

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

**Mining Plan Modification REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/394/BNG

**Mine code :** 30KAR03136

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : R.Shivanada Reddy, Mines Manager, Amit, Qualified perso  
Official with  
Designation
- (iv) Date of Inspection : 06-MAR-23
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **RAMGAD(ML 1715)**
- (b) **Registration NO.** : **IBM/372/2011**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **DHARAMPUR**
- Taluka : **SANDUR**
- Post office :
- Pin Code :
- FAX No. : **08395260907/366, 944839550**
- E-mail : **vnk2543@gmail.com**
- Phone : **08395 - 260366**
- (f) **Police Station** : **Sandur**
- (g) **First opening date** :
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **SRI.V.N.K.MENON,**  
**correspondance** **NO.6, KHB COLONY,**  
**SANDUR - 583 119.**
3. (a) **Lease Number** : **KAR0255**
- (b) **Lease area** : **1.62**
- (c) **Period of lease** : **10**
- (d) **Date of Expiry** : **31-DEC-91**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : V.N.K.MENON  
 16,K.H.B.COLONY SANDUR  
 BELLARY KARNATAKA  
 Phone:  
 FAX :

Owner : V.N.K.MENON  
 CONTRACTOR, SANDUR,  
 BELLARY, BELLARY KARNATAKA  
 Phone:  
 FAX :

## Mining Engineer

Name : NISHANT BHANUDASAJI NATIYE,Full Time  
 Qualification : B.E.MINING  
 Appointment/ : 12-APR-18  
 Termination date

## Geologist

Name : VOLVOIKAR AMBRISH,Full Time  
 Qualification : MSc GEOLOGY  
 Appointment/ : 02-APR-18  
 Termination date

## Manager

Name : R SHIVANANDA REDDY  
 Qualification :  
 Appointment/ : 18-FEB-10  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	28-FEB-95
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	14-MAY-13
		MS modif under MCR 1960	14-OCT-14
		MP modif under 17(3) MCR 2016	08-NOV-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposals	nil	-
1b	Exploration over lease area for geological axis 1 or 2	No proposals	nil	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposals	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	not specified	G-1- 9.60 Ha G-2- 0.71 Ha	-
1e	Balance reserve as on 01/04/20	-	-	Reserves of Iron ore as on 1.4.2022: 1555651t (Fe 45% to 66%).
1f	General remarks of inspecting officers on geology, exploration etc	-	-	There are no proposals for exploration for the year 2021-22.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N1666200 to N1666415 E662600 to E662690	N1666200 to N1666414 E662600 to E662691	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	yes	No top soil generated.
2c	Stripping ratio or ore to OB ratio	1: 0.18	1: 0.10	Iron ore : Ore:97850t OB: 10178t

2d	Quantity of topsoil generation in m3	No proposal	Nil	Top soil not generated.
2e	Quantity of overburden generation in m3	4795m3	4626m3	Iron ore : Ore:97850t OB: 10178 t
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	There is no specific comment on development of pit.

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#### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1Pit	One pit	-
3b	Quantity of ROM mineral production proposed	100000 t	97850t	-
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	Mechanised method for segregation	Mechanised method for segregation	Dry Crushing and Screening.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	No such beneficiation study carried out	-
3j	Provision of drilling and blasting in mineral benches	No proposal	nil	-
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed- Excavators- 2 Tippers- 4 Wheel Loaders -1 Water tanker-1	Machinery deployed: Excavators- 2 Tippers- 3 Wheel Loaders -1 Water tanker-1(8000lts)	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 8m Bench Width- 11m	Bench Height- 8m Bench Width- 11m	-
3m	Total area covered under excavation/pits	4.2965 Ha (At the end of the plan period)	4.296 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.18	1: 0.10	Iron ore : Ore:97850t OB: 10178 t
3o	Total area put in use under different heads at the end of year	Mine Working- 4.2965 Ha Dumping - 2.096ha Roads - 0.5594ha Green belt- 0.31 Ha Other-3.359ha	Mine Working- 4.2965 Ha Dumping -2.096ha Roads -0.5594ha Green belt- 0.31 Ha Others-3.359Ha	-
3p	Production of ROM mineral during the last five year period as applicable	2017-18 : 100000t 2018-19 : 100000t 2019-20 : 100000t 2020-21 : 100000t 2021-22 : 100000t	2017-18 : 99996t 2018-19 : 99996t 2019-20 : 99996t 2020-21 : 99996t 2021-22 : 97850t	-

3q	General remarks - of inspecting officers on method of mining etc.	-	-	There is no change in method of mining.
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## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate Dumping of Overburden is proposed.	Separate Dumping of Overburden is carried out.	-
4b	Location of topsoil, OB and mineral reject dumps	OB: N1666510 to N1666570 E662710 to E662770	OB: N1666510 to N1666570 E662710 to E662770	-
4c	Number of dumps within lease area and outside of lease area	Within Lease Area- 2 Outside lease- NIL	Within Lease Area- 2 Outside lease- NIL	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the Ultimate Pit Limit	Outside the Ultimate Pit Limit	-
4e	Number of active and alive dumps.	1	1	-
4f	Number of dead dumps.	1	1	-
4g	Number of dumps established.	NIL	NIL	-
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	ni	-
4j	Number of settling ponds	No proposal	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	There are no specific comments on waste dump management.

## 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	-
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 proposals for the year 2021-22.

## 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 under rule 26(2) of MCDR, 2017 before 1st July of every year.	Submitted.	-
6b	Area available for rehabilitation (ha) .	No proposal	nil	-
6c	afforestation done (ha).	0.053ha	0.053ha.	Part of the waste dump
6d	No. of saplings planted during the year	400	600	-
6e	Cumulative no .of plants	4070	4070	-
6f	Any other method of rehabilitation	No proposal	nil	-
6g	Cost incurred on watch and care during the year	Not specified	Not specified	-

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	nil	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	nil	-
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)	Environment monitoring is proposed for Core and Buffer Zone.	Environment monitoring is proposed for Core and Buffer Zone.	All the environmental parameters observed to be within the permissible limits.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	The PMCP activities have been carried out as proposed.

#### Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting is proposed within lease area.	Grade wise sorting is done within lease area.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical Sorting	Mechanical Sorting	Dry Crushing & Screening
7c	Different grade of mineral sorted out at mines.	Grade wise sorting is proposed.	Grade wise sorting is done in lease area.	-
7d	Any beneficiation process at mines	No proposal	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	There are no specific comments on Mineral Conservation and beneficiation issues.

#### Environment:

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

8b	Concurrent use or storage of topsoil	No proposal	nil	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal for Separate dumping of Overburden.	Separate dumping of Overburden carried out.	-
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)	400saplings	600 saplings planted in WML and 30saplings in OML.	Plantation all along the dump gap filling and OML.
8g	Survival rate	No proposal	70%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water tankers are deployed to control the airborne dust on haul roads and screening plant.	water tanker of 8000 liters capacity.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in aesthetic beauty in and around mines.

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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 January, 2023.	A.R for the year 2021-22 submitted on 25.6.2022.	-

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Praveen Kumar SM Mining Engineer Anand Kumar, Geologist R. Shivananda Reddy, Manager	Appears to be correct.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine Working- 4.2965 Ha Dumping - 2.096ha Roads - 0.5594ha Green belt- 0.31 Ha	Appears to be correct	-
9d	Scrutiny of Annual return on afforestation	600saplings within the ML with 70% survival rate.	Appears to be correct	-
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Appears to be correct	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S -Nil Production of Iron ore - 97850t C/S -nil	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs2538.60/tonne. Av. Ex- pricemine- Rs4641/tonne.	Appears to be correct	-
9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs2856911/-	Appears to be correct	-
9k	Scrutiny of Annual return on mining machineries	Machinery deployed: Excavators- 2 Tippers- 3 Wheel Loaders -1 Water tanker- 1(8000lts)	Appears to be correct	-

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**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 :

(K.SRINIVAS)

Indian Bureau of Mines