

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

**Mining Plan Modification REPORT**

**Bangalore regional office**

**Mine file No :** KNT/TMK/FE/31/BNG

**Mine code :** 30KAR19015

- (i) Name of the Inspecting : 130 ) PRASHANT S HEGDE  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri S.H. Vijay Kumar, QP  
Official with  
Designation
- (iv) Date of Inspection : 17/10/2017
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : KAREKULUCHI
- (b) **Registration NO.** : IBM/229/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : KARNATAKA
- District : TUMKUR
- Village : KAREKULUCHI
- Taluka : TIPTUR
- Post office : KAREKULUCHI
- Pin Code :
- FAX No. : 080-23612200
- E-mail : hanuman2220@gmail.com,
- Phone : 080-41236221
- (f) **Police Station** : C.N.HALLI
- (g) **First opening date** : 02/11/1996
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Sri Vinod Goel, Proprietor  
M/s Shri Hanuman Mines, No-408, 12th Main  
RMV Extension, Bangalore-560 080
3. (a) **Lease Number** : KAR1006
- (b) **Lease area** : 82.8
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 01/11/2016
4. **Mineral worked** : IRON ORE Main  
OCHRE Associated  
MANGANESE ORE Associated

## 5. Name and Address of the

Lessee : VINOD GOEL  
Proprietor of M/s Shri  
Hanuman Mine No-408, 12 th  
Main, RMV Extension  
Bangalore BANGALORE  
KARNATAKA  
Phone:080-23612200  
FAX :

Owner : VINOD GOEL  
Proprietor M/s Shri Hanuman  
Mines, No-408 12 th Main  
RMV Extension,Bangalore  
BANGALORE KARNATAKA  
Phone:  
FAX : 08023612200

## Manager

Name : T.P.SHARMA  
Qualification : BSC & FCC  
Appointment/ : 16/12/2006  
Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 01/04/1993  
Plan/Scheme of Mining Mining Scheme rule 12 MCDR1988 02/02/2007

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

## Exploration :

| Sl.No. | Item  | Proposals | Actual work   | Remarks   |
|--------|---|-----------|---|---|
| 1a     | Backlog of previous year  | NIL       | NIL   | No mining operation during last 6 years due to Hon'ble Supreme Court Order and delay in statutory clearances.   |
| 1b     | Exploration over lease area for geological axis 1 or 2              | NIL       | NIL during year.  | Iron ore mineralised area ( 4.87 Ha): 2.23 Ha under G-1, 0.32 Ha under G-2 and 2.32 Ha under G-3<br>Mn ore mineralised area ( 1.34 Ha): 1.34 Ha under G-3 |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | NIL       | NIL   | Expenditure incurred so far:Rs 30 lakhs.  |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | NIL       | Exploration in Iron ore mineralised area ( 4.87 Ha): 2.23 Ha under G-1, 0.32 Ha under G-2 and 2.32 Ha under G-3<br>Exploration in Mn ore mineralised area ( 1.34 Ha): 1.34 Ha under G-3 | NIL   |
| 1e     | Balance reserve as on 01/04/20                                      | NIL       | Iron ore: 1,611,760 tonnes reserves (+45 % Fe cut-off as on 18/5/2017)<br>Mn ore ore: 5,264 tonnes reserves (+10 % Mn cut-off as on 18/5/2017)  | As per approved Modified MP dated 24/11/2017.   |

|    |  |              |       |   |
|----|--|--------------|-------|---|
| 1f | General remarks of inspecting officers on geology, exploration etc | -----<br>--- | ----- | The lessee had carried out 27 nos DTH boreholes with 933 total meterage and 15 nos core boreholes with 418 total meterage so for. 22 nos of core boreholes with 920 total meterage and 15 nos of trenches are proposed in modified MP dated 24/11/2017 for conversion of entire mineralized area under G-1. |
|----|--|--------------|-------|---|

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Development :

| Sl.No. | Item  | Propasals | Actual work                         | Remarks   |
|--------|---|-----------|-------------------------------------|---|
| 2a     | Location of development w.r.t.lease area  | NIL       | NIL                                 | Non-working Mine and no valid MP/SOM.   |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15)                          | NIL       | Separate benches in OB and minerals | NIL   |
| 2c     | Stripping ratio or ore to OB ratio  | NIL       | NIL                                 | NIL   |
| 2d     | Quantity of topsoil generation in m3  | NIL       | NIL                                 | NIL   |
| 2e     | Quantity of overburden generation in m3   | NIL       | NIL                                 | NIL   |
| 2f     | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | -----     | -----                               | No mining operation since last six years due to Hon'ble supreme Court Order & delay in statutory clearance. No valid MP/SOM for year 2016-17. |

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Exploitation:

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

|    |   |     |     |   |
|----|---|-----|-----|---|
| 3a | Number of pit proposed for production   | NIL | NIL | Existing Pits: Pit No-1(active in revenue land) 379m X 304 m X 51 m<br><br>Pit No-1(Inactive in Forest land) 266m X 127 m X 41 m<br><br>Pit No-2(Inactive float ore pit) 360m X 88 mX 1 m |
| 3b | Quantity of ROM mineral production proposed   | NIL | NIL | NIL   |
| 3c | Recovery of sailable/usable mineral from ROM production   | NIL | NIL | NIL   |
| 3d | Quantity of mineral reject generation   | NIL | NIL | NIL   |
| 3e | Grade of mineral rejects generation and threshold value declared.                               | NIL | NIL | NIL   |
| 3f | Quantity of sub grade mineral generation.   | NIL | NIL | NIL   |
| 3g | Grade of sub grade mineral generation   | NA  | NA  | NIL   |
| 3h | Manual / Mechanised method adopted for segregating from ROM                                     | NIL | NIL | NIL   |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | NIL | NIL | NIL   |
| 3j | Provision of drilling and blasting in mineral benches   | NIL | NIL | NIL   |

|    |  |                            |   |  |
|----|--|----------------------------|---|--|
| 3k | Provision of mining machineries in mineral benches   | NIL                        | NIL   | NIL  |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | NIL                        | Benches having height of 3 to 15 m with width of 2 to 7 m | NIL  |
| 3m | Total area covered under excavation/pits   | NIL                        | NIL   | 12.62 Ha area covered under mining so far.   |
| 3n | Ore to OB ratio for the pit/mine during the year.  | NIL                        | NIL   | NIL  |
| 3o | Total area put in use under different heads at the end of year                                       | NIL                        | NIL   | Existing land use pattern as follows:<br>Mining: 12.62 Ha<br>Dumps: 10.45 Ha<br>Road: 3.5 Ha<br>Infrastructure: 0.5 Ha                           |
| 3p | Production of ROM mineral during the last five year period as applicable                             | NIL during last five years | NIL during last five years                                | NIL  |
| 3q | General remarks of inspecting officers on method of mining etc.                                      | NIL                        | NIL   | No mining operation since last six years due to Hon'ble supreme Court Order & delay in statutory clearance. No valid MP/SOM for last five years. |

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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) | NIL       | NIL         | Non-working mine |
| 4b     | Location of topsoil, OB and mineral reject dumps                 | NIL       | NIL         | NIL              |

|    |  |                |   |   |
|----|--|----------------|---|---|
| 4c | Number of dumps within lease area and outside of lease area        | NIL            | 4 nos within ML and three outside ML i.e. encroached dumps.                         | NIL   |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | NIL            | Outside the UPL   | NIL   |
| 4e | Number of active and alive dumps.                                  | NIL            | NIL   | NIL   |
| 4f | Number of dead dumps.  | NIL            | 4 nos   | NIL   |
| 4g | Number of dumps established.                                       | NIL            | 4 nos of dumps partly established   | 8.52 Ha area of dumps established.                                      |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | NIL            | Retaining wall and garland drain all along dumps were constructed as per R & R plan | NIL   |
| 4i | Length of Retaining wall or garland drain all along dumps          | NIL            | 741 m retaining wall and 389 m garland drain within ML constructed so far.          | NIL   |
| 4j | Number of settling ponds   | NIL            | 1 nos   | Besides, 40 nos of check dams constructed so far.                       |
| 4k | Specific comments of inspecting officer on waste dump management   | -----<br>----- | -----<br>-----  | Waste dump management are being carried out as per approved R & R plan. |

#### Solid Waste Management - Backfilling:

| Sl.No. | Item  | Proposals | Actual work | Remarks  |
|--------|---|-----------|-------------|--|
| 5a     | Status of part or full extraction of mineral from mined out area before starting backfilling. | NIL       | NIL         | Pits were not matured for backfilling so far as ore not exhausted. |
| 5b     | Area under backfilling of mined out area  | NIL       | NIL         | NIL  |
| 5d     | Total area fully reclaimed and rehabilitated  | NIL       | NIL         | NIL  |



|    |   |       |                         |  |
|----|---|-------|-------------------------|--|
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area        | NIL   | NIL                     | NIL  |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | NIL   | NIL                     | NIL  |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.                 | NIL   | NIL                     | NIL  |
| 6m | Compliance of rehabilitation of waste land within lease (i) afforestation                                 | NIL   | 16,261 nos of saplings. | NIL  |
| 6n | Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)                     | NIL   | 1.58 Ha                 | NIL  |
| 6o | Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation                    | NIL   | Plantation              | NIL  |
| 6p | Compliance of environmental monitoring (core zone and buffer zone)  | NIL   | NIL                     | Non-working Mine   |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.         | ----- | -----                   | Non-working mine and no valid MP/SOM. However, the implementation approved R & R plan is under progress. |

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Mineral Conservation:

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| Sl.No. | Item   | Propasals  | Actual work | Remarks   |
|--------|--|------------|-------------|---|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area                           | NIL        | NIL         | NIL   |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical.                        | NIL        | NIL         | NIL   |
| 7c     | Different grade of mineral sorted out at mines.  | NIL        | NIL         | NIL   |
| 7d     | Any beneficiation process at mines   | NIL        | NIL         | NIL   |
| 7e     | General remarks of inspecting officer on Mineral conservation and beneficiation issues | -----<br>- | -----       | No mining operation since last six years due to Hon'ble supreme Court Order & delay in statutory clearance. No valid MP/SOM for last five years |

## Environment:

| Sl.No. | Item  | Propasals | Actual work | Remarks                                      |
|--------|---|-----------|-------------|--|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | NIL       | NIL         | NIL  |
| 8b     | Concurrent use or storage of topsoil  | NIL       | NIL         | NIL  |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | NIL       | NIL         | NIL  |
| 8e     | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | NIL       | NIL         | 8.52 Ha dumps area stabilized by plantation. |

|    |  |       |   |  |
|----|--|-------|---|--|
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | NIL   | 542 nos of saplings during year 2016-17. Lessee had carried out cum. plantation of 1,20,000 nos of saplings so far. | Forest area: 28.59 Ha and Non-Forest area: 54.55 Ha  |
| 8g | Survival rate  | NIL   | 70 %  | NIL  |
| 8h | Water sprinkling on roads to control airborne dust                                       | NIL   | NIL   | Non-working Mine.  |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area       | ----- | -----   | The aesthetic beauty in and around mine is good as lessee had carried out huge afforestation and other environmental protective measures as per approved R & R plan. |

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#### Compliance of Rule 45:

| Sl.No. | Item  | Propasals  | Actual work   | Remarks           |
|--------|---|--|---|-------------------|
| 9a     | Status of submission of Monthly and Annual returns  | -----  | 2016-17 AR received and MRs submission are also regular | NIL               |
| 9b     | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | Manager and ME: Shri Manoj Kumar, Geologist: Prasanna                | None  | Non-working Mine. |
| 9c     | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Pits: 12.62 Ha;<br>Dumps: 10.45 Ha<br>Infrastructure & Road: 4.75 Ha | Actual also same.                                       | NIL               |
| 9d     | Scrutiny of Annual return on afforestation  | 542 nos within ML and 1300 nos Outside ML                            | Actual also same  | NIL               |

|    |   |  |   |     |
|----|---|--|---|-----|
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | NIL  | NIL                                     | NIL |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                    | NIL ROM stock  | Actual also same.                       | NIL |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Sale value, ex-mine price and production cost were NIL                                       | Actual is also NIL as non-working Mine. | NIL |
| 9h | Scrutiny of Annual return on fixed assets                                   | Rs 5,42,70,814   | Appear to be correct.                   | NIL |
| 9k | Scrutiny of Annual return on mining machineries                             | Dozer-1nos<br>Shovel-5nos<br>Wheel Loader:-<br>2 nos<br>Tippers/Truck (10 tonnes):<br>21 nos | Appear to be correct.                   | NIL |

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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 :**

(PRASHANT S HEGDE)

Indian Bureau of Mines