

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/KNL/GOLD-1/HYD

**Mine code :** 27APR11001

- (i) Name of the Inspecting : **M017** ) **MANISH K MAINDIRATTA**  
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Mr. M Masanam Saravanan, Mines Manager, Mr. Karthikey  
Official with  
Designation
- (iv) Date of Inspection : 06/03/2020
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **JONNAGIRI (597.82 HA)**
- (b) **Registration NO.** : **IBM/18273/2014**
- (c) **Category** : **A Fully Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **ANDHRA PRADESH**
- District : **KURNOOL**
- Village : **JONNAGIRI**
- Taluka : **TUGGALI MANDAL**
- Post office : **PAGADRAYI**
- Pin Code : **518390**
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : **21/10/2013**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **627, TRINITY, 3rd CROSS, 3rd BLOCK**  
**correspondance** **KORAMANGALA, BANGALURU- 560034**
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
4. **Mineral worked** : **GOLD** **Main**

5. Name and Address of the

Lessee : GEOMYSORE SERVICES (INDIA) PVT. LTD.  
627, 3rd CROSS 3rd BLOCK,  
KORAMANGALA BANGALORE  
BANGLORE URBAN KARNATAKA  
Phone:080 40428400  
FAX :080 40428401

6. Date of approval of Mining : MP review under 17(1) MCR 2016 13/04/2018  
Plan/Scheme of Mining

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

## Exploration :

| Sl.No. | Item  | Proposals   | Actual work   | Remarks  |
|--------|---|---|---|--|
| 1a     | Backlog of previous year  | Nil   | nil   |  |
| 1b     | Exploration over lease area for geological axis 1 or 2              | 68 boreholes were proposed in 2018-19<br>Apart from this 12 trenches were also proposed in 2018-19. | 13.01 hectare is under G1 , 8.88 hectare is under G2 and 174.08 hectare of unexplored potential area has been assessed in the last approved document. Subsequently lessee has undertaken only two trenches of total length 210m.  | 53 boreholes were proposed in 2019-20 as well. |
| 1c     | Exploration Agencies and Expenditure in lakh rupees during the year | ----  | About 1 lakh reported during inspection.  |  |
| 1d     | Balance area to be explored to bring Geological axis in 1 or 2      | ---   | 13.01 hectare is under G1 , 8.88 hectare is under G2 and 174.08 hectare of unexplored potential area has been assessed in the last approved document. TThe unexplored area and G2 area still require to be upgraded.  |  |
| 1e     | Balance reserve as on 01/04/20                                      | -----   | No depletion of reserves or resource has happened.<br>As such the reserves and resources are as under:<br>East Block-<br>(111/122)=2.9974mT Ore<br>(221/222)=1.5654mT Ore<br>(111/122)=0.1032mT Ore<br>(221/222)=0.0058mT Ore<br><br>West Block<br>(111/122) =0.1575mT Ore<br>(221/222)= 0.9449mT Ore<br><br>Average grade of of 1.84g/T has been assessed for both east and west block.<br><br>additionally Mineral reject amounting 3.6387mT was also assessed with 0.43g Au / tonne of reject. |  |

1f General remarks of inspecting officers on geology, exploration etc ----- Exploration work is lagging as per the proposals given by lessee in the document. geophysical exploration may be done to figure out abnormalities in the entire lease area. Magnetic survey and Induced polarisation method of geophysical surveying has reportedly been done in the lease area.

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Development :

| Sl.No. | Item   | Proposals  | Actual work   | Remarks |
|--------|--|--|---|---------|
| 2a     | Location of development w.r.t.lease area                       | Mine development has been planned in East Block Pit area . | No development work has been done.  |         |
| 2b     | Separate benches in topsoil, overburden and minerals (Rule 15) | The development proposals were there                       | Not undertaken  |         |
| 2c     | Stripping ratio or ore to OB ratio                             | 2018-19 = 1cum ore :9.1 cum waste                          | Not applicable as development work has not been undertaken.                       |         |
| 2d     | Quantity of topsoil generation in m3                           | 2018-19= 62500 cum of top soil generation anticipated      | 2018-19 - NIL generated , as production and development work has not started yet. |         |
| 2e     | Quantity of overburden generation in m3                        | 2018-19= 572000 cu m top soil generation anticipated       | No development work undertaken till now.  |         |

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| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | It has been noted that lessee has not undertaken the site preparation for putting up plant, waste dumping, excavation, road development etc in the lease area so far, citing that land acquisition is being done. Though it has been made to understand that the consent of the land owner has been obtained but the formal transfer of land in the name of company has been done. | It is not clear as why the work has not been done despite the consent of the land owners. |
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#### Exploitation:

| Sl.No. | Item  | Propasals   | Actual work   | Remarks |
|--------|---|---|---|---------|
| 3a     | Number of pit proposed for production                             | one   | Not applicable as development work has not been undertaken. |         |
| 3b     | Quantity of ROM mineral production proposed                       | 2018-19=78000cum ore +52400 cu m mineral reject =130400cu m       | NIL   |         |
| 3c     | Recovery of sailable/usable mineral from ROM production           | Insitu Ore- 1.07g/t Mineral reject -0.43g/t recovery was assesed. | Not applicable as development work has not been undertaken. |         |
| 3d     | Quantity of mineral reject generation                             | 52400 cu m  | Not applicable as development work has not been undertaken. |         |
| 3e     | Grade of mineral rejects generation and threshold value declared. | Mineral reject of 0.43g/tonne was assesed.                        | Not applicable as development work has not been undertaken. |         |
| 3f     | Quantity of sub grade mineral generation.                         | No proposal   | Not applicable as development work has not been undertaken. |         |
| 3g     | Grade of sub grade mineral generation                             |   | Not applicable as development work has not been undertaken. |         |

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| 3h | Manual /<br>Mechanised<br>method adopted<br>for segregating<br>from ROM  | Mechanised<br>method was<br>proposed.   | No production and<br>development work or<br>mineral processing<br>operation has started<br>yet. No site preparation<br>work for the processing<br>plant or development of<br>mine has been done so<br>far. |
| 3i | Any analysis or<br>beneficiation<br>study proposed<br>and carried out<br>for sub grade<br>mineral and<br>rejects.      | No proposal   | not done   |
| 3j | Provision of<br>drilling and<br>blasting in<br>mineral benches   | 115mm dia<br>drilling with<br>Blasting for<br>waste benches<br>and 40mm dia<br>D&B for Ore<br>benches have<br>been proposed | No production and<br>development work has<br>started yet   |
| 3k | Provision of<br>mining<br>machineries in<br>mineral benches  | Shovel -Dumper<br>combination is<br>proposed for<br>mineral<br>production.  | No production and<br>development work has<br>started yet and no<br>machinery has been<br>provided at the site so<br>far.   |
| 3l | Whether height<br>of benches in<br>overburden and<br>mineral suitable<br>for method of<br>mining proposed<br>in MP/SOM | 7.5 m bench is<br>proposed in OB<br>and Mineral<br>benches  | No production and<br>development work has<br>started yet.  |
| 3m | Total area<br>covered under<br>excavation/pits   |   | Excavation work has not<br>started so far.   |
| 3n | Ore to OB ratio<br>for the pit/mine<br>during the year.  | 1cum : 9.6 cu<br>m  | Not Applicable as<br>production and<br>development work has not<br>commenced so far  |
| 3o | Total area put<br>in use under<br>different heads<br>at the end of<br>year   |   | except for the nominal<br>area under trench , no<br>fresh area has been<br>degraded.   |
| 3p | Production of<br>ROM mineral<br>during the last<br>five year period<br>as applicable                                   |   | ROM production is<br>reportedly Nil in last<br>five years as excavation<br>for production has not<br>started.  |

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| 3q | General remarks of inspecting officers on method of mining etc. | The reason for not undertaking production and development work in the mine has been submitted to be as delay in land acquisition. |
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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 Topsoil & Mineral Reject is proposed   | No production and development work has been started so far. |         |
| 4b     | Location of topsoil, OB and mineral reject dumps                   | Dumping of waste was proposed in earmarked site for the purpose in the eastern end of the lease between gridline 1687570N-1686875N and 778945E - 779810E | No production and development work has been started so far. |         |
| 4c     | Number of dumps within lease area and outside of lease area        | One waste dump was proposed  | NIL   |         |
| 4d     | Location of dumps w.r.t. ultimate pit limit (Rule 16)              | dumping proposed beyond the ultimate pit limit   | No production and development work has been started so far. |         |
| 4e     | Number of active and alive dumps.                                  | Porposed one waste dump  | No production and development work has been started so far. |         |
| 4f     | Number of dead dumps.  | NIL  | NIL   |         |
| 4g     | Number of dumps established.                                       | NO proposal for stabilisation of dump  | Not done  |         |
| 4h     | Whether Retaining wall or garland drain all along dumps are there. | No proposal  | Not done  |         |

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| 4i | Length of Retaining wall or garland drain all along dumps        | No proposal | Not done  | tailing dam embankment and waste dump embankment with plantation was proposed. |
| 4j | Number of settling ponds   | Proposed    | NIL   |  |
| 4k | Specific comments of inspecting officer on waste dump management |             | The site preparation work is required to be done for the waste dumping, |  |

#### 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 production and development work has been started so far. Area is thus not mature for the prupose |         |
| 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)     | proposed    | No production and development work has been started so far.   |         |
| 5d     | Total area fully reclaimed and rehabilitated  | No proposal | NIL , as production and development work has not been started so far.                               |         |

#### 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). | ----   | Not submitted for 2018-19 |                             |
| 6b     | Area available for rehabilitation (ha) .                                     | No proposal for management of worked out benches | NIL                       | Not mature for the purpose. |



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|----|--|--|--|--|
| 6c | afforestation done (ha).   | No proposal for management of worked out benches               | Nil  | Not mature for the purpose.                |
| 6d | No. of saplings planted during the year  | No proposal for management of worked out benches               | Nil  | Not mature for the purpose.                |
| 6e | Cumulative no .of plants   | No proposal for management of worked out benches               | Nil  | Not mature for the purpose.                |
| 6f | Any other method of rehabilitation   | ----   | ----   |  |
| 6g | Cost incurred on watch and care during the year  | -----  | -----  |  |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D | No proposal for reclamation and rehabilitation by back filling | No production and development work has started               | Not mature for the purpose.                |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings          | No proposal for reclamation and rehabilitation by back filling | Not done as production and development work has not started. |  |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area       | No proposal for reclamation and rehabilitation by back filling | Not undertaken   | Not mature for the purpose of backfilling. |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir  | No proposal  | Not undertaken.  | Not mature for the purpose.                |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.                   | ----   | -----  |  |

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|----|---|---|--|--|
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation              | Green belt proposal - 825 saplings over 0.3 hectare in 2018-19 & 1250 saplings over 0.5 hectare in 2019-20. | Plantation work has not been done as proposed for 2018-19. | Tailing dam proposal- 1300 saplings over 0.52 hect of tailing dam embankment in 2019-20.<br>Dump proposal- 1800 saplings over 0.7 hectare area in 2019-20. |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)  | Green belt proposal - 825 saplings over 0.3 hectare in 2018-19 & 1250 saplings over 0.5 hectare in 2019-20. | Plantation work has not been done as proposed for 2018-19. |  |
| 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)                    |   | Monitoring is being done                                   |  |

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#### Mineral Conservation:

| Sl.No. | Item  | Propasals   | Actual work  | Remarks |
|--------|---|---|--|---------|
| 7a     | ROM Mineral dispatch or grade-wise sorting within lease area    | 2018-19=78000cum ore +52400 cu m mineral reject =130400cu m | ROM Production-NIL                                   |         |
| 7b     | Method of grade-wise mineral sorting i.e. manual or mechanical. | No proposal   | Production and development work has not started yet  |         |
| 7c     | Different grade of mineral sorted out at mines.                 | No proposal   | No sorting has been done.                            |         |
| 7d     | Any beneficiation process at mines                              | Proposed  | benefeciation plant has not been commissioned so far |         |

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## Environment:

| Sl.No. | Item  | Propasals   | Actual work   | Remarks |
|--------|---|---|---|---------|
| 8a     | Separate removal and utilization of topsoil (Rule 32)   | Separate stacking of Topsoil proposed   | Mineral excavtion for production has not yet started.           |         |
| 8b     | Concurrent use or storage of topsoil  | separate stacking and utilisation proposed  | Mineral excavtion for production has not yet started.           |         |
| 8c     | Separate dumps for overburden, waste rock, rejects and fines (Rule 33)                                      | Seperate dump proposed.   | Mineral excavtion for production has not yet started.           |         |
| 8d     | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use           | No proposal   | Not done  |         |
| 8e     | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No proposal   | Area is not mature for the purpose                              |         |
| 8f     | Baseline information on existence of plantation and additional plantation done (Rule 41)                    | Green belt proposal - 825 saplings over 0.3 hectare in 2018-19 & 1250 saplings over 0.5 hectare in 2019-20. | Not undertaken plantation in the mine so far                    |         |
| 8g     | Survival rate   | ---   | Not applicable as plantation work has not started within lease. |         |
| 8h     | Water sprinkling on roads to control airborne dust  | ---   | Not applicable.   |         |

## 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 Feb- 2020<br>Annual return submitted up to FY2018- 19. |         |

|    |   |  |  |
|----|---|--|--|
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager           | M Masanam Sarvanam as Mining Engineer M.K Devarajan as geologist | Presently Sh Karthikeyan C is working as geologist M Masanam Sarvanam as Mining Engineer |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | 4.4 hectare of old excavation is reported                        | No fresh excavation is done  |
| 9d | Scrutiny of Annual return on afforestation  | 400 saplings within ML   | No plantation has been observed within lease area  |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity)                   | NIL  | As per submission  |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore                                      | NIL  | as reported  |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost                   | NIL  | NIL  |
| 9h | Scrutiny of Annual return on fixed assets   | data submitted   | production and development work has not been started.                                    |

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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) | 22/05/2020    |                     |           |               |
| MCDR17             | Rule 26(2) | 22/05/2020    |                     |           |               |

**Date :**

**(MANISH K MAINDIRATTA)**

Indian Bureau of Mines