

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/BLR/FE/413/BNG

**Mine code :** 30KAR03123

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Shri Vinodh, Mines Manager, Shri Nagarjuna B , Geolo  
Official with  
Designation
- (iv) Date of Inspection : 18-JAN-23
- (v) Prev.inspection date : 17-MAR-22

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SANJEEVARAYANA KOTE**
- (b) **Registration NO.** : **IBM/4514/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **SANJEEVARAYANA KOTE**
- Taluka : **BELLARY**
- Post office : **BELLARY**
- Pin Code :
- FAX No. : **08392-277845 /08392267666,9**
- E-mail : **apmines@yahoo.co.in**
- Phone : **08392-267666/274282,083922**
- (f) **Police Station** : **BELLARY RURAL**
- (g) **First opening date** : **01-SEP-01**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **11th ward, GADIGI PALACE,**  
**CAR STREET,**  
**BELLARY, KARNATAKA-583 101.**
3. (a) **Lease Number** : **KAR1200**
- (b) **Lease area** : **42.89**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **01-DEC-50**
4. **Mineral worked** : **IRON ORE** **Main**

## 5. Name and Address of the

Lessee : ALLUM PRASHANT  
 GADIGI PALACE, CAR STREET,  
 BELLARY, BELLARY KARNATAKA  
 Phone:08392-274282/ 267666  
 FAX :08392-277845 /267666

Owner : ALLUM PRASHANT  
 GADIGI PALACE, CAR STREET,  
 BELLARY, BELLARY KARNATAKA  
 Phone: 08392-274282  
 FAX : 08392-267666

Agent : Basavaraj  
 Gadigi Palace Car street  
 Ballari BELLARY KARNATAKA  
 Phone: 08392-267666  
 FAX : 08392-267666

## Manager

Name : MD Irfan Zaheer  
 Qualification : Dip. in Mining  
 Appointment/ : 01-MAR-19  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27-JAN-98
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	31-MAR-06
		Mining Scheme rule 12 MCDR1988	14-JUN-13
		Mining Scheme rule 12 MCDR1988	18-APR-16
		MP review under 17(1) MCR 2016	13-NOV-20

## 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	5 RC boreholes with 175m meterage	Not carried out	Violation pointed out
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- 17.01 Ha G-2- 0.00 Ha G-3- 0.00 Ha Unexplored : 25.35Ha	-
1e	Balance reserve as on 01/04/20	-	-	Reserves of Iron ore as on 1.4.2022: 5662879 tonnes .
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The proposed exploration for the year 2021-22 has not been carried out. The violation has been pointed out.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Section D-D' to G-G'.	Section D-D' to G-G'as proposed.	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in Overburden proposed	Separate benches in overburden maintained.	-
2c	Stripping ratio or ore to OB ratio	1: 0.074 (in tonne)	1: 0.166(in tonne)	Iron ore : Ore:30000t Waste: 5000t

2d	Quantity of topsoil generation in m3	No proposal	Nil	No top soil generated.
2e	Quantity of overburden generation in m3	3332m3	2500 m3	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	No specific comments on the development of pit.

### 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	89978t	30000t	Violation pointed out for less production.
3c	Recovery of sailable/usable mineral from ROM production	90%	75%	-
3d	Quantity of mineral reject generation	10797t	7500t	-
3e	Grade of mineral rejects generation and threshold value declared.	35%Fe	34%Fe	-
3f	Quantity of sub grade mineral generation.	No proposal	Nil	No sub-grade generated.
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 200 TPD.

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	Provision of Drilling and Blasting is proposed for mineral benches.	Drilling has been carried out and Blasting has been carried out.	-
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed- Excavators- 1 Tippers- 3 Drill-2 Wheel Loaders -1 Water tanker-1 Crusher- 1(40TPD)	Machinery deployed: Excavators- 1 Tippers- 3 Drill-2 Wheel Loaders-1 Water tanker-1 Crusher- 1(40TPH)	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height- 6-8m Bench Width- 8m	Bench Height- 6-8m Bench Width- 8m	-
3m	Total area covered under excavation/pits	5.13 Ha (At the end of the plan period)	4.418 Ha	-
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.074 (in tonne)	1: 0.166(in tonne)	Iron ore : Ore:30000t Waste: 5000 t
3o	Total area put in use under different heads at the end of year	Mine Working- 5.13 Ha Dumping - 8.76ha Roads -1.17ha Afforestation- 2.40 Ha Infrastructure -0.21 At the end of the plan period.	Mine Working- 4.418 Ha Dumping - 4.152 Ha Mineral storage-1.36Ha Infrastructure-1.52ha PMCP-0.40Ha	-

3p	Production of ROM mineral during the last five year period as applicable	2017-18 :89465t 2018-19 :89254t 2019-20 :89284t 2020-21:89267t 2021-22 :90000t	2017-18 :22800t 2018-19 :4000t 2019-20 :26000t 2020-21:55500t 2021-22 :30000t	-
3q	General remarks of inspecting officers on method of mining etc.	-	-	There is no change in method of mining. The violation has been pointed out for less production for the year 2021-22.

## 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	For OB N1664360 to N1664420 And E707146to E707258 For Rejects: N1664184 to N1664252 And E707572to E707657	For OB N1664360 to N1664420 And E707146to E707258 For Rejects: N1664180 to N1664240 And E707740to E707630	-
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.	2	1 Active dump	-
4f	Number of dead dumps.	1	1	-

4g	Number of dumps established.	No proposal	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	nil	-
4j	Number of settling ponds	No proposal	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	There is no specific comment 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
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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) .	0.4ha	Nil	-
6c	afforestation done (ha).	0.8ha	1.01ha.	-
6d	No. of saplings planted during the year	1500	2000WML 500 OML	Safety zone and gap plantation.
6e	Cumulative no .of plants	No proposal	25000	-
6f	Any other method of rehabilitation	No proposal	nil	-
6g	Cost incurred on watch and care during the year	No proposal	nil	-
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 being carried out monthly in 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.	-	-	There are no specific proposals for the year 2020-21 in PMCP.

#### 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.	Manual/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.	Lumps +35%Fe
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)	1500	2000WML 500 OML	Safety zone and gap plantation.
8g	Survival rate	50%	50%	-
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.	2 nos. of water tanker each of 5000 liters capacity used for dust suppression.
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 December, 2022. A.R for the year 2021-22 submitted on 21.6.2022.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Vinod, S Mining Engineer, B. Nagarjuna, Geologist Naidu, Manager	Appears to be correct.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mine Working- 4.418 Ha Dumping - 4.152 Ha Mineral storage-1.36Ha Infrastructure -1.52ha PMCP-0.40Ha	Appears to be correct	-
9d	Scrutiny of Annual return on afforestation	2000saplings within the ML with 50% survival rate.	Appears to be correct	-

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	7500t (34%Fe)	Appears to be correct	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S -15000 Production of Iron ore - 30000t C/S -1000 t	Appears to be correct	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production- Rs707.04/tonne . Av.Ex- pricemine- Rs998.51/tonne	Appears to be correct	-
9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs1398966/-	Appears to be correct	-
9k	Scrutiny of Annual return on mining machineries	Machinery deployed: Excavators- 1 Tippers- 3 Drill-2 Wheel Loaders- 1 Water tanker-1 Crusher- 1(40TPH)	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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	21-FEB-23	MCDR17	Rule 11(1)	21-FEB-23
MCDR17	Rule 34(1)	21-FEB-23			10-APR-23

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines