

MCDR INSPECTION REPORT

S. N.	Particulars	Details
1	Name of the Mine	LAKSHMI TIRUMALA MINERALS(Palkur)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.647 Ha
3	Minecode	38APR11175
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/17657/2014
5	Name of the lessee, Address, phone, email and fax number	N.L. Madhusudhan Murthy
6	Village	Palkur
7	Taluk/Mandal	Banaganapalli
8	District	Nandyal
9	Pincode	518176
10	State	Andhra Pradesh
11	Post office	Palkur
12	Nearest police station	Nandivargam
13	Nearest Railway station	Betamcherla
14	Date of Grant of Mining Lease	06.03.2013
15	Date of Execution	06.03.2013
16	Date of opening of Mine	01.04.2013
17	Date of first Renewal, if applicable and its period & expiry	--
18	Date of second Renewal, if applicable and its period & expiry	--
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	---
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	N.L.Madhusudhan murthy 9440259613
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	--
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	--
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Koneti Pavan kumar
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Varda Krishna Murthy
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	20.04.2023
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	--
27	Mineral(s) granted in lease and proved for mining	
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Manual
30	Captive/ Non captive	Non captive
31	Date of inspection	22.01.2025

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.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposed during the year 2023-24.	Nil	The lessee has carried out exploration on G1 scale over entire potentially mineralised area.
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	Nil
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	No comments to offer.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserves as on 01.04.2024		The reserves as on 1.4.2024 are 101045 ton	No comments to offer
1f	General remarks of inspecting officer on geology, exploration etc.			The lessee has carried out the proposed exploration over entire potentially mineralised area.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to carry out excavation: North – East of lease area N 15:24:51.00 E 78:15:24:60	Same was observed during the inspection.	No deviation.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	It was proposed to have separate benches in topsoil and mineral	Same was observed during the inspection.	No deviation.

2c	Stripping ratio or ore to OB ratio	None	None	Nil
2d	Quantity of topsoil generation in m3	No proposal	No topsoil was generated during the year 2023-24	As no topsoil as envisaged during excavation, there was Nil generation of topsoil.
2e	Quantity of overburden generation in m3	5600 m3	9000 m3	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		The lessee is carrying the development as per the approved mining plan document	The lessee is carrying the development as per the approved mining plan document

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	02	02	No deviation.
3b	Quantity of ROM mineral production proposed	26897.5 tons	14500 tons	No comments to offer.
3c	Recovery of salable/usable mineral from ROM production	It was proposed to sell to end users the entire ROM produced.	Same was confirmed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	None	None	None
3e	Grade of mineral reject generation and threshold value declared	None	None	None
3f	Quantity of sub-grade mineral generation	None	None	None
3g	Grade of sub-grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	None
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	None	None	None
3j	Provision of drilling & blasting in mineral benches	None	None	None

3k	Provision of mining machineries in mineral benches	None	None	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 Mtr	3 Mtr	No deviation
3m	Total area covered under excavation/pits	1.85	1.50 ha	
3n	Ore to OB ratio for the pit/mine during the year	Nil	Not applicable	Nil
3o	Total area put in use under different heads at the end of year	1. OC Workings :1.85 ha 2. Used for Waste Disposal : 0.560	1.OC Workings :1.50 ha 2.Used for Waste Disposal : 0.560	Nil
3p	Production of ROM mineral during last five-year period, as applicable	2019-20 -26898 t 2020-21 -26898 t 2021-22 -26898 t 2022-23 – 26898 t	2019-20 -10650 t 2020-21 – 5935 t 2021-22 –22330 t 2022-23 –17550 t	
		2023-24 – 26898 t	2023-24- 14500 t	
3q	General remarks of inspecting officer on method of mining etc.		The measure made by the lessee in the approved document for exploitation being implemented.	No comments to offer.

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No proposal of separate dumping for topsoil or waste as there is no generation of the same.	Nil	Nil
4b	Location of topsoil, OB & mineral reject dumps	Not applicable	Nil	Nil
4c	Number of dumps within lease area and outside lease area	01(one dump)	01(one dump)	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	East & West side of the lease area	East & West side of the lease area	Nil

4e	Number of active & alive dumps	01	01	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	Not applicable	Not applicable	Nil
4j	Number of settling ponds	No proposal	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management.			One existing dump is noticed during the inspection.

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal for reclamation was proposed	No reclamation measures were taken up during the year 2023-24	No area matured for reclamation.
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	None	None	None
5d	Total area fully reclaimed & rehabilitated	None	None	None
5e	General remarks of inspecting officer on backfilling, reclamation etc		No area matured for reclamation during the year 2023-24.	No area matured for reclamation during the year 2023-24.

Progressive Mine Closure Plan

S. No.	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.	Yes	Yes	No deviation.
6b	Management of Worked / Mined out benches 1) Area available for	No proposal	Nil	Nil

	rehabilitation (ha)			
	2) Afforestation done (ha)	0.10 ha	0.10 ha	Nil
	3) No. of saplings planted during the year	50 nos. of saplings	50 nos. of saplings.	Nil
	4) Cumulative no. of plants	350 nos. of saplings	400 nos. of saplings	Nil
	5) Any other specific method of rehabilitation	No proposal	Nil	Nil
	6) Cost incurred on watch & care during the year	No proposal	Nil	Nil
6c	Compliance on reclamation and rehabilitation by backfilling	No proposal	Nil	Nil
	i) Voids available for backfilling (L X B X D)			
	ii) Void filled by waste/tailings	No proposal	Nil	Nil
	iii) Afforestation on the backfilled area	No proposal	Nil	Nil
	iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
	v) Any other specific means	No proposal	Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease			
	i) Afforestation			
	ii) Area rehabilitated (ha)	Nil	Nil	Nil
	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	same was being done.	No deviation.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	None	The lessee is implementing all the PMCP measure proposed in the approved document.	The lessee is implementing all the PMCP measure proposed in the approved document..

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The entire mineral produced is saleable to the end users.	The same was noticed during the inspection.	No deviation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	It was proposed to take up manual sizing and sorting. A manual screen has been installed to separate size wise (100-200 mesh, 200-250 mesh & + 250 mesh)	Same was noticed during inspection.	No comments to offer.
7c	Different grade of mineral sorted out at mines	Nil	Nil	Nil
7d	Any beneficiation process at mines	No beneficiation was proposed.	No beneficiation was noticed during the inspection.	No deviation.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	It was proposed to utilise the limestone for selling to end users	Same was confirmed during the inspection.	No comments to offer.

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	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	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Except for the plantation made by the lessee no other vegetation was noticed.	Same was confirmed during the inspection	No comments.
8g	Survival rate	40%	40%	
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by water sprinkling.	same was noticed during the inspection	No comments
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.	The aesthetic beauty is on a average scale.

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.	Submitted	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer : K.PAVA N KUMAR Geologist : Varda Krishna Murthy	found to be in order	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	OC workings : 1.500 Ha others : 0.56	found to be in order	Nil
9d	Scrutiny of Annual return on afforestation	50	found to be in order	Nil

9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3722 TON	found to be in order	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs.345.54	found to be in order	Nil
9i	Scrutiny of Annual return on fixed assets	Nil	found to be in order	Nil
9k	Scrutiny of Annual return on mining machineries	Tractor Water Tanker	found to be in order	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: 04.02.2025

(D.P.RAVILUMAR)
Junior Mining Geologist

(Name of inspecting officer with designation and date)