

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

Mine File MCDR- AP/KSN/LST-17/HYD

Mine Code: 38 APR10028

1) Name of Inspecting officer:	Varaprada Rao Laveti
2) Designation	Junior Mining Geologist
3) Accompanying mine official with designation	G.Maheswara Rao, Mines Manager
4) Date of Inspection	16-12-2024
5) Date of Previous Inspection	20-03-2024

Part-I: General

S.No	Particulars	Details
1	Name of the Mine	Sri Venkateswara Limestone Mine.
2	Total Lease Area (Ha) with breakup of non-forest and forest land	38.46 Ha Govt Waste Land
3	Mine code	38 APR10028
4	MCDR, 1988	6878
5	Name of the lessee, Address, phone, email and fax number	M/s. Hemadri Cements Ltd, Vedadri(V), Jaggayyapet (M), NTR -Dist, AP 08678-284538 hclmines@gmail.com
6	Village	Vedadri
7	Taluka/Mandal	Jaggayyapet
8	District	NTR
9	Pin code	521457
10	State	Andhra Pradesh
11	Post office	Vedadri
12	Nearest police station	Chillakallu
13	Nearest Railway station	Bonakallu
14	Date of Grant of Mining Lease	Primary Grant: 02-07-1976.
15	Date of Execution	Primary Grant Execution: 15-12-1976
16	Period	50 years (up to 31.03.2030)
17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri G.Ohm Prakash Hemadri Cements Limited, Vedadri (V), Jaggayyapet (M), NTR -Dist. 08678-284538 ceo@hemadricements.com

18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	J. Srinivasa Rao Hemadri Cements Limited, Vedadri (V), Jaggayyapet (M), NTR -Dist. 9052117676 planthead@hemadricements.com
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	G.Maheswara Rao Hemadri Cements Limited, Vedadri (V), Jaggayyapet (M), NTR -Dist. 9052117848 hclmines@gmail.com
20	Name of the Mining Engineer & Geologist, Qualification and date of appointment in mine,	G.Maheswara Rao B.E in Mining Engineering, Hemadri Cements Limited, Vedadri (V), Jaggayyapet (M), NTR -Dist. 9052117848 hclmines@gmail.com 03/10/2023
21	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Review of Mining Plan-02/12/2022 (2023-2024 to 2027-2028)
22	Name of the Mineral	Limestone
23	Method of Mining (Opencast,	Opencast
24	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
25	Captive/non-captive	Captive

PART-II				
Exploration:				
Sl.No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	No exploration has been proposed during 2022-23	Nil	During F.Y :2023-24, 3 DTH boreholes with 230m cumulative meterage were proposed. However, no work was done, and a violation was

				pointed out under MCDR Rule 11(2) during the inspection
1b	Exploration over lease area for geological axis 1 or 2	No proposal	Nil	Entire mineralized area has been explored under G1 level.
1c	Exploration Agencies and 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	Nil	Nil
1e	Balance reserves as on 01/04/2024	As per the approved document dated 02.12.2022, the Limestone reserves (estimated on 01/09/2022) under (111):13097500 Tonnes	due to depletion over the period of time the updated reserves of limestone under (111) as on dated 01.04.2024 are: 1,29,86,700 Tonnes	34% to 45% CaO
1f	General remarks of inspecting officers on geology, exploration etc.	The study area comes under Cuddapah super group, particularly Kurnool group. The northern portion of the study area from centre mainly consists of Nargi limestones except at northern part where a patch of Banganapalli conglomerates and quartzites is vividly observed. The southern part is mostly occupied by Cumbhum shales/phyllites.		
Development:				
Sl.No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2023-24 working proposals was shown in between the UTM Co-ordinates N1858671 to N1858837 and E408688 to E408842	Actual work has been carried out between the UTM Co-ordinates N1858746 to N1858935 and E408928.70 to E409058.70	Violation is pointed out under MCDR Rule 11(1) for Deviation in workings
2b	Separate	Yes, Maintained	Yes, Maintained	

	benches in topsoil, overburden and minerals (Rule-15)			
2c	Stripping ratio of ore to OB ratio	1:0.06	1:0.28	
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	8965.00 cu.m	25708 cu.m	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	Separate benches are maintained for overburden (OB) and limestone. The OB comprises mainly phyllites and shales of the Cumbum Formation, Cuddapah Super Group. Bench heights are within the approved limits.		

Exploitation:

Sl.No.	Item	Proposals	Actual Work	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	150000 Tonnes	1,11,000.00 Tonnes	During the year 2023-24, the production achieved was 74%, resulting in a deviation of 26%. However, no violation is being pointed out as the deviation in ROM production is not significant
3c	Recovery of saleable / usable mineral from ROM production	99%	99%	
3d	Quantity of mineral reject generation	No Proposal	NIL	
3e	Grade of	Not Applicable	NIL	

	mineral rejects generation and threshold value declared.			
3f	Quantity of subgrade mineral generation.	No Proposal	NIL	
3g	Grade of subgrade mineral generation.	Not Applicable	NIL	
3h	Manual / Mechanized method adopted for segregating from ROM	No proposal	Mechanized	Size reduction by dry crushing.
3i	Any analysis or beneficiation study proposed and carried out for subgrade mineral and rejects	Not Applicable	Not Applicable	
3j	Provision of drilling and blasting in mineral benches	Dia. Of Hole: 110 mm Spacing: 3.5 mtrs Burden: 3 mtrs Expl. Type: Slurry Aluminised Gelled Slurry Explosives (Large Diameter)	As per proposal	Drilling and blasting is being carried out as per the proposal
3k	Provision of mining machineries in mineral benches	YES	YES	Lessee is using the machineries as per the proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7M	7M	Height of benches is well within max approved height.
3m	Total area covered under excavation / pits	11.72 Ha	11.72	

3n	Ore to OB ratio for the pit/mine during the year.	1:0.149	1:0.68	
3o	Total area put in use under different heads at the end of year	13.92 Ha.	14.34 Ha.	
3p	Production of ROM mineral during the last five-year period as applicable	2019-20: 149955Tonnes 2020-21: 149729 Tonnes 2021-22: 149759 Tonnes 2022-23: 149813 Tonnes	2019-20: 124500Tonnes 2020-21: 146000 Tonnes 2021-22: 149500 Tonnes 2022-23: 149800 Tonnes	During the past five years, the mine has achieved 91% of its production target
		2023-24: 150000 Tonnes	2023-24: 111000.0Tonnes	
3q	General remarks of inspecting officers on method of mining etc.	The method of mining adopted is fully mechanized with combination of Excavator and dumpers. Lessee is doing drilling and blasting for Loosening of the strata. The bench Parameters were kept 7.00mts height and bench height is maintained within the proposed Limits and the past five years, the mine has achieved 91% of its production target.		
Solid Waste Management - Dumping:				
Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	Separate dumping is proposed for OB	OB dump was made & maintained	
4b	Location of topsoil, OB and mineral reject dumps	OB dump: N-1858374.18- 1858313.68, E-408307.60-	OB dump: N-1858374.18 - 1858313.68, E-408307.60-	OB dump was made in accordance with approved Minig plan and One subgrade

		408386.90	408386.90 and N1858701.80- N1858768and E408990.60- E409028.40	mineral stack was present within the UTM coordinates N1858701.80 to N1858768 and E408990.60 to E409028.40, without any proposal Violation is pointed out under MCDR Rule 11(1).
4c	Number of dumps within lease area and outside of lease area	Within lease area- One dump	Within lease area- One dumps	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside 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	
4i	Length of retaining wall or garland drain all along dumps.	Not Proposed	Nil	
4j	Number of settling ponds	Not Proposed	Nil	
4k	Specific comments of inspecting officers on waste dump management.	The overburden (OB) generated throughout the year was disposed of in the dumps, and garland drains were constructed and maintained along the toe of the OB dump		

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 Proposal	Nil	
5b	Area under backfilling of mined out area	No Proposal	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 has not been extracted up to the proved depth, and no area has been matured for backfilling. Therefore, no backfilling was proposed or carried out during the present plan period		
Progressive Mine Closure Plan:				
Sl. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26(2)	PMCP report to be submitted before 01st July.	For 2023 – 2024 PMCP report submitted on dated 27-06-2024	The PMCP report for the year 2023-24 was submitted within the stipulated timeframe
6b	Area available for rehabilitation (ha)	Nil	Nil	

6c	Afforestation done (ha)	0.10 Ha.	0.30 Ha.	Plantation was made in the 7.5 mtr. safety zone. Total area covered by plantation so far is about 0.87 Ha.
6d	No. of saplings planted during the year	100 nos.	300 nos.	Plantation was made more than the proposal
6e	Cumulative no. of plants	5100	2860	Total plantation made so far is 2860 covering an area of 0.87Ha.
6f	Any other method of rehabilitation	No proposal	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 Afforestation on backfilled area	Nil	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv)Rehabilitation 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 of waste land within lease (ii) Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed monitoring of Quality of air by periodic monitoring.	The lessee has carried out quarterly environmental monitoring.	The lessee has carried out quarterly environmental monitoring, and all parameters have been found to be within the permissible limits
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	During the year 2023-24, 300 saplings were planted (more than proposed) all along the 7.5-meter safety zone. The total area covered by the plantation so far is approximately 0.87 hectares.		
Mineral Conservation:				

Sl.No.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM dispatch in the form of Lumps.	Directly feeding to the crusher at cement plant	
7b	Method of gradewise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	Cement grade	Cement grade	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officers on mineral conservation and beneficiation issues.	Nil		

Environment:

Sl.No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Not Generated	
8b	Concurrent use or storage of topsoil	Not Proposed	Not Generated	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes, Maintained	Yes, Maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its	NA	NA	

	original use			
8e	Phased restoration, reclamation and rehabilitation of land affected by mining operations (pits, dumps etc.)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100	300	The total number of plants existing so far is 2,860 nos. covering an area of 0.87 hectares
8g	Survival rate	60%	75%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Yes, Maintained with the water tanker daily.	
8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.	Benches and haulage roads have been maintained systematically. One water tanker is deployed for sprinkling water in the working area and on the haulage roads. Plantation has been carried out in the 7.5-meter safety zone		

Compliance of Rule 45 :

Sl.No.	Item	Proposals	Actual Work	Remarks
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 the 1st day of July of each year for the preceding financial year	M.R. Submitted up to - November-2024 A.R. submitted for the F.Y:2023-24 on 27.06.2024	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer- Shri.G. Maheswara Rao Geologist- Shri. K.Naresh	The details of the Mining Engineer and Geologist submitted in the annual returns were verified and found to be correct	The geologist has resigned, and no new geologist has been recruited. Hence, violation was pointed out under Rule 55(1) (3)(i)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area Covering under OC workings- 11.72Ha Use of waste disposal-2.1 Ha Residential, plants, other, Roads-0.42 Ha, Other purpose Plantation-0.10Ha	Area Covering under OC workings-11.72Ha Use of waste disposal-2.1 Ha Residential, plants, other, Roads-0.42 Ha, Other purpose Plantation-0.30Ha	During the year, plantation was carried out over an area larger than the proposed one, and this has been shown in the PMCP table
9d	Scrutiny of Annual return on afforestation	The number of saplings planted is 300, with a survival rate of 80%, within the lease area	The details given on the saplings planted were found correct. And survival rate is around 75 to 80%	
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	Details as furnished in the AR 2023-24 are as follows. ROM: opening stock- Nil, Production- 111000Tonnes, Closing Stock-Nil Grade wise details- Cement grade Opening stock- Nil, Production- 111000 Tonnes Dispatch- 110800 Tonnes	The details furnished in the Annual returns were found correct.	

9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost	280 per tonne.	The details furnished in the Annual returns were found correct.	
9h	Scrutiny of Annual return on fixed assets	Rs.99050094.00	The details furnished in the Annual returns were found correct.	This information is provided as combined data in the Hemadri Limestone Mine's annual returns
9k	Scrutiny of Annual return on mining machineries	1.Backhoe (0.90) CUM-2 nos 2.Tippers-5Nos 3.169.0 CUM/MN(Air Compressor)-1nos. 4.Blast Host drill (110.0) mm-1nos. 5.Explosive van-6ton-1nos. 6.Water Tanker-12000 litre-1 nos. 7.Tractor-45 HP-1nos.	The details given in the AR are found correct	

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
11(1), 34A(1) And 55(1)(3) (i)	27/01/2025	complied	Ni	Nil	Nil

Date: - 26/03/2025

Varapasada Rao Laveti
Junior Mining Geologist
Indian Bureau of Mines