

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

Mining Plan Modification REPORT

Bangalore regional office

Mine file No : KNT/BLR/FE/120/BNG

Mine code : 30KAR03120

- (i) Name of the Inspecting : **S19**) **SANDEEP KUMAR SINGH**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri Vijaya Bhaskar Reddy, Representative of the lesse
Official with
Designation
- (iv) Date of Inspection : 14/01/2020
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAMBUNATHA**
- (b) **Registration NO.** : **IBM/6720/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **KARNATAKA**
- District : **BELLARY**
- Village : **JAMBUNATHAHALLI**
- Taluka : **HOSPET**
- Post office : **JAMBUNATHAHALLI**
- Pin Code :
- FAX No. : **08392-277870 ,gmmcgroup@yahoo**
- E-mail : **gmmcgroup@gmail.com**
- Phone : **08392-277870 (O), 98862851**
- (f) **Police Station** : **HOSPET**
- (g) **First opening date** :
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **GADIGI PALACE, CAR STREET,**
correspondance **BELLARY-583101.**
3. (a) **Lease Number** : **KAR0156**
- (b) **Lease area** : **56.88**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **07/03/2002**
4. **Mineral worked** : **IRON ORE** **Main**

5. Name and Address of the

Lessee : ALLUM BASAVARAJ
 LEGAL HEIR OF LATE ALLUM
 KARIBASAPP GADIGI PALACE,
 CAR STREET BELLARY BELLARY
 KARNATAKA
 Phone:
 FAX :

Owner : ALLUM.BASAVARAJ
 LEGAL HEIR OF LATE ALLUM
 KARIBASAPP GADIGI PALACE,
 CAR STREET, BELLARY BELLARY
 KARNATAKA
 Phone:
 FAX :

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| 6. Date of approval of Mining | : | Renewal under rule 22 MCR1960 | 03/09/2002 |
| Plan/Scheme of Mining | | Modif.of approved Mining Plan | 15/02/2006 |
| | | Renewal under rule 24 MCR1960 | 25/01/2007 |
| | | Mining Scheme rule 12 MCDR1988 | 04/03/2016 |
| | | MP review under 17(1) MCR 2016 | 07/11/2016 |

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|---|---|--|
| 1a | Backlog of previous year | DTH Borehole proposal 10 m for the year 2017-18 | Nil | Exploration was not carried out since mine is non-working due to forest clearance. |
| 1b | Exploration over lease area for geological axis 1 or 2 | DTH Borehole proposal 10 m for 2018-19 | Nil | - |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | Nil | Nil | - |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No Proposals | Nil | - |
| 1e | Balance reserve as on 01/04/20 | 3,92,687 tons | Reserve is reported as 0 tons as on 1.04.2019 in AR 2018-19 | The violation is pointed out. |
| 1f | General remarks of inspecting officers on geology, exploration etc | | | No Exploration work was done ,as mine is non working due to Forest clearance. |

Development :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|------------------------|-------------|--|
| 2a | Location of development w.r.t.lease area | N-1685831 to N-1685955 | Nil | The mine is non working due to forest clearance. |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | No Proposal | Nil | - |
| 2c | Stripping ratio or ore to OB ratio | 1:0.22 | Nil | - |
| 2d | Quantity of topsoil generation in m3 | No proposal | Nil | - |
| 2e | Quantity of overburden generation in m3 | 1,777 | Nil | - |

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|----|---|---|
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | No development work as the mine is non working due to forest clearance. |
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Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|----------------------|-------------|----------------------|
| 3a | Number of pit proposed for production | One | Nil | — |
| 3b | Quantity of ROM mineral production proposed | 16000 tons | Nil | — |
| 3c | Recovery of sailable/usable mineral from ROM production | 100 % | Nil | Mine is non working. |
| 3d | Quantity of mineral reject generation | No proposals | Nil | — |
| 3e | Grade of mineral rejects generation and threshold value declared. | No proposals | Nil | — |
| 3f | Quantity of sub grade mineral generation. | No proposals | Nil | — |
| 3g | Grade of sub grade mineral generation | No proposals | Nil | — |
| 3h | Manual / Mechanised method adopted for segregating from ROM | Mechanised screening | Nil | Mine is non working. |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No proposals | Nil | — |
| 3j | Provision of drilling and blasting in mineral benches | No proposals | Nil | — |

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|----|--|--|--|---|
| 3k | Provision of mining machineries in mineral benches | Yes | Nil | Mine is non working. |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | Not applicable- | float ore | Nil |
| 3m | Total area covered under excavation/pits | 4284 m2 | Nil | — |
| 3n | Ore to OB ratio for the pit/mine during the year. | 1:0.22 | Nil | (tons) |
| 3o | Total area put in use under different heads at the end of year | 4284 m2 for mining and backfilling as it is float ore deposit | Nil | — |
| 3p | Production of ROM mineral during the last five year period as applicable | 2014-15: Nil 2015-16: 16000 tons 2016-17: 16000 tons 2017-18: 16000 tons 2018-19: 16000 tons | 2014-15: Nil 2015-16: 0 ton 2016-17: 0 ton 2017-18: 0 ton 2018-19: 0 ton | The Mine is non working due to forest clearance. |
| 3q | General remarks of inspecting officers on method of mining etc. | | | There are no mining activities as the mine is non-working for forest clearance. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|--|---|-------------|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | It is proposed to backfill waste generated in mined out pits as it is float ore mining. | Nil. | — |
| 4b | Location of topsoil, OB and mineral reject dumps | No Proposals | Nil | — |

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|----|--|--|-----------------------|--|
| 4c | Number of dumps within lease area and outside of lease area | One within lease area. | One within lease area | — |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | Ouside | Outside | — |
| 4e | Number of active and alive dumps. | No proposals | Nil | — |
| 4f | Number of dead dumps. | One | One | — |
| 4g | Number of dumps established. | No proposals | Nil | — |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | 356 m Toewall proposed and 440 m garland drain | Nil | The Mine is non-working. |
| 4i | Length of Retaining wall or garland drain all along dumps | 356 m toewall and 440 m Garland drain | Nil | The mine is non-working. |
| 4j | Number of settling ponds | 2 nos. | Nil | — |
| 4k | Specific comments of inspecting officer on waste dump management | | | No specific comments. There are no activities as the mine is non-working for forest clearance. |

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. | It was proposed to fully excavate float ore and subsequent generated waste backfilling in the mined out area. | nil | — |
| 5b | Area under backfilling of mined out area | 4284 m2 for mining and subsequent backfilling of the mined out area. | Nil | — |

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|----|---|--------------|-----|---|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No Proposals | Nil | — |
| 5d | Total area fully reclaimed and rehabilitated | 0.428 ha | Nil | — |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | | | There is no activities in the mine as the mine is non-working for forest clearance. |

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). | — | — | Mine is non working. |
| 6b | Area available for rehabilitation (ha) . | 0.428 ha | Nil | — |
| 6c | afforestation done (ha). | 0.521 ha | nil | — |
| 6d | No. of saplings planted during the year | 1304 nos. | nil | — |
| 6e | Cumulative no .of plants | 1732 nos. | nil | — |
| 6f | Any other method of rehabilitation | No proposals | Nil | — |
| 6g | Cost incurred on watch and care during the year | No proposals | Nil | — |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | 0.428 ha | Nil | — |

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|----|---|---|------|--------------------------|
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | It was proposed to backfill the mined out area with generated waste | Nil | Float ore. |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area | It was proposed to backfill the mined out area and carry out afforestation (0.428 ha) | Nil | — |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | No proposals | Nil | — |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means. | No proposals | Nil | — |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation | No proposals | Nil | — |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha) | No proposals | Nil | — |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation | No Proposals | Nil | — |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | Environmental monitoring proposed | Nil. | The mine is non-working. |

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| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | There is no activities in the mine as the mine is non-working for forest clearance. |
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Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|------------------------------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | Screening, - 45% Fe & +45%Fe | Nil | - |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | Mechanical(scr eening) | Nil | - |
| 7c | Different grade of mineral sorted out at mines. | -45 % Fe & +45 % Fe | Nil | - |
| 7d | Any beneficiation process at mines | No proposals | nil | - |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | | | The mine is non-working due to forest clearance. |

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--------------|-------------|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No proposals | nil | - |
| 8b | Concurrent use or storage of topsoil | No proposals | nil | - |

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|----|---|---|------|--|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No proposals | Nil | — |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No proposals | Nil | — |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | It was proposed to backfill the mined out area and carry out afforestation | Nil | — |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | Additional plantation proposed 1304 for the year 2018-19, Cumulative proposed 1732. | nil | — |
| 8g | Survival rate | 80 % | Nil | — |
| 8h | Water sprinkling on roads to control airborne dust | Water sprinkling proposed on roads | Nil. | The mine is non-working. |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | | No specific remarks. The mine is non-working for forest clearance. |

Compliance of Rule 45:

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|---|---|---|-------------------------------|
| 9a | Status of submission of Monthly and Annual returns | MR submitted up to Dec-19, A.R submitted up to 2018-19. | Submitted. The date of execution of mining Lease deed is reported as 14/2/2009 in AR 2018-19-I (11) which is incorrect, as no executed lease deed for the second renewal w.e.f. 8.3.2002 was found during inspection. The date of transfer is reported as 01/1/1970 in I (10) of AR-2018-19, which is incorrect .There is no transfer of this lease. | The violation is pointed out. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Nil | No appointment of Mining Engineer and Geologist as the mine is closed for want of forest clearance. | — |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Not mentioned | The Land use is reported as 0 hectares for all categories in I(12) of AR-2018-19 which is incorrect. | The violation is pointed out |
| 9d | Scrutiny of Annual return on afforestation | Nil | Nil | The mine is non-working. |
| 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 | Details given | Details given | — |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Nil | Nil | The mine is non-working. |
| 9h | Scrutiny of Annual return on fixed assets | Nil | Nil | The mine is non working. |
| 9k | Scrutiny of Annual return on mining machineries | Nil | Nil | The mine is non working. |

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 45(5)(c | 27/01/2020 | | | |

Date :

(SANDEEP KUMAR SINGH)

Indian Bureau of Mines