

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

MCDR inspection REPORT

Goa regional office

Mine file No : KNT/BJP/LST-74/GOA

Mine code : 38KAR26053

- (i) Name of the Inspecting : **K03**) **G. S. KANNAN**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri.Narashinga Moorthy, Consultant
Official with
Designation
- (iv) Date of Inspection : 29/08/2018
- (v) Prev.inspection date : 30/05/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **HEBBAL (ML 2406)**
- (b) **Registration NO.** : **IBM/6167/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : KARNATAKA
District : BAGALKOT
Village : HEBBAL
Taluka : MUDHOL
Post office : LOKAPUR
Pin Code : 587122
FAX No. : 08350-240335
E-mail : malaprabha_mining@yahoo.co
Phone : 8350-340068
- (f) Police Station : Lokapur
- (g) First opening date : 24/06/2003
- (h) Weekly day of rest : TUE
2. Address for : Shri H.G.Sripad, Mine Owner
correspondance : Parimala, Vidhyagiri
Bagalkot, Karnataka
3. (a) Lease Number : KAR1361
- (b) Lease area : 4.1
- (c) Period of lease : 20
- (d) Date of Expiry : 23/06/2023
4. Mineral worked : LIMESTONE Main
DOLOMITE Associated

5. Name and Address of the

Lessee : H. G. SHRIPAD
 M/s Ashirwad Minerals
 "Parimala", Vidyagiri,
 Mahantesh Road, BAGALKOT
 KARNATAKA
 Phone:
 FAX :

Owner : H.G.SHRIPAD
 PARIMALA MAHANTESH
 VIDAYAGIRI BAGALKOT
 BAGALKOT KARNATAKA
 Phone: 08354--233258
 FAX : NIL

Geologist

Name : Shri Suresh Khot, Part Time
 Qualification : MSc Geology
 Appointment/ : 01/08/2014
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	28/04/2003
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	06/02/2006
	:	Mining Scheme rule 12 MCDR1988	24/04/2009
	:	Mining Scheme rule 12 MCDR1988	20/11/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC.	
1b	Exploration over lease area for geological axis 1 or 2	No Additional exploration was proposed in mining scheme over the lease area for Geological axis - 1	Nil	Total 2 boreholes were drilled with 100m drilling under G-2
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.	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire Lease area	Nil	
1e	Balance reserve as on 01/04/20	As on 01.04.2018 Proved Mineral Reserves (111) = 1625687 tons Feasibility Mineral Resources (211) = 1544760 Tons Pre-Feasibility Mineral Resources (222) = 1337935 Tons	As on 01.04.2018 Proved Mineral Reserves (111) = 1890187 Tons Feasibility Mineral Resources (211) = 1544760 Tons Pre-Feasibility Mineral Resources (222) = 1337935 Tons	Hence there is no mining activity; R & R has not been changed.

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	Entire Lease is having Same Geology and Mineralogy is changes from place to place. Hence borehole has to be drilled at closer interval to get quantity and quality
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the Year 2017-2018 there was no proposal for development	Working has been not Carried out as per the proposal	Mine is not Working because want of Statuary Clearances.
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 :0.05	Nil reported, since no production during that period.	
2d	Quantity of topsoil generation in m3	No Proposal	Nil	
2e	Quantity of overburden generation in m3	OB waste is only Intercalated waste. During 2017-2018 it is proposed 3158 tons	Nil	Mine is not Working because want of Statuary Clearances.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC.	Violation has pointed out under Rule 11(4)

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit	Single pit	
3b	Quantity of ROM mineral production proposed	The total target of ROM Production was 63158 tons during 2017-2018.	Nil	Mine is not Working because want of Statuary Clearances.
3c	Recovery of sailable/usable mineral from ROM production	95%	Nil	
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 Generation of Subgrade Mineral	There is No Generation of Subgrade Mineral	
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 Benefication Study is Proposed	Only Manual Picking of Ore from Intercalated Waste	

3j	Provision of drilling and blasting in mineral benches	Spacing - 0.50m Burden - 0.45m Depth - 1.50m It is Proposed to drill by Jack Hammer and blasting by using Slurry & ANFO	Drilling & Blasting are not done	Mine is not Working from 2015.
3k	Provision of mining machineries in mineral benches	Jack Hammer - 1 Tracker Compressor - 1	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height - 3.0 m	More than 3m height	Violation has pointed out under Rule 11(1)
3m	Total area covered under excavation/pits	2.58 hect	1.50 hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.05	Nil reported, since no production during that period.	
3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2018. Mines = 2.58 hect Dump = 0.175 hect Mineral Storage=0.06 hect Infra = 0.008 hect Green Belt = 0.117 hect	Land use Pattern as on 01.04.2018. Mines = 1.50 hect Infra = 0.008 hect Green Belt = 0.09 hect	There are no Changes in land use Pattern from 2015 because of Non-Working.

3p	Production of ROM mineral during the last five year period as applicable	2017-2018 = 63158 tons 2016-2017 = 63158 tons 2015-2016 = 63158 tons 2014-2015 = 63158 tons 2013-2014 = 63158 tons	2017-2018 = Nil 2016-2017 = Nil 2015-2016 = 10000 tons 2014-2015 = Nil 2013-2014 = 500 tons	From 2015 to till date, the Mine was not working due to want of statutory order
3q	General remarks of inspecting officers on method of mining etc.	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC.	Violation has pointed out under Rule 11(4)

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed for Intercalated waste.	There is no generation of OB because of Non-working	
4b	Location of topsoil, OB and mineral reject dumps	Proposed dump in between 437E-494E/25N-72N	No dump is present in proposed area	
4c	Number of dumps within lease area and outside of lease area	Lease area = 1 Dumps Non Lease area = Nil	Lease area = Nil Non Lease area = Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the UPL	No dump is present in proposed area	
4e	Number of active and alive dumps.	Active Dump = Nil Alive Dump = Nil	There is no active dump within lease area for waste dumping.	
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.	Garland drain, Retaining wall was proposed on different terraces for proper waste dump & surface water management.	Because of no activity, Garland drain, Settling ponds are not constructed.	
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall (145m x 2m x 2.5m), Garland drainage (200m x 2m x 2m)	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC	Violation has pointed out under Rule 11(4)

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.	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC.	Violation has pointed out under Rule 11(4)
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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).	It should be on or before 1st July every year.	Not Submitted	Violation has pointed out under Rule 26 (2)
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
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	Total 50saplings were proposed during last year 2017-2018.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.117 hect	0.09 hect
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC.	Violation has pointed out under Rule 11(4)
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	63158 tons	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Nil	
7c	Different grade of mineral sorted out at mines.	Cao = +48%	Nil	
7d	Any beneficiation process at mines .	Manually Sorting and Sizing is Proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	There is no valid mining plan from 2018.	Mine is not working from 2015 for want of EC.	Violation has pointed out under Rule 11(4)

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is No Proposal for separately remove and utilized the topsoil.	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	At present there is no proposal for restoring.	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)	No Proposal	Nil
8g	Survival rate	No Proposal	Nil
8h	Water sprinkling on roads to control airborne dust	No Proposal	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Scanty vegetation, bushes, neem are observed in lease area	Degraded Mining Land

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly & Annual returns are submitted	Both Annual & Monthly returns are not submitted in online system for last three years.	Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9d	Scrutiny of Annual return on afforestation	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)

9h	Scrutiny of Annual return on fixed assets	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)
9k	Scrutiny of Annual return on mining machineries	Nil	Monthly & Annual Returns has not submitted for last 3 years	Mine is not working from 2015 for want of EC. Violation has pointed out under Rule 45(5)(b)(i) & 45(5)(c)(i)

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)	11/09/2018			
MCDR17	Rule 11(4)	11/09/2018			
MCDR17	Rule 26(2)	11/09/2018			
MCDR17	Rule 27(1)	11/09/2018			
MCDR17	Rule 27(2)	11/09/2018			
MCDR17	Rule 28(1)	11/09/2018			
MCDR17	Rule 45(5) (k)	11/09/2018			
MCDR17	Rule 45(5) (c)	11/09/2018			

Date :

(G. S. KANNAN)

Indian Bureau of Mines