

## MCDR INSPECTION REPORT

Sl. No.	Particulars	Details
1	Name of the Mine	GANGAMMA GANI
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	5.419 Ha
3	Mine code	41APR15109
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1095/2011
5	Name of the lessee, Address, phone, email and fax number	SADHANA MINERALS, D.No.1-195, 2 <sup>nd</sup> Floor, Pebble Towers, Honda Show Room Up-stairs, Saibaba Temple Road, Gudur Post & Mandal, Tirupati Dist, A.P Ph:08624-221264 Cell No.9849056209 Email: sadhanaminerals@gmail.com
6	Village	Chaganam
7	Taluk/Mandal	Sydapuram
8	District	SPSR Nellore
9	Pincode	52407
10	State	Andhra Pradesh
11	Post office	Sydapuram
12	Nearest police station	Sydapuram
13	Nearest Railway station	Gudur
14	Date of Grant of Mining Lease	30-08-2004
15	Date of Execution	10-02-2005
16	Date of opening of Mine	06.05.2005
17	Date of first Renewal, if applicable and its period & expiry	-NA-
18	Date of second Renewal, if applicable and its period & expiry	-NA-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	09-02-2055
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	K. Suresh Kumar Reddy, Managing Partner, D.No.1-195, 2 <sup>nd</sup> Floor, Pebble Towers, Honda Show Room Up-stairs, Saibaba Temple Road, Gudur Post & Mandal, Tirupati Dist, A.P Ph:08624-221264 Cell No.9849056209 Email: <a href="mailto:sadhanaminerals@gmail.com">sadhanaminerals@gmail.com</a>
21	Name of the Mine Agent with Address, phone, email, fax	No

	number and date of appointment	
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	P. Muni Praveen, Kalichedu Vg & Post, Sydapuram Mandal, SPSR Nellore Dist, A.P Cell: 7981911955 Email: <a href="mailto:Puttamunipraveen60@gmail.com">Puttamunipraveen60@gmail.com</a> Date of Appointment: 02-02-2023
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	P. Muni Praveen, Kalichedu Vg & Post, Sydapuram Mandal, SPSR Nellore Dist, A.P Cell: 7981911955 Email: <a href="mailto:Puttamunipraveen60@gmail.com">Puttamunipraveen60@gmail.com</a> Date of Appointment: 02-02-2023
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	-No-
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	As the mining plan has been approved by IBM letter No.4627/MS/NLR/2016 Dated.29.06.2017 for a period of 3 years from:29.06.2017 to 31.03.2020
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	As the mining plan has been approved by IBM letter No.659(514)/MC/2004/NLR Dated.11.08.2021 for a period of 4 years from:11.08.2021 to 31.03.2025
27	Mineral(s) granted in lease and proved for mining	Mica, Feldspar, Quartz & Vermiculite
28	Method of Mining(Opencast, Underground)	Underground (opencast for vermiculite)
29	Category (Fully Mechanised, Others or Manual)	Manual
30	Captive/ Non captive	Non-Captive
31	Date of inspection	13.12.2024

**Scientific Mining:** Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

## Exploration

S. No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no backlog for exploration.	No exploration was carried out during the year 2023-24	No remarks to be made.
1b	Exploration over lease area for Geological axis 1 or 2.	No exploration was carried out during the year 2023-24	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	The area under G1 level was 0.480 ha. Rest of the area of 4.939 ha., is under G3 level which needs to be explored	Nil
1e	Balance reserves as on 01.04.2024	Nil	3838 t	Nil
1f	General remarks of inspecting officer on geology, exploration etc.	There was no proposal for exploration	No exploration was carried out during the year 2023-24	Vermiculite occurs at the contact zone of the Micaceous Schist and Pegmatite.

## Development

S. No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	South –west part of Lease area	The excavation of the vermiculite is being done from the site as proposed.	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	One Bench	One Bench	Nil
2c	Stripping ratio or ore to OB ratio	1:0.84	1:1	Nil
2d	Quantity of topsoil generation in m3	No such Proposal	Nil	Nil
2e	Quantity of overburden generation in m3	600 CUM	495 CUM	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		There is one pit is existing in the lease area and Vermiculite	There is one pit is existing in the lease area and

			occurs at the contact zone of the Micaceous Schist and Pegmatite. Further, development was observed within approved limit.	Vermiculite occurs at the contact zone of the Micaceous Schist and Pegmatite. Further, development was observed within approved limit.
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## **Exploitation**

<b>S. No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual work</b>	<b>Remarks</b>
3a	Number of pits proposed for production	1(One Pit)	1 (One Pit)	Nil
3b	Quantity of ROM mineral production proposed	888 MT (ROM)	605 MT (ROM)	Nil
3c	Recovery of salable/usable mineral from ROM production	621 MT	285 MT	Nil
3d	Quantity of mineral reject generation	186 MT	85 MT	Nil
3e	Grade of mineral reject generation and threshold value declared	No proposal	Low Grade/Non-saleable	Nil
3f	Quantity of sub-grade mineral generation	No proposal	Nil	Nil
3g	Grade of sub-grade mineral generation	No proposal	Nil	Nil
3h	Manual / Mechanized method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	No proposal	Nil	Nil
3k	Provision of mining machineries in mineral benches	No proposal	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 1.5 meter	Same was noticed during the inspection	Nil

3m	Total area covered under excavation/pits	0.498 HA	0.498 HA	Nil
3n	Ore to OB ratio for the pit/mine during the year	1:0.84	1:1	Nil
3o	Total area put in use under different heads at the end of year	1.986 HA	1.986 ha	Nil
3p	Production of ROM mineral during last five-year period, as applicable	2019-20 Laps Period 2020-21 Laps Period 2021-2022 – 1575 MT 2022-2023 – 900 MT 2023-2024 – 888 MT	2019-20 Laps Period 2020-21 Laps Period 2021-2022 – 520 MT 2022-2023 – 552 MT 2023-2024 – 605MT	2021-22 to 2023-24 (3 Years)
3q	General remarks of inspecting officer on method of mining etc.		The exploitation of mineral has been done within the development plan proposed for the year.	The exploitation of mineral has been done within the development plan proposed for the year.

### **Solid Waste Management-Dumping**

<b>S. No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual work</b>	<b>Remarks</b>
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Waste Dump-4, Sub-Grade Dump-2. Mineral Reject - 1	Waste Dump-2 Mineral Reject-1	Dumping Proposals is for MOMP period (2021-22 to 2024-25)
4b	Location of topsoil, OB & mineral reject dumps	SW side & Northern side of the ML area	SW side & Northern side of the ML area	Topsoil is not generated
4c	Number of dumps within lease area and outside lease area	7 small dumps are within lease area only	7 small dumps are within lease area only	There is no waste dump for Vermiculite separately, but there is 07 small waste old dumps for minor minerals are existed in the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond Ultimate Pit limit	Beyond Ultimate Pit limit	Nil
4e	Number of active & alive dumps	7 small dumps	7 small dumps	There is no waste dump for Vermiculite separately,

				but there is 07 small waste old dumps for minor minerals are existed in the lease area.
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	Nil	Nil	No deviation.
4h	Whether Retaining wall or garland drain all along dumps are there	No proposals for the year 2023-24	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	No proposals for the year 2023-24	Nil	Nil
4j	Number of settling ponds	No proposals for the year 2023-24	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.		There is no waste dump for Vermiculite separately, but there is 07 small waste old dumps for minor minerals are existed in the lease area.	There is no waste dump for Vermiculite separately, but there is 07 small waste old dumps for minor minerals are existed in the lease area.

### Solid Waste Management-Backfilling

S. No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	There is no proposal for reclamation during the year 2023-24	No area mature for reclamation purpose during the year 2023-24	No deviation.
5b	Area under backfilling of mined out area	None	None	No area matured for reclamation purpose during the year 2023-24.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil

5d	Total area fully reclaimed & rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc		No area matured for reclamation purpose during the year 2023-24.	No area matured for reclamation purpose during the year 2023-24.

### Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2). Details should be given in the format as given in Annexure-20.	Yearly report on PMCP to be submitted.	Submitted	No deviation
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	Nil	Nil	Nil
	ii) Afforestation done (ha)	0.3 ha	0.3 ha	Nil
	iii) No. of saplings planted during the year	150 nos. of saplings	200 nos. of saplings	Nil
	iv) Cumulative no. of plants	300 nos. of saplings	350 nos. of saplings.	Nil
	v) Any other specific method of rehabilitation	Nil	Nil	Nil
	vi) Cost incurred on watch & care during the year	Not specified	Rs 6000 (as informed by the lessee)	Nil
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	Nil	Nil	Nil
	ii) Void filled by waste/tailings	Nil	Nil	Nil
	iii) Afforestation on the backfilled area	No proposals	Nil	Nil
	iv) Rehabilitation by making water reservoir	No proposals	Nil	Nil
	v) Any other specific means	Nil	Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation	Nil	Nil	Nil
	ii) Area rehabilitated (ha)	Nil	Nil	Nil
	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring	Nil	Nil	Nil

	(core zone & buffer zone)			
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations		Environmental Monitoring and plantation activities were done.	Environmental Monitoring and plantation activities were done.

### **Mineral Conservation**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual work</b>	<b>Remarks</b>
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	The same was noticed during the site inspection.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sorting & grading	Manual sorting & grading is being done.	Manual sorting & grading is being done.
7c	Different grade of mineral sorted out at mines	Vermiculite is Grade wise processing to be done in lease area	Vermiculite is being done grade wise processing in lease area	Nil
7d	Any beneficiation process at mines	There is no proposal for any beneficiation at mines	No beneficiation practice was noticed at the mines.	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues		Only manual segregation and grading have been done in respect of minor mineral. Vermiculite is directly saleable in market.	Only manual segregation and grading have been done in respect of minor mineral. Vermiculite is directly saleable in market.

### **Environment**

<b>S.N.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual work</b>	<b>Remarks</b>
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	Nil
8b	Concurrent use or storage of topsoil	No proposal	Nil	Nil
8c	Separate dumps for overburden, waste rock,	No proposal	Nil	Nil

	rejects and fines (Rule 33)			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	150 Nos.	200 Nos.	Nil
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance	Aesthetic beauty in and around the mines area is maintained.

### **Compliance of Rule 45**

S.N.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	Monthly Returns submitted up to: November-2024 and Annual Returns submitted up 2023-24.	No deviation
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer & Mines Manager = Shri P Muni Praveen and Geologist: Shri R Puneeth Abhisek	Same was confirmed during the inspection.	No deviation
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1.397 ha	1.397 ha	Nil
9d	Scrutiny of Annual return on afforestation	0.030 ha	0.030 ha.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade &	Nil	Nil	Nil

	quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore	120 t	Same was confirmed during the inspection.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price= ₹ 735.40/-	Same was confirmed during the inspection.	Nil
9i	Scrutiny of Annual return on fixed assets	Rs. 850000	Rs.850000	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Nil	Nil

Details of violations observed during current inspection and compliance position of earlier violation pointed out:					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Nil					

Date: 31.12.2024

(D.P.RAVILUMAR)  
Junior Mining Geologist

(Name of inspecting officer with designation and date)