

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-57/GOA

Mine code : 38KAR26024

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.G.S.Horatti, Mines Owner
Official with
Designation
- (iv) Date of Inspection : 24/04/2018
- (v) Prev.inspection date : 24/05/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KALASKOPPA**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : KARNATAKA
District : BAGALKOT
Village : KALASKOPPA
Taluka : BAGALKOT
Post office :
Pin Code :
FAX No. :
E-mail : gshoratti@gmail.com
Phone : 09945950358
- (f) Police Station : KALADGI
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for : SHRI GULAPPA SHIVAPPA HORATTI
correspondance : Village- Chikkashellikere
Bagalkot-587101
3. (a) Lease Number : KAR1453
(b) Lease area : 4.85
(c) Period of lease : 20
(d) Date of Expiry : 02/07/2022
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : GULAPPA SHIVAPPA HORATTI
 VILLAGE-CHICKSHELLIKERE
 TALUKA-BAGALKOT BAGALKOT
 KARNATAKA
 Phone:+919945950358
 FAX :

Owner : GULAPPA SHIVAPPA HORATTI
 VILLAGE- CHIKKASHELLIKERE
 TALUKA-BAGALKOT BAGALKOT
 KARNATAKA
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	18/06/2002
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	23/09/2009
		Mining Scheme rule 12 MCDR1988	08/10/2012
		MP modif under 17(3) MCR 2016	31/08/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	9 Core Borehole Proposed in 2014-2015	6 Core Boreholes were drilled on 2015-2016	
1b	Exploration over lease area for geological axis 1 or 2	Geological axis - 1	Geological axis - 1	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	4 Lakhs proposed during 2014-2015	3.7 Lakhs expenditure during 2015-2016	
1d	Balance area to be explored to bring Geological axis in 1 or 2	1.53 hect has proposed for explored under G-3 during 2018-2019	yet to complete	
1e	Balance reserve as on 01/04/20	As on 01/04/2018 Proved Mineral Reserves (111) = 756375 Tons Feasibility Mineral Resources (211) = 604800 Tons Measured Mineral Resources (331) = 385800 Tons Inferred Mineral Resources (333) = 256725 Tons	As on 01/04/2018 Proved Mineral Reserves (111) = 756375 Tons Feasibility Mineral Resources (211) = 604800 Tons Measured Mineral Resources (331) = 385800 Tons Inferred Mineral Resources (333) = 256725 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

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	In the Year 2017-2018 there was proposal to work upto the Section FF'	Working has been not carried out as per the proposal	Violation issued under Rule 11(1)
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is no proposals for separate Bench's	There is no proposals for separate Bench's	
2c	Stripping ratio or ore to OB ratio	1 : 1.50	1 : 1.00	
2d	Quantity of topsoil generation in m3	15100 m3/ 27180 tons	1000 m3/ 1800 tons	
2e	Quantity of overburden generation in m3	4750 m3/ 9500 tons	4000 m3/ 8000 tons	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Basic Field Observation are Topsoil are present, upto 6m work out pit for Limestone, simultaneously murrum also in limestone pit	

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Development and production in Single pit was proposed.	Single Pit is present	
3b	Quantity of ROM mineral production proposed	15000 tons Limestone	15000 tons Limestone	
3c	Recovery of sailable/usable mineral from ROM production	60%	50%	
3d	Quantity of mineral reject generation	No Proposal	Nil	
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 Proposal for Subgrade Mineral Generation	There is No Generation of Subgrade Mineral	
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.	No Benefication Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	
3j	Provision of drilling and blasting in mineral benches	Spacing - 1m Burden - 0.90m Depth - 1.50m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	Spacing - 1m Burden - 0.90m Depth - 1.50m As per proposal Drilling & blasting is carried out	
3k	Provision of mining machineries in mineral benches	Tippers - 4 Nos Compressors - 1 No Water tanker - 1 No	Tippers - 4 Nos Compressors - 1 No Water tanker - 1 No	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height - 3.0 m	Height - 5 to 6 m	Violation has issued under Rule 11(1)
3m	Total area covered under excavation/pits	1.30 hect	0.90 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1 : 1.50	1 : 1.00	

3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2018. Mines = 1.30 hect Dump = 0.30 hect Mine road = 0.040 hect 7.5m safety barrier = 0.700 hect	Land use Pattern as on 01.04.2018. Mines = 0.90 hect Dump = 0.20 hect Mine road = 0.040 hect 7.5m safety barrier = 0.700 hect
3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 15000 tons 2016-2017 = 25000 tons 2015-2016 = 25000 tons 2014-2015 = 25000 tons 2013-2014 = 25000 tons	2017-2018 = 15000 tons 2016-2017 = 24990 tons 2015-2016 = 9400 tons 2014-2015 = Nil 2013-2014 = Nil
3q	General remarks of inspecting officers on method of mining etc.	Manual working	Manual working

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed Dump for Topsoil & OB	Only for OB dump is formed	
4b	Location of topsoil, OB and mineral reject dumps	South western Side of Lease area	As per proposal dump is present	
4c	Number of dumps within lease area and outside of lease area	One Dump Proposed within Lease area	One Dump	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside the UPL	Inside the UPL. Temporary Dumping	
4e	Number of active and alive dumps.	Single Active Dump	Single Active Dump	
4f	Number of dead dumps.	Nil	Nil	

4g	Number of dumps established.	One	One
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil
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	Single Dump Proposed	Single Dump Present

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.	Propose to backfill the 7.5m safety barrier workout area in the western side.	No backfilling done	Violation issued under Rule 11(1)
5b	Area under backfilling of mined out area	0.0150 hect	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil removed separately and spread out on safety Zone for plantation & Dump	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling Proposed	No Backfilling	

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).	It should be on or before 1st July every year.	Not Submitted for the year 2016-2017	Violation has pointed out under Rule 26(2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.10 Hect/ Year	Nil	Violation issued under Rule 11(1)
6d	No. of saplings planted during the year	100 Saplings / year	Nil	Violation issued under Rule 11(1)
6e	Cumulative no .of plants	1640 saplings (2012-2013 to 2016-2017)	150 saplings (2012-2013 to 2016-2017)	
6f	Any other method of rehabilitation	No Proposal	Nil	
6g	Cost incurred on watch and care during the year	1.5 Lakhs	0.2 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 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)	Bi-annually Survey	Quartely Environmental Monitoring has been done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Nil

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	15000 Tons	15000 Tons	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	CaO = +35 to 46%	CaO = +35 to 46%	

7d	Any beneficiation process at mines .	Manually Sorting and Sizing is Proposed	Manually Sorting and Sizing is being done
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is proposal for seperately remove and utilised of topsoil	Nil	
8b	Concurrent use or storage of topsoil	Concurrent Use	Concurrent Use	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Single is proposed for OB/ Mineral rejects	Single dump is present	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposal	No Additional Plantation is done
8g	Survival rate	60%	60%
8h	Water sprinkling on roads to control airborne dust	Water tanker is proposed	Water sprinkling is done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	Submitted within the time limits	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not Submitted for 2016-2017	For 2017-2018 yet to be submitted	Violation has been issued 45(5)(c)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	Land use Pattern as on 01.04.2018. Mines = 0.90 hect Dump = 0.20 hect Mine road = 0.040 hect 7.5m safety barrier = 0.700 hect	Violation has been issued 45(5)(c)
9d	Scrutiny of Annual return on afforestation	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	Afforestation has not done.	Violation has been issued 45(5)(c)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	There is no Mineral Rejects generation	Violation has been issued 45(5)(c)

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	15000 tons has been proposed	Violation has been issued 45(5)(c)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	Nil	Violation has been issued 45(5)(c)
9h	Scrutiny of Annual return on fixed assets	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	Nil	Violation has been issued 45(5)(c)
9k	Scrutiny of Annual return on mining machineries	Not Submitted for 2016-2017 For 2017-2018 yet to be submit	Nil	Violation has been issued 45(5)(c)

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 11(1)	11/05/2018			
MCDR17	Rule 26(2)	11/05/2018			
MCDR17	Rule 33	11/05/2018			
MCDR17	Rule 45(5)(c)	11/05/2018			
MCDR17	Rule 55(1)(3)	11/05/2018			

Date :

(G. S. KANNAN)

Indian Bureau of Mines