

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Mr. Karthikeyan C, M.Sc (Geology) and others
Official with
Designation
- (iv) Date of Inspection : 18-MAR-21
- (v) Prev.inspection date : 06-MAR-20

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-OCT-13
- (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-APR-18
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	53 no. of core bore holes & 12 trenches are proposed to be carried out	8 trenches completed and regarding balance exploration by Core drilling, Form-I for commencement of exploration activity is submitted to this office on 10.11.2020. During inspection exploration activity is under progress and lessee committed to intimate the progress of drilling activity regularly.	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Geomysore Services Ind. Pvt. Ltd., 2.5 Cr	Geomysore Services Ind Pvt. Ltd. 1.42 Cr.	
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	3.1062 MT	<p>No depletion of reserves or resource has happened.</p> <p>As such the reserves and resources are as under:</p> <p>East Block-</p> <p>(111/122)=2.9974mT Ore (221/222)=1.5654mT Ore (111/122)=0.1032mT Ore (221/222)=0.0058mT Ore</p> <p>West Block</p> <p>(111/122) =0.1575mT Ore (221/222)= 0.9449mT Ore</p> <p>Average grade of of 1.84g/T has been assessed for both east and west block.</p> <p>additionally Mineral reject amounting 3.6387mT was also assessed with 0.43g Au / tonne of reject.</p>
1f	General remarks of inspecting officers on geology, exploration etc		<p>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.</p>

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Mine development has been planned in East Block Pit area; same is indicated in the plans No. 70 and 72 in Mining Plan	No development work has been done.	Site clearance work for exploration pits and trenches have to be made.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed to create 3 benches and ancillary works	Not undertaken	It will be carried out once mine operation starts
2c	Stripping ratio or ore to OB ratio	1:4	Not applicable as development work has not been undertaken.	
2d	Quantity of topsoil generation in m3	75,000	2019-20 - NIL generated , as production and development work has not started yet.	
2e	Quantity of overburden generation in m3	11,41,000	No development work undertaken till now.	
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.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	01	Not applicable as development work has not been undertaken.
3b	Quantity of ROM mineral production proposed	2019- 20=1,08,000 T ore +84, 300 T mineral reject =1,92,300 T	Nil
3c	Recovery of sailable/usable mineral from ROM production	In situ Ore- 1.07g/t Mineral reject -0.43g/t recovery was assessed.	Not applicable as development work has not been undertaken.
3d	Quantity of mineral reject generation	84,300 Tonnes	Nil
3e	Grade of mineral rejects generation and threshold value declared.	0.3 to 0.6 g/T	Not applicable as development work has not been undertaken.
3f	Quantity of sub grade mineral generation.	No proposal	NA
3g	Grade of sub grade mineral generation	No proposal	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized method	No production and development work or mineral processing operation has started yet. No site preparation work for the processing plant or development of mine has been done so far.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	NA

3j	Provision of drilling and blasting in mineral benches	115mm dia drilling with blasting for waste benches and 115/40mm dia for Ore benches have been proposed.	No production and development work has started yet
3k	Provision of mining machineries in mineral benches	Hydraulic shovel - Dumper combination is proposed for mineral handling.	No production and development work has started yet and no machinery has been provided at the site so far.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7.5 m bench is proposed in OB and Mineral benches	No production and development work has started yet.
3m	Total area covered under excavation/pits	10.01 Ha	Excavation work has not started so far.
3n	Ore to OB ratio for the pit/mine during the year.	1:13.6 for FY 2019-20	Not Applicable as production and development work has not commenced so far
3o	Total area put in use under different heads at the end of year	130.6 Ha tentatively for infrastructure development and Mine development activities.	except for the nominal area under trench , no fresh area has been degraded.
3p	Production of ROM mineral during the last five year period as applicable	Between 2018-19 and 2020-21, 4,55,000 t of ROM proposed	ROM production is reportedly NIL in last five years as excavation for production has not started.
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.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Seperate dumping of topsoil and mineral reject is proposed in RMP	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	1 waste dump is proposed within the ML area	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	1 waste dump is proposed at NE 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.	NA	NA	
4g	Number of dumps established.	NO proposal for stabilisation of dump	NA	
4i	Length of Retaining wall or garland drain all along dumps	8050 m	No waste dump exist as no development and production activity started so far	tailing dam embankment and waste dump embankment with plantation was proposed.
4j	Number of settling ponds	No proposal	NA	

4k	Specific comments of inspecting officer on waste dump management	The site preparation work is required to be done for the waste dumping,
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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	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	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	No production and development work has been started so far.	
5d	Total area fully reclaimed and rehabilitated	No proposal	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No area is matured for backfilling as no production and development activity 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).	-	Submitted in time	

6b	Area available for rehabilitation (ha) .	No proposal for management of worked out benches	NA	
6c	afforestation done (ha).	No proposal	NA	
6d	No. of saplings planted during the year	No proposal	NA	
6e	Cumulative no .of plants	No proposal	NA	
6f	Any other method of rehabilitation	No proposal	NA	
6g	Cost incurred on watch and care during the year	No proposal	NA	
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	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Avenue plantation of 2075 saplings proposed between FY 2018-19 & 2020-21	600 saplings have been planted outside the ML area during the current year.	Tailing dam proposal- 1300 saplings over 0.52 hect of tailing dam embankment in 2019-20. Dump proposal- 1800 saplings over 0.7 hectare area in 2019-20.
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	

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Activities like Avenue plantation and Monitoring of Air, Water Noise 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	2019-20=1,08,000 T of ore +84,300 T of mineral reject =192300 T (Total)	No production during the year	
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	NA	
7d	Any beneficiation process at mines .	Proposed to establish Beneficiation plant to extract Gold	Benefeciation plant has not been commissioned so far	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	No development and production activity.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Separate stacking of topsoil planned in the period	Mineral excavation for production has not yet started.	
8b	Concurrent use or storage of topsoil	separate stacking and utilisation proposed	Mineral excavation for production has not yet started.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for waste, mineral reject proposed	Mineral excavation 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	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NA	
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	600 saplings have been planted outside the ML area during the current year.
8g	Survival rate	50%	50%	
8h	Water sprinkling on roads to control airborne dust		Not applicable as plantation work has not started within lease.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Avenue plantation is being carried out to improve aesthetic beauty.
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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. and Annual return to be submitted regularly.	M.R. submitted upto to date. Annual return submitted upto FY 2019-20.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge Mr.M.Masanam Saravanan Geologist in charge Mr.C.Karthikeyan	Mining Engineer in charge Mr.M.Masanam Saravanan Geologist in charge Mr.C.Karthikeyan	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast (O/C) mining : 4.4 Ha (ii) Occupied by plant, buildings, residential, welfare buildings & road : 8.290 Ha	(i) Already exploited & abandoned by opencast (O/C) mining : 4.4 Ha (Area utilised for exploration activity is considered), No fresh excavation is done (ii) Occupied by plant, buildings, residential, welfare buildings & road : 8.290 Ha	
9d	Scrutiny of Annual return on afforestation	Nil	Nil	600 plantation done outside lease area
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	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Rs. 638933212	Rs. 638933212, as furnished by Lessee
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines