

**Indian Bureau of Mines**  
**Minerals Development and Regulation Division**  
**MCDR Inspection Report**  
**Hyderabad Regional Office.**

**Mine File MCDR- AP/KNL/LST-182/HYD**

**Mine Code: 38APR11133**

1) Name of Inspecting officer:	Sri. Varaprasada Rao Laveti
2) Designation	Junior Mining Geologist
3) Accompanying mine official with designation	Shri SVVS Ramakrishna Rao, QP.
4) Date of Inspection	08/01/2025
5) Date of Previous Inspection	01/02/2024

**Part-I: General**

S.No.	Particulars	Details
1	Name of the Mine	KAMALAPURAM (4.213 HA)
2	Total Lease Area (Ha) with breakup of non-forest and forest land	4.213 Ha
3	Mine code	38APR11133
4	IBM Registration Number under rule 45 of	IBM/23043/2020
5	Name of the lessee, Address, phone, email and fax number	Shri/M/s. Sangireddy Mahanandi Reddy, 6-71 SubbaReddy Colony, Chinna Malkapuram, Dhone, Kurnool dist, Andhra Pradesh-518222
6	Village	Kamalapuram
7	Taluka/Mandal	Dhone
8	District	Kurnool
9	Pin code	518222
10	State	Andhra Pradesh
11	Post office	Dhone
12	Nearest police station	Dhone
13	Nearest Railway station	Dhone
14	Date of Grant of Mining Lease	29.03.2008
15	Date of Execution	27.09.2008
16	Period	20 years

17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	NA
20	Name of the Mining Engineer & Geologist, Qualification and date of appointment in mine,	Sri. Vardha Krishna Murthy, Diploma in Mining Engineering, Mining Engineer
		Sri. Kiran Kumar Pasupathi, M.Sc. Geology, Geologist
21	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Fresh under rule 22 MCR1960- 28/11/2007 MP modify under 17(3) MCR 2016- 22/02/2021 Review Of Mining Plan- 16/06/2023
22	Name of the Mineral	Limestone & Dolomite
23	Method of Mining (Opencast, Underground)	Open cast
24	Category (Fully Mechanized, Others or Manual)	A Category (Others)
25	Captive/ non-captive	Non-Captive

**PART-II****Exploration:**

<b>Sl.N o.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
1a	Backlog of previous year	There was a proposal to drill 06nos. of non-core with cumulative meterage of 800m boreholes in the year 2023-24	07nos. of non-core boreholes were drilled, with a cumulative meterage of 196 meters during the year 2023–24	The drilling carried out more than proposal.
1b	Exploration over lease area for geological axis 1 or 2	As per approved Review of Mining Plan dated.16/06/2023.Are as covered under G1:2.9570 Ha. G2: 1.2560 Ha.	As per approved Modified Mining Plan dated.08/04/2024. Areas covered under G1:3.4652 Ha. G2: 0.7479 Ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal given in the approved document.	An amount of Rs. 1,05,000 was spent on drilling during the year 2023–24	As per the Annual Returns for 2023–24, the expenditure on exploration has been recorded
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	

1e	Balance reserves as on 01/04/2024	<p>Reserves/Resources of 01/12/2023 as per the approved document dated 8/04/2024 are as follows (in million tonnes):</p> <p><b>Mineable Reserves for Limestone:</b> Probable Mineral Reserve (121): 0.743MT (122):0.030MT</p> <p>Remaining Resources: 0.627MT</p> <p><b>Total: 1.401MT</b></p> <p><b>Mineable Reserves for Dolomite:</b> Probable Mineral Reserve (121): 0.295MT (122):0.0234MT</p> <p>Remaining Resources: 0.213MT</p> <p><b>Total: 0.532MT</b></p>	<p>Reserves/Resources as on 01/04/2024:</p> <p><b>Mineable Reserves for Limestone:</b> Probable Mineral Reserve (121): 0.729MT (122):0.030MT</p> <p>Remaining Resources: 0.627MT</p> <p><b>Total: 1.387MT</b></p> <p><b>Mineable Reserves for Dolomite:</b> Probable Mineral Reserve (121): 0.295MT (122):0.0234MT</p> <p>Remaining Resources: 0.213MT</p> <p><b>Total: 0.532MT</b></p>	<p>The grade of limestone is CaO: 45%, and for dolomite, it is MgO: 18%</p>
1f	General remarks of inspecting officers on geology, exploration etc.	<p>The area is composed of sedimentary deposits belonging to the Vempalli Formation, consisting primarily of limestone and dolomite. The general strike of the formation is East–West, and the dip varies from 30° to 35° towards the South. 07nos. of non-core boreholes were drilled, with a cumulative meterage of 196 meters during the year 2023–24.</p>		

<b>Development:</b>				
<b>Sl.No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
2a	Location of development w.r.t. lease area	<p>Proposed pit development:</p> <p>Pit-1 N 1699830.90 to N1699897.50 and E814896.40 to E814992.10</p> <p>Pit-2 N 1699915.30 to N1699960 and E815048.80 to E815133.80</p> <p>Pit-3 N 1699760 to N1699790 and E814985 to E815019</p>	<p>Actual development:</p> <p>Pit-1 N 1699850 to N1699906 and E814893.70 to E814992</p> <p>Pit-2 N 1699890 to N1699954 and E815010.90 to E815076.70</p> <p>Pit-3 N 1699757 to N1699797 and E814983.60 to E815019</p>	During the year 2023-24 Workings were carried out beyond the proposed limits however it was rectified in the Modified Mining Plan dated 08/04/2024. Hence no violation was pointed out
2a	Separate benches in topsoil, overburden and minerals (Rule-15)	Yes, Benches were proposed within the mineral only	Yes, Benches were made in mineral only	
2c	Stripping ratio of ore to OB ratio	In Limestone: 1:0.000 In Dolomite: 1: 0.2082	In Limestone: 1:0.000 In Dolomite: 1: 0.2082	
2d	Quantity of topsoil generation in m <sup>3</sup>	Not proposed	Nil	

2e	Quantity of overburden generation in m <sup>3</sup>	1340 cum in the year 2023-24	Nil	Overburden was not generated during the year 2023-24, as the lessee achieved only 19% of the proposed production due to the temporary discontinuation of mining operations
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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	The lessee has opened three pits—two for limestone and one for dolomite. During the year 2023-24, workings were carried out beyond the proposed limits; however, this was rectified in the Modified Mining Plan dated 08/04/2024. Hence, no violation was pointed out.		
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**Exploitation:**

Sl.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	Three pits were proposed in the year 2023-24	Production was made in Two pits	Lessee has shown entire production as limestone only
3b	Quantity of ROM mineral production proposed	72272 tonnes	13920 tonnes	Lessee achieved only 19% of the proposed production due to the temporary discontinuation of mining operations
3c	Recovery of saleable / usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	

3f	Quantity of subgrade mineral generation.	Not proposed	Nil	
3g	Grade of subgrade mineral generation.	NA	NA	
3h	Manual / Mechanized method adopted for segregating from ROM	Not proposed	NA	
3i	Any analysis or beneficiation study proposed and carried out for subgrade mineral and rejects	Not proposed	Nil	
3j	Provision of drilling and blasting in mineral benches	Yes, Deep hole Blasting	Yes, Drilling and blasting are being carried out as per the proposal.	
3k	Provision of mining machineries in mineral benches	Yes proposed.	Using excavator for mining and loading activity.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed 6.00mtr bench height.	Maintained 4.00 to 5.00 mtr bench height.	The benches are suitable to the method of mining adopted.

3m	Total area covered under excavation / pits	The area proposed for mining during the current plan period up to the year 2023–24 is 1.74 hectares	The actual excavation carried out during the current plan period up to the year 2023-24 is 13.4 hectares	Total area covered under pits up to 2023-24 is 1.34 hectares
3n	Ore to OB ratio for the pit/mine during the year.	In Limestone: 1:0.000 In Dolomite: 1: 0.2082	In Limestone: 1:0.000 In Dolomite: 1: 0.2082	
3o	Total area put in use under different heads at the end of year	Total area put in use under different heads at the end of the Plan period Area under Mining: 1.74 Ha. OB/Waste dump: 0.19 Ha. Mineral storage:0.83Ha. Infrastructure (Roads): 0.19 Ha. Others:1.25 Ha.	Total area put in use under different heads at the end of the year 2023-24: Area under Mining: 1.34 Ha. OB/Waste dump: 0.19 Ha. Mineral storage:0.83Ha. Infrastructure (Roads): 0.19 Ha. Others:1.25 Ha.	
3p	Production of ROM mineral during the last five-year period as applicable	1)2023-24 Total: 72272 tonnes <ul style="list-style-type: none"> <li>Limestone: 65,835 tonnes</li> <li>Dolomite: 6436 tonnes</li> </ul> 2)2022-23 Total: 80000 tonnes <ul style="list-style-type: none"> <li>Limestone: 50,000 tonnes</li> <li>Dolomite: 30,000 tonnes</li> </ul> 3)2021-22 Total: 80,000 tonnes <ul style="list-style-type: none"> <li>Limestone: 50,000 tonnes</li> <li>Dolomite: 30,000 tonnes</li> </ul>	1)2023-24 Total: 13920 tonnes <ul style="list-style-type: none"> <li>Limestone: 13920 tonnes</li> <li>Dolomite: Nil</li> </ul> 2)2022-23 Total: 77,919 tonnes Limestone: 52519 tonnes <ul style="list-style-type: none"> <li>Limestone: 52519 tonnes</li> <li>Dolomite: 25,400 tonnes</li> </ul> 3)2021-22 Total: 56,500 tonnes <ul style="list-style-type: none"> <li>Limestone: 56,500 tonnes</li> <li>Dolomite: Nil</li> </ul>	During the year 2023-24 Lessee achieved only 19% of the proposed production due to the temporary discontinuation of mining operations. So no violation is pointed out.

		4)2020-21 Total: 13,333 tonnes <ul style="list-style-type: none"> <li>• Limestone: 8,333 tonnes</li> <li>• Dolomite: 5,000 tonnes</li> </ul> 5)2019-20 No proposal	4)2020-21 Nil Production  5)2019-20 Nil Production	
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3q	General remarks of inspecting officers on method of mining etc.	The working has been carried out along the strike of the formation.  Total three pits were developed within the mining lease two are for limestone and another for dolomite. Bench height was maintained within the proposed limit.		
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**Solid Waste Management - Dumping:**

Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	Yes, proposed separate dumping for OB.	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Waste dump was Proposed between the co-ordinates- N 15:21:21.09 to N15:21:25.30 and E 77:55:55.00 to E 77:56:06.60	As per proposal	
4c	Number of dumps within lease area and outside of	Five	Five	Four mineral dump and one waste dump

	lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Inside the UPL.	Inside the UPL.	The lease area is very small so dumping was proposed and made within the UPL.
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether retaining wall or garland drains all along dumps are there.	Not proposed	Nil	The height of the dump was very less, so lessee has not constructed retaining wall and garland drains around the waste dump. However, lessee has advised to construct retaining wall once dump height is increased to avoid wash off.
4i	Length of retaining wall or garland drain all along dumps.	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	

4k	Specific comments of inspecting officers on waste dump management.	The height of the dump was very less, so lessee has not constructed retaining wall and garland drains around the waste dump. However, lessee has advised to construct retaining wall once dump height is increased to avoid wash off.
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**Solid Waste Management - Backfilling:**

Sl.No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling	No backfilling has been proposed during the current plan period	Nil	Mineral is not extracted up to the proved depth, so, no backfilling was proposed and made in the present plan period.
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Mineral is not extracted up to the proved depth, so, no backfilling was proposed and made in the present plan period.		

**Progressive Mine Closure Plan:**

<b>Sl. No.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26(2)	Before 1 <sup>st</sup> July of every year.	Lessee has submitted PMCP report for the year 2023-24 on 29.06.2024	Submitted PMCP report for the year 2023-24 within time limit
6b	Area available for rehabilitation (ha)	Nil	Nil	No area is available for rehabilitation.
6c	Afforestation done (ha)	0.138 Ha. area proposed for Afforestation in the year 2023-24	0.56 Ha., in the year 2023-24	Existing area in the lease under the plantation at the end of financial year is 0.6998 Ha.
6d	No. of saplings planted during the year	150 nos. of saplings proposed in the year 2023-24	100 saplings in the year 2023-24.	Survival rate is very less and lessee has advised to take care of the plantation.
6e	Cumulative no. of plants	150 in the present plan period up to 2023-24	200 plants up to the year 2023-24.	Survival rate is very less and lessee has advised to take care of the plantation.
6f	Any other method of rehabilitation	Not proposed	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (LxBxD)	Nil	Nil	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation on by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation	Nil	Nil	

	of waste land within lease (ii) Method of rehabilitation			
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed monitoring of Quality of air by periodic monitoring.	Environmental monitoring was not carried out during the year 2023-24	Lessee has advised to carryout environmental monitoring and submit the report to this office.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Plantation activity was carried out only in the year 2023-24. During the inspection, it was observed that the survival rate was very low. The lessee has been advised to improve plantation care through proper monitoring and maintenance		
<b>Mineral Conservation:</b>				
<b>Sl.N o.</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	No proposal.	Dispatching cement grade limestone.	Nil
7b	Method of grade wise mineral sorting i.e. manual or mechanical	No proposal	Nil	
7c	Different grade of mineral sorted out at mines	Cement grade limestone and dolomite	Dispatched cement grade limestone in the year 2023-24	
7d	Any beneficiation process at mines	No proposal	Nil	

7e	General remarks of inspecting officers on mineral conservation and beneficiation issues.	Lessee is dispatching entire ROM ore by blending as per the requirement of the buyer.
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**Environment:**

Sl.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil	Top soil is not generated as Workings are proposed in the already excavated localities
8b	Concurrent use or storage of topsoil	Not proposed	Nil	Top soil was not available for concurrent use
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil	
8e	Phased restoration,	Not proposed	Nil	

	reclamation and rehabilitation of land affected by mining operations (pits, dumps etc.)			
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Yes provided.	No. of plants existing in the lease area at the end of financial year is 200 nos.	As per Annual Returns of RY 2023-24
8g	Survival rate	50%	50%	
8h	Water sprinkling on roads to control airborne dust	Yes	Lessee is using hired water tanker for dust suppression	
8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.	One water tanker has been deployed for sprinkling water in the working area and along the haulage roads. The lessee is advised to take appropriate measures to ensure the survival rate of the plantation		
<b>Compliance of Rule 45 :</b>				
<b>Sl.N o.</b>	<b>Item</b>	<b>Proposals</b>	<b>Actual Work</b>	<b>Remarks</b>
9a	Status of submission of monthly and annual returns	Monthly returns shall be submitted before the 10th day of every month for the preceding month, and an annual return shall be submitted before	M.R. Submitted up to - December-2024  A.R. submitted for the F.Y:2023-24 on 29.06.2024	

		the 1st day of July of each year for the preceding financial year		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Required information was not furnished in the Annual Returns of 2023-24	Not mentioned Name of the Mining Engineer and Geologist.	Show-cause notice is issued for the same under Rule 45(7) of MCDR 2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining: 1.34 Ha. waste disposal:0.19 Ha. Infrastructure: 0.19 Ha. Others :0.83 Ha.	Area under Mining: 1.34 Ha. waste disposal:0.19 Ha. Infrastructure: 0.19 Ha. Othersa :0.83 Ha.	
9d	Scrutiny of Annual return on afforestation	100 No's	100 No's	
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	<b>ROM:</b> Opening and closing Stock for Limestone & Dolomite: - Nil, Production: - Nil <b>Graded ore for Limestone:</b> (Cement grade): - opening stock:	The details furnished in the annual return have been found to be correct	During the FY: 2023-24, Lessee has been reported ROM Production of 13920 Tonnes which is not reflected in production at Point no.2 of AR. Hence Show-cause notice is

		Limestone: 12529 T Dolomite: 18905 T Production: Limestone: 13920T Dolomite: Nil Dispatch: - Limestone: 24090 T Dolomite: 6400 T Closing stock: Limestone :2359 T Dolomite:12505T		issued for the same under Rule 45(7) of MCDR 2017.
9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost	Sale value is shown: Rs 400/T,  Ex-mine price- Rs 400/T and cost of production Rs 298/T	The details furnished in the annual return have been found to be correct	
9h	Scrutiny of Annual return on fixed assets	Zero	Value of fixed assets is shown as zero	
9k	Scrutiny of Annual return on mining machineries	Only air compressor was shown	Lessee is using hired excavator for mining and loading activity.	Since the machine is hired one, details were not shown in the AR submitted for the year 2023-24. However, lessee has advised to show the details of machinery using in the mining operation.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule No.	Issued on	Compliance position	Rule No.	Issued on	Compliance position
<b>34A(1)</b>	20/02/2025	complied	45(7)	20/02/2025	complied

Date: - 02.06.2025

(Varaprasada Rao Laveti)  
Junior Mining Geologist  
Indian Bureau of Mines