Quantity of mineral reject generation	There is no Mineral Reject generation	There is no Mineral Reject generation	
3e	Grade of mineral rejects generation and threshold value declared.	Mineral reject- No Proposal. Threshold Value for Mineral rejects is not Declared	Mineral reject- No Proposal. Threshold Value for Mineral rejects is not Declared	
3f	Quantity of sub grade mineral generation.	No Sub Grade Generation	No Sub Grade Generation	
3g	Grade of sub grade mineral generation	There is No Generation of Subgrade Mineral	There is No Generation of Subgrade Mineral	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual Method	Manual Method	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Beneficiation Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	

3j	Provision of drilling and blasting in mineral benches	Spacing - 1.00m Burden - 0.90m Depth - 1.50m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	As per proposal the Drilling & Blasting are done	
3k	Provision of mining machineries in mineral benches	Jack Hammer - 1 Tracker Compressor - 1 Tractors - 1 Tippers - 1	Jack Hammer - 1 Tracker Compressor - 1 Tractors - 1 Tippers - 1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	In 2018-2019, Bench height of 3m was proposed in Mineral.	Bench Height is as per proposal during 2018-2019.	Single bench only present in mines
3m	Total area covered under excavation/pits	1.050 hect area is proposed for Pit during 2018-2019	1.030 hect areas are under Pit only.	
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	Land use Pattern as on 01.04.2019. Mines = 1.050 hect Infra = 0.006 hect Road = 0.167 hect	Land use Pattern as on 01.04.2019. Mines = 1.030 hect Infra = 0.006 hect Road = 0.167 hect	

3p	Production of ROM mineral during the last five year period as applicable	2018-2019 = 15000 tons 2017-2018 = 25000 tons 2016-2017 = 25000 tons 2015-2016 = 25000 tons 2014-2015 = 25000 tons	2018-2019 = 1406 tons 2017-2018 = 6900 tons 2016-2017 = 13220 tons 2015-2016 = 6719 tons 2014-2015 = 2566 tons
3q	General remarks of inspecting officers on method of mining etc.	Manual Method	Manual Method

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no proposal of dumping for 2018-2019	During 2018-2019 there is no topsoil, OB and Mineral reject generation.	
4b	Location of topsoil, OB and mineral reject dumps	There is no proposal of dumping for 2018-2019	During 2018-2019 there is no topsoil, OB and Mineral reject generation.	
4c	Number of dumps within lease area and outside of lease area	Lease area = Nil Non Lease area = Nil	Lease area = Nil Non Lease area = Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	
4e	Number of active and alive dumps.	No Proposal	Nil	
4f	Number of dead dumps.	No Proposal	Nil	
4g	Number of dumps established.	No Proposal	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	During 2018-2019 there is no proposal for retaining wall or Garland drain, whereas in coming year proposals are there.
4i	Length of Retaining wall or garland drain all along dumps	No Proposal	Nil	
4j	Number of settling ponds	No Proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	No proposal for dump	No waste materials has been generated during 2018-2019	

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 for Back filling	No backfilling done	
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)	No Proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No Backfilling	The mine was not worked upto the proved depth and no backfilling was proposed	

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).	It should be submitted on or before 1st July every year.	Not Submitted for the year 2018-2019	Violation has pointed out under Rule 26 (2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.038 hect	0.038 hect	
6d	No. of saplings planted during the year	Total 50 saplings were proposed during last year 2018-2019.	Lessee has planted 50 saplings inside lease area during 2018-2019.	
6e	Cumulative no .of plants	300 saplings proposed from 2013-2019	200 saplings has achieved from 2013-2019	200 plants has been planted inside the lease area from 2013-2019 (150 plants upto 2013-2018, 50 plants on 2018-2019)
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	0.75 Lakhs	0.60 Lakhs	
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	50 saplings for 2018-2019	50 Saplings has achieved	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Proposed 0.038 hect in 2018-2019	Achieved 0.038 hect in 2018-2019	200 plants has been planted inside the lease area from 2013-2019 (150 plants upto 2013-2018, 50 plants on 2018-2019)
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)	Bi-Annually Survey	Environment monitoring is carried out through own as well as private agency.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Plantation is made along the 7.5m safety zone and lessee is taking care of plantation by regular monitoring	Lessee is conducting Environmental monitoring and all are within permissible limit

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	15000 tons ROM	1406 tons ROM	Due to delay is getting KSPCB consent, less production has been achieved.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	CaO = +48% MgO = 4% SiO2 = 4 %	CaO = +48% MgO = 4% SiO2 = 4 %	
7d	Any beneficiation process at mines .	Manually sorting and sizing proposed	Manually sorting and sizing is being done	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Lessee is using all the ore by blending with high grade ore. As per buyers specification	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No Topsoil dump is proposed	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	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)	50 saplings per year	50 saplings achieved	Cumulatively 200 plants has been planted inside the lease area from 2013-2019
8g	Survival rate	70%	60%	
8h	Water sprinkling on roads to control airborne dust	Yes, it is proposed for water sprinkling on haul roads.	Daily Water tanker is spraying water on mines roads side to control airborne dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Scanty vegetation, bushes, neem are observed in lease area	Surrounding area beyond lease area is greenery	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = June 2019 AR Submitted up to = 2018-2019	Both Annual & Monthly returns are submitting in online system.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Part time Mining Geologist has appointed.	Only Mines mate is working as Permit Manager	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use Pattern as on 01.04.2019. Mines = 1.030 hect Infra = 0.006 hect Road = 0.167 hect	Landuse Pattern is filled as per approved Mining Plan	
9d	Scrutiny of Annual return on afforestation	Lessee has planted 50 saplings during 2018-2019	Lessee has planted 50 saplings inside lease area during 2018-2019. With Survival Rate of 60%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	There is no Mineral Rejects Generation	There is no Mineral Rejects Generation	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	999 tons of Limestone has been stocked	Mine has produced 1406 tons of Production during 2018-2019 and 1423 tons has dispatches.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of Production & Ex. Mine Price has shown	Some invoice has been checked and matching	
9h	Scrutiny of Annual return on fixed assets	6.5 Lakhs for Land cost	Same to market value	

9k Scrutiny of Air Compressor Due to Manual mining, no
Annual return on - 1 other machinery are
mining used.
machineries

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 26(2)	06/08/2019			
MCDR17	Rule 33	06/08/2019			
MCDR17	Rule 35(2)	06/08/2019			

Date :

(G. S. KANNAN)

Indian Bureau of Mines