



GEOMYSORE SERVICES (INDIA) PVT. LTD.

Date: 30-09-2024

Place: Jonnagiri

To:

The Member secretary,
Andhra Pradesh Pollution Control Board,
Paryavaran Bhavan,
APIIC Colony Road, Gurunanak Colony,
Autonagar, Vijayawada-520007.

Sub: Submission of Environmental Statement in Form-V for the financial year ending on March-2024 of Jonnagiri Gold Mine of M/s Geomysore Services (I) Pvt. Ltd., Tuggali Mandal, Kurnool District, AP.

Sir,

We are herewith attaching the Environmental Statement in Form-V for the financial year ending on March-2024 as per the conditions specified in 3.B. (xviii) of EC clearance vide letter no. F.No.J-11015/393/2008-IA.II (M) dated 02-08-2010.

Thanking you sir,

Yours sincerely,

For Geomysore Services (I) Pvt. Ltd.

M Sai Narasimha Reddy
30/9/24



M Sai Narasimha Reddy,
Manager-Mines.

Encl: Environmental Statement in Form-V

Copy to: Environmental Engineer, APPCB regional office, 3rd floor, Paryavaran Bhavan, Labour Colony Road No.1, VR Colony Main Road, Kurnool, AP-518006.

REGISTERED OFFICE

#77, 16th Cross, Sector-IV, HSR Layout
Bengaluru-560 102. Tel : +91 80 43706624
Email : reception@geomysore.com

(CIN : U74899KA1994PTC044275)

CORRESPONDENCE ADDRESS

#187/1E, Pagidirai Village, Tuggali Mandal,
Kurnool District, Andhra Pradesh - 518 390.
Email : reception@geomysore.com

[FORM – V]

(See rule 14)

**Environmental Statement for the financial year ending
31st March 2024**

PART – A

- (i) Name and address of the owner/occupier : Geomysore Services (India) Pvt. Ltd.
of the industry operation or process No.77, 16th Cross, Sector IV
HSR Layout,
Bengaluru – 560 102
Ph: 080 43706624
- (ii) Industry category Primary (STC : Opencast Gold Mine
code) Secondary. (SIC Code)
- (iii) Production capacity. Units- : (a) Mining: 0.4 Million tones/Annum
(b) Process Plant: 0.3 million tones/Annum
- (iv) Year of establishment : ML was executed on 21st October 2013
- (v) Date of the last Environmental : 27.09.2023
Statement submitted

PART – B

(i) Water and River Material Consumption

- (1) Water consumption m³/d:
- | | |
|----------|--------------------------|
| Process | : 60 m ³ /day |
| Cooling | : - |
| Domestic | : 10 m ³ /day |

Name of Products	Process water consumption per unit of product output	
	During the previous financial year 2022-2023	During the current financial year 2023-2024
<p>In the year 2022-23, We have commenced a pilot scale gold ore processing plant which can produce the gold concentrate from the gold ore through gravity circuit. The processed water is being recycled and again used for processing of ore. Other than the above said purpose, the water is being used for the dust suppression and the domestic purposes.</p> <p>In the year 2023-24 The water is being used for the processing of gold ore in the pilot plant, dust suppression in the mining area and for domestic purposes. The processed water is being recycled and again used for several purpose.</p>		

1. Substituted by Rule 2 (b) of the Environment (Protection) Amendment Rules, 1993 notified vide G.S.R 3'6 (E) dated 22.04.1993.

(ii) Raw Material Consumption

*Name of raw materials	Name of products	Consumption of raw material per Unit of output	
		during the previous financial	current financial year

* Industry may use codes if disclosing details of raw material would violate contractual obligations, otherwise, all industries have to name the raw materials used.

PART - C

**Pollution discharged to environment/unit of output
(Parameter as specified in the consent issued)**

1) Pollutants	Quantity of pollutants discharged (mass/day)	Concentrations of pollutants in Discharges (mass/volume)	Percentage of variation from prescribed standards with reasons
No pollutants are being discharged to the environment			
a)	No liquid effluent is generated. Domestic water discharge is treated using STP and it is being utilized for the plantation purposes.		
b)	Dust is suppressed by the watering of haul roads and stacks using the water tankers. The dust created during the crushing activity in pilot plant area is suppressed by the micro-sprinklers arranged within the crushing area and all the conveyor belts are covered with hoods. Ambient air quality data suggests that the values are well within the permissible limits.		

PART – D: Hazardous Wastes

(as specified under Hazardous Waste Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year	During the current Financial Year

- a) From process : Nil
- b) From pollution control facilities : Nil

PART – E: Solid Wastes

Total Quantity (Kg.)		
During the previous Financial Year		During the current Financial Year
(a)	From process	: Nil
(b)	From pollution control facility	: Nil
(c)	(1) Quantity recycled or re-utilized within the unit	: Nil
	(2) Sold	
	(3) Disposed	: Nil

PART – F

Please specify the characterizations (in terms of composition of quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

No Hazardous or solid wastes have been generated during the reporting period.

PART – G

Impact of the pollution abatement measures taken on conservation of natural resources and on the cost of production.

Water Regime:

The region is almost dry without any perennial rivers, lakes or streams nearby. The ground water is also deep seated. There will not be any major impact of mining on the ground water regime. We have performed a comprehensive study and prepared report on ground water conditions in both core and buffer zones by the CGWA accredited ground water consultant.

The monitoring of ground water level and quality is being carried out periodically. Copy of the recent monitoring report has been appended along with this statement.

Seasonal ground water quality assessment is being carried out by MoEF&CC approved Consultant and the samples are being collected in the core and buffer zones. The results are compared with I.S. 10500 standards for drinking and the radicals analyzed as per IS: 2490 (part-1) 1981, and all the radicals are observed to be well within the limits.

Quality of Air

The air pollution monitoring network was designed to know the complex environmental scenario that exists as of now. The core and buffer zone of the mining lease area has been tested for PM10, PM2.5, SO₂ and NO₂ by the MOEFCC approved laboratory and the results are within the permissible limits. The Core zone has been installed with Air quality monitoring equipment for the assessment of PM10 and PM2.5.

Noise Levels

During operations, the major noise generating sources are from drilling & blasting and operation of HEMM equipments. Currently, there is no usage of drilling and blasting within the mining area, hence no production of heavy noise within the core and buffer zones. By engaging MoEF&CC recognized Lab, we have been conducting the studies with periodical noise measurement surveys at specific vulnerable points to ensure that noise levels are below the permissible limit of 75 dB(A) in day and 70 dB (A) in night.

Vibration Levels (due to blasting)

Currently, there is no blasting within the mining lease area, hence no generation of ground vibrations.

PART – H

Additional measures/investment proposal for environmental protection including abatement of pollution, prevention of pollution:

The Mining Lease area is barren. As part of the progressive mine closure, it is proposed to take up afforestation activities in and around the embankments of tailing dam and waste rock dump and around the broken-up area. Reclamation by way of afforestation around dumps, tailing dam embankment and a strip along the road are proposed for the next five years as per the approved Review of Mining Plan.

Precautionary measures to be taken in respect of processing plant:

1. Water will be sprinkled on stacks of ROM at the processing plant to prevent dust generation.
2. In order to reduce noise generation / absorb noise from air compressors and pumps, the machinery will be placed on vibration isolators.
3. Proper maintenance and lubrication of machinery will be carried out to reduce noise generation.
4. The workers employed are provided with protection equipment, earmuffs and ear-plugs, as a protection from the high noise level generated at the plant site wherever required.
5. The DG Set will be placed inside a closed building. Foundation of the DG set will be placed with vibration isolators.
6. Periodic medical hearing checks will be performed on workers exposed to high noise levels
7. Specific personnel training on work-site safety management will be taken up;

Mined-Out Land: No part of pit workings will be matured for back-filling during the proposed Mining plan period (2023-24 to 2027-28). The reclamation goal for this area is through plantation and the balance part of the pit shall be left as a water reservoir.

Topsoil Management: The topsoil available around the mining lease area is reddish mostly and at some places it is black. The average thickness of top soil is between 0.5 and 1.5 m. 190126 m³ of top soil will be handled in the entire open pit area and will be stacked at topsoil stock near the pit. This will be used for plantation in the waste dump and tailing dam embankment.


Tailing Dam Management: Currently, no leaching process is being carried out. Once initiated, tailing dam management will focus primarily on safety measures to prevent embankment failures and ensure environmental protection. This includes regular monitoring, maintenance of disposal systems, and water drainage arrangements. Continuous monitoring of embankments for signs of collapse or sliding is essential. To prevent soil erosion, tree saplings will be planted along the embankment slopes in a grid of 2m x 2m (2,500 plants per hectare). Any damaged or dead plants will be replaced the following year.

PART – I

Any other particulars for improving the quality of the environment.

1. We have planted around 5200 saplings for development of green belt in the Mining Lease area which covers lands belonging to Pagadrayi, Jonnagiri and Bollavanipalle villages and is being maintained.
2. Regular awareness program is given to the employees, local villagers and school children towards environment and pollution.
3. In the 2023-2024 financial year, Swachhta Pakhwada was conducted at the site and in the nearby villages. Activities included tree planting, cleanliness drives, pledge-making ceremonies, and competitions promoting sustainable practices.
4. The world environmental day, forest day & safety day are being celebrated.

Date: 30.9.2024
Place: Jonnagiri



Name: Mr. M Sai Narasimha Reddy
Designation: Mines Manager