

**MCDR INSPECTION REPORT**

S. N.	Particulars	Details
1	Name of the Mine	Nandavaram Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.99 HA
3		30.09.2024
4		13.03.2023
5	Minecode	38APR11192
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/623/2011
7	Name of the lessee, Address, phone, email and fax number	Sri S.Venkatrami Reddy(9704468777)
8	Village	Nandavaram
9	Taluk/Mandal	Banganapalli
10	District	Nandyal
11	Pincode	518176
12	State	Andhra Pradesh
13	Post office	Banganapalli
14	Nearest police station	Banganapalli
15	Nearest Railway station	Bethamcherla
16	Date of Grant of Mining Lease	19.12.2017
17	Date of Execution	02.02.2018/ 01.02.2068
18	Date of opening of Mine	02.02.2018
18	Date of first Renewal, if applicable and its period & expiry	Not applicable
19	Date of second Renewal, if applicable and its period & expiry	Not applicable
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Not applicable
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Not applicable
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri K.Viswanatha Reddy(ssnreddy1971@hotmail.com)
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri K.Viswanatha Reddy, Mining Engineer(17.12.2021)
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Sri R.Srinivas Reddy(24.4.2022)
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	First Mining Plan approved on 16.12.2016.Review of Mining Plan approved on 02.03.2022 valid up to 31.03.2027.
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	No Applicable
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	A
31	Captive/ Non captive	Non-Captive

*J.A.V. JAMES H  
K. J. A. A., A. A. G.*

**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	None	None	----
1b	Exploration over lease area for Geological axis 1 or 2.	None	Entire potentially mineralized area explored under G-1 level.	---
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable	-----	----
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	-----	
1e	Balance reserves as on 01.04.20...	----	4,50,675 tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	---	Entire potentially mineralized area explored under G-1 level. A total of 10 holes were drilled earlier with a meterage of 150.	The lease falls under Narji formation of Kurnool group of rocks.

### Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to excavate from first bench & Second bench on North western part of the lease.	Same was noticed during the inspection.	None
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Two benches in mineral	Same was noticed during the inspection.	--
2c	Stripping ratio or ore to OB ratio	Nil	Nil	--
2d	Quantity of topsoil generation in m <sup>3</sup>	2160 cubic meters	1980 cubic meters	--
2e	Quantity of overburden generation in m <sup>3</sup>	As there is no overburden in the deposit. No generation of OB was planned	No OB generated during the year 2023-24.	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	---	---	The development of the mine being carried out as proposed.

**Exploitation**

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One	No deviation
3b	Quantity of ROM mineral production proposed	66193 tonnes during the year 2023-24	21000 TONNES	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	--
3d	Quantity of mineral reject generation	Nil	Nil	--
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	---
3f	Quantity of sub-grade mineral generation	Nil	Nil	---
3g	Grade of sub-grade mineral generation	Nil	Nil	---
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	--
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	None	None	----
3j	Provision of drilling & blasting in mineral benches	None	None	--
3k	Provision of mining machineries in mineral benches	Excavator and tipper for excavating and transporting the mineral.	Same was noticed during the inspection.	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	7 meters	7 meters	--
3m	Total area covered under excavation/pits	1.775 ha	1.775 ha	--
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	---
3o	Total area put in use under different heads at the end of year	1.775 ha	1.775 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20=64755 tonnes 2020-21=64,238 tonnes 2021-22=66,193 tonnes 2022-23=66,193 tonnes 2023-24=66,193 tonnes	2019-20=7,100 tonnes 2020-21=62,500 tonnes 2021-22=39,900 tonnes 2022-23=23,000 tonnes 2023-24=21,000 tonnes	
3q	General remarks of inspecting officer on method of mining etc.	---	The exploitation of the mineral being carried out by the lessee as proposed.	

### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	---
4b	Location of topsoil, OB & mineral reject dumps	The generated topsoil is being used in plantation.	Same was noticed during the inspection.	---
4c	Number of dumps within lease area and outside lease area	None	None	---
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	---
4e	Number of active & alive dumps	None	None	---
4f	Number of dead dumps	None	None	---
4g	Number of dumps stabilized	None	None	---
4h	Whether Retaining wall or garland drain all along dumps are there	None	None	--
4i	Length of Retaining wall or garland drain all along dump	None	None	---
4j	Number of settling ponds	None	None	---
4k	Specific comments of inspecting officer on waste dump management.	As there is no overburden in the deposit, no proposal for handling OB was submitted.		---

### 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	None	None	---
5b	Area under backfilling of mined out area	None	None	---
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	None	None	---
5d	Total area fully reclaimed & rehabilitated	None	None	---
5e	General remarks of inspecting officer on backfilling, reclamation etc	None	None	---

### 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.	Yes	Yes	--
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	None	None	A total of 60 plants were planted during the year 2023-24 over an extent of 0.20 ha.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	None	None	---
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	None	None	---
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	---
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	None	None	---

### Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed to produce 66,193 tonnes of limestone during the year 2023-24	Actual production reported during the year 2023-24 was 21,000 tonnes.	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	None	None	--
7c	Different grade of mineral sorted out at mines	None	None	--
7d	Any beneficiation process at mines	None	None	--
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	None	None	---

## Environment

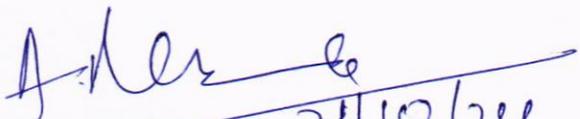
S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	It was proposed to utilize the topsoil generated for plantation	Same was noticed during the inspection.	--
8b	Concurrent use or storage of topsoil	--	---	--
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	---	--	--
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	---	---	--
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	---	---	--
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Except for the plantation made by lessee, no other vegetation was noticed.	---	--
8g	Survival rate	60%	60%	--
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	---

**Compliance of Rule 45**

S.N.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to The Monthly and annual returns are being submitted within the prescribed timelines.	--

S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2023-24, Sri K.Viswanath Reddy and Srinivas Reddy are employed as Mining Engineer and Geologist respectively.	Same was confirmed during the inspection.	--
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit - 1.770 ha	1.770 ha	--
9d	Scrutiny of Annual return on afforestation	60 samplings planted	Same was noticed during the inspection.	--
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	--
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs.500/- per tonnes	Same was confirmed during the inspection.	--
9i	Scrutiny of Annual return on fixed assets	Rs.7,96,440/-	Not verified	--
9k	Scrutiny of Annual return on mining machineries	One shovel and two tippers are used in the lease.	Same was noticed during the inspection.	--

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

  
 (Name of inspecting officer with designation and date)