

MCDR INSPECTION REPORT

S. N.	Particulars	Details
1	Name of the Inspecting officer & Designation	Sri A V Ramesh Kumar,AMG accompanied by Sri Ajmal Ahmed, GM(Mines)
2	Date of Inspection	21.10.2024
3	Date of previous inspection	14.03.2024
4	Name of the Mine	Nayanipalli Limestone Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	735.72 ha(Non forest)
6	Minecode	38APR11156
7	IBM Registration Number under rule 45 of MCDR, 1988	
8	Name of the lessee, Address, phone, email and fax number	Sri Venkatrama Raja M/s. The Ramco Cements Limited, Kolimigundla Unit, Kalvatala (V), Kolimigundla (M), Nandyal District, Andhra Pradesh – 518 123. Phone: 93901 00238 Email: ajmal@ramcocements.co.in Date of appointment 06.02.2018
9	Village	Nayanipalli
10	Taluk/Mandal	Kolimigundla
11	District	Nandyal
12	Pincode	518123
13	State	Andhra Pradesh
14	Post office	Kolimigundla
15	Nearest police station	Kolimigundla
16	Nearest Railway station	Tadipatri
17	Date of Grant of Mining Lease	15.02.2000
18	Date of Execution	09.08.2000 /08.08.2050
19	Date of opening of Mine	17.03.2023
20	Date of first Renewal, if applicable and its period & expiry	Not applicable
21	Date of second Renewal, if applicable and its period & expiry	Not applicable
22	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
23	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri. P R Venketrama Raja 5th Floor, Auras Corporate Centre, 98A Dr Radhakrishanan Salai, Mylapore, Chennai. Phone: 99942 47959 Email: vssm@ramcocements.co.in Date of appointment: 06.02.2018
24	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri. Reddy Nagaraju Kolimigundla Unit, Kalvatala (V), Kolimigundla (M), Nandyal District, Andhra Pradesh – 518

		123. Phone: 84980 96000 Email: reddynagaraju@ramcoce ments.co.in Date of appointment: 26.09.2020
25	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri. Aleti Mahipal Reddy Kolimigundla Unit, Kalvatala (V), Kolimigundla (M), Nandyal District, Andhra Pradesh – 518 123. Phone: 9701024322 Email: mahipalreddya@ramcoce ments.co.in Date of appointment: 03.07.2023
26	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri. Aleti Mahipal Reddy Kolimigundla Unit, Kalvatala (V), Kolimigundla (M), Nandyal District, Andhra Pradesh – 518 123. Phone: 9701024322 Email: mahipalreddya@ramcoce ments.co.in Date of appointment: 03.07.2023
27	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri. Sri. GSS Naidu Adabala Kolimigundla Unit, Kalvatala (V), Kolimigundla (M), Nandyal District, Andhra Pradesh – 518 123. Phone: 9908020247 Email: agssn@ramcocements.co.i n Date of appointment: 01.08.2023
28	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	1 st Mining Plan approved on 29.11.1999 1 st MMP approved on 02.07.2021 2 nd MMP approved on 18.01.2023
29	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
30	Mineral(s) granted in lease and proved for mining	Limestone
31	Method of Mining(Open cast, Underground)	Open cast
32	Category (Fully Mechanised, Others or Manual)	A
33	Captive/ Non captive	Captive

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.	A total of 213 boreholes were drilled with a grid pattern of 200 x 200 meters. Total meterage of 4321 meters.
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...	----	23.872 Million tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	---	Entire potentially mineralized area explored under G-1 level.	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	Pit-1 187967.00- 188439.00 1670423.00- 1669946.00 Pit-2 187619.00- 187862.00 1670284.00- 1670027.00	Same was noticed during the inspection.	None
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Single bench in two pits was proposed	Same was noticed during the inspection.	--
2c	Stripping ratio or ore to OB ratio	Nil	Nil	--
2d	Quantity of topsoil generation in m3	61200	12649	--
2e	Quantity of overburden generation in m3	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	2.70 million tonnes was proposed for the year 2023-24.	70,022 tonnes was achieved.	
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	HEMM with deep hole drilling & blasting	Same was noticed during the inspection.	--
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	8 meters	6 meters	---
3m	Total area covered under excavation/pits	27.08 ha	5.399 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	46.19 ha	21.926 ha	
3p	Production of ROM mineral during last five-year period, as applicable	2022-23 – 2.7 million tonnes 2023-24 – 2.7 million tonnes	2022-23 – 18,424 tonnes 2023-24 – 70,022 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.	The achieved production was less than the proposed was due to less market demand as informed by lessee.

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Generated topsoil to be utilized for safety bund formation and afforestation	Same was noticed during the inspection	---
4b	Location of topsoil, OB & mineral reject dumps	Nil	Nil	---
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	No proposal for reclamation was made as no area matured for reclamation	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	Area available for rehabilitation (ha)	-	-	-
6c	Afforestation done (ha)	1.00	6.551	-
6d	No. of saplings planted during the year	1500	36000	-
6e	Cumulative no. of plants	6000	41500	-
6f	Any other specific method of rehabilitation	-	-	-
6g	Cost incurred on watch & care during the year	-	Rs. 57,60,000/-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L X B X D).	-	-	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings.	-	-	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area.	-	-	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir.	-	-	-
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	-	-	-
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	-	-	-
6n	Compliance of Rehabilitation of waste land within lease	-	-	-

	(ii) Area rehabilitated (ha) Method of rehabilitation			
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	-	-	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Quarterly monitoring of the environmental parameters being done regularly by the lessee. All the parameters are within the permissible limits.		
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	--	---	The lessee is implementing all the measures as proposed in PMCP.

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposed to produce 2.7 million tonnes during the year 2023-24	Actual production reported during the year 2023-24 was 70,022 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	Sri Mahipal Reddy and Sri G.S.S Naidu were appointed 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.	Pits – 5.39 ha	Same was noticed during the inspection.	--
9d	Scrutiny of Annual return on afforestation	36,000	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.293/- per tonnes	Same was confirmed during the inspection.	--
9i	Scrutiny of Annual return on fixed assets	Thirty six crore rupees was reported	Not verified	--
9k	Scrutiny of Annual return on mining machineries	Shovel-1,tipper-2,water tanker-1,wagon drill -1	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)

A. A. S. S.
20/4/2014