

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

**Mining Plan Modification REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/427/BNG

**Mine code :** 30KAR03139

- (i) Name of the Inspecting : **A101** ) **ARUN KUMAR**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 09/03/2018
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **IYLI GURUNATHAPPA**
- (b) **Registration NO.** : **IBM/463/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **RAMGAD**
- Taluka : **SANDUR**
- Post office : **SUSHEELANAGAR**
- Pin Code : **583119**
- FAX No. : **08394-232333 (F) 0839423200**
- E-mail : **iylimine@rmml.in, sathyapra**
- Phone : **08394-232003 (O),004,005**
- (f) **Police Station** : **SANDUR**
- (g) **First opening date** : **08/07/2013**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Shrenik Baldota M/S RMMPL  
Baldota enclave, AHB road,  
Hospet - 583 203.**
3. (a) **Lease Number** : **KAR1567**
- (b) **Lease area** : **20.23**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **23/02/2026**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : RAMGAD MINERALS & MINING(P) LTD  
 NEHRU CO-OP COLONY, HOSPET,  
 BELLARY, BELLARY KARNATAKA  
 Phone:08394-28402,24694  
 FAX :08394-245037,25052

Owner : RAMGAD MINERALS & MINING(P) LTD  
 NEHRU CO-OP COLONY, HOSPET,  
 BELLARY, BELLARY KARNATAKA  
 Phone: 08394-28402,246  
 FAX : 08394-245037,25

Agent : MEDA VENKATAIAH  
 BELLARY KARNATAKA  
 Phone:  
 FAX :

## Mining Engineer

Name : LAXMIKANTH,Full Time  
 Qualification : B.TECH (MINING)  
 Appointment/ : 02/03/2005  
 Termination date

## Geologist

Name : VeeraVenkata Narashima Raju,Full Time  
 Qualification : M.Sc-Geology  
 Appointment/ : 01/08/2016  
 Termination date

## Manager

Name : SATHYA PRAKASH.M  
 Qualification : BE MINING FCC  
 Appointment/ : 01/06/2012  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	11/12/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17/08/2009
		Mining Scheme rule 12 MCDR1988	21/02/2014
		Modif.approved Mining Scheme	23/05/2016

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Core bore holes drilled 2013-14:17 nos & 2009-10: 19 nos
1b	Exploration over lease area for geological axis 1 or 2	G1 level of exploration	G1 level of exploration:15 Ha	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Nil	-
1e	Balance reserve as on 01/04/20		11.06Million tons as on 01.04.2017	-
1f	General remarks of inspecting officers on geology, exploration etc			15 Ha have been covered under G-1 stage of exploration over the mineralized area

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	From section line C-C' to D-D'	No change	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed in OB & ore	Separate benches in OB & ore maintained	-
2c	Stripping ratio or ore to OB ratio	1:0.93	1:0.8	-
2d	Quantity of topsoil generation in m3	No proposal	Nil	-
2e	Quantity of overburden generation in m3	149200 m3	126204 m3	-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The development was carried as per the proposal. Separate benches in OB & ore maintained
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single pit in A Block	Single pit in A Block	-
3b	Quantity of ROM mineral production proposed	0.32Million Tons	0.32Million Tons	-
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	Nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Mechanized	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No beneficiation study proposed	No beneficiation study carried out	Dry screening only
3j	Provision of drilling and blasting in mineral benches	Proposed	drilling & blasting done in mineral benches	3.5m*4m(bXd)

3k	Provision of mining machineries in mineral benches	Proposed	As per proposal	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Bench height maintained at 8-9 m	-
3m	Total area covered under excavation/pits	9.97 Ha	9.7 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.9	1:0.8	-
3o	Total area put in use under different heads at the end of year	Mining- 9.97, Active dump- 1.09, Inactive dump- 0.61, Backfilling- 2.85, Infrastructure- 0.21, Road-0.28	No change	-
3p	Production of ROM mineral during the last five year period as applicable	2012-13- Nil 2013-14-3.2 Lakhs 2014-15-3.2 Lakhs 2015-16-3.2 Lakhs 2016-17-3.2 Lakhs	2012-13- Nil 2013-14-3.2 Lakhs 2014-15-3.2 Lakhs 2015-16-3.2 Lakhs 2016-17-3.2 Lakhs	All unit in tons
3q	General remarks of inspecting officers on method of mining etc.			No deviation wrt exploitation was found during the site inspection dated 09.03.2018

## Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	Separate dumping & backfilling of waste	-

4b	Location of topsoil, OB and mineral reject dumps	Backfilling & Rehandling of Temporary dump Backfilling:N1 676270 to 1676060 E 654900 to 655200 Temporary dump:N1676030 to 1675880 E 655170 to 655320	No change in location of backfilling	-
4c	Number of dumps within lease area and outside of lease area	Within Lease = 1 Outside Lease =3	Within Lease = 1 Outside Lease =3	1 dump in A Block & 03 dump in B Block
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside UPL	Active Dumping is by backfilling	-
4e	Number of active and alive dumps.	One	One	-
4f	Number of dead dumps.	03	03	-
4g	Number of dumps established.	03	03	By plantation & coir matting
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes, proposed	Constructed as per proposals	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal	434 m retaining wall & 100 m garland drain	Constructed as per approved R&R plan
4j	Number of settling ponds	No proposal	Constructed 01 no of settling pond	Settling pond outside UPL
4k	Specific comments of inspecting officer on waste dump management			Waste dump management were carried out as per the approved document

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Solid Waste Management - Backfilling:

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Sl.No.	Item	Propasals	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 proposed in Block A ,mined out area for the period 2016-17	Backfilling is done as per the proposal	-
5b	Area under backfilling of mined out area	1.38 Ha	1.38 Ha	Commenced from Oct-2016
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Backfilling area was not matured for restoration. work in progress	-
5d	Total area fully reclaimed and rehabilitated	No proposal	Not applicable	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling had been commenced from Oct-2016, covering 1.38 Ha in A Block

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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 before 1st july of every year	AR on PMCP submitted for 2016-17	-
6b	Area available for rehabilitation (ha) .	No proposal	Nil	-
6c	afforestation done (ha).	0.28 Ha	0.28 Ha	-
6d	No. of saplings planted during the year	2000 saplings	8800 saplings	-
6e	Cumulative no .of plants	Not specified	Cumulative 147300 saplings planted	-
6f	Any other method of rehabilitation	Proposed as per R & R plan	Inactive dumps were reclaimed by coir matting& plantation	-
6g	Cost incurred on watch and care during the year	Rs. 150000/-	Rs. 150000/-	-

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal	Nil	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	No waste land involved within ML	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	No waste land involved within ML	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	By plantation	Plantation done	-



6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Carried out periodically	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP was carried out as per the approved document. No deviation observed during the course of inspection.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade & size wise sorting	Lumps:55-62% Fe, Fines: 58-65% Fe	Low grade ore is blended with high grade ore
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	-
7c	Different grade of mineral sorted out at mines.	Not specified	Lumps:55-62% Fe, Fines: 58-65% Fe	-
7d	Any beneficiation process at mines	No proposal	Dry screening done	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mineral conservation is taken care by blending Low grade ore with high grade ore to meet the market requirement

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Na	-

8b	Concurrent use or storage of topsoil	No Proposal	No top soil generated	Incidental top soil used for afforestation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for waste & BHQ proposed	Separate dumps for waste & BHQ maintained	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Backfilling proposed with waste rock	Backfilling is in progress	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Backfilling is not matured for restoration as of now
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Available	Cumulative 147300 saplings planted	-
8g	Survival rate	85%	70-80%	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Water tanker is used for sprinkling & suppression of dust	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Most of the land within ML area was degraded due to mining & allied activities. Aesthetic beauty in & around the mining area maintained.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns		M.R. Submitted up to Feb 2018 A.R. submitted up to 2016-17
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer cum Manager- M Sathyaprakash, Geologist- VVN Raju	Same as given in AR
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C working: 9.97 Ha, waste disposal: 3.94Ha, Reclaimed: 1.1Ha, Infrastructure : 0.49 Ha.	Appears to be correct
9d	Scrutiny of Annual return on afforestation	8000 nos.	Appears to be correct
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	Lumps-<55% Fe: 12000tonnes,60 -62% Fe:20002 tonnes Fines-58-60% Fe:117400tonne s,62-65% Fe: 79tonnes	Material dispatches through e-auction only. Lumps and fine stacks are being surveyed periodically by the officials of DMG, Karnataka.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value lumps:<55% Fe: Rs.1500/ ton,60-62% Fe: Rs.1902/ ton Sale value fines:58-60% Fe: Rs.1631/ ton,62-65% Fe:Rs. 1725/Ton, Production cost: Rs.1513/ ton	Appears to be correct
9h	Scrutiny of Annual return on fixed assets	Fixed Assets:Rs. 362 lakhs	Appears to be correct

9k	Scrutiny of Annual return on mining machineries	5 nos. of hydraulic excavators, 12 nos. of dumpers, 3nos. of wheel loaders and 3nos. of water tankers	Same as given in AR
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**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

**Date :****(ARUN KUMAR)**

Indian Bureau of Mines