

INDIAN BUREAU OF MINES MINERAL DEVELOPMENT AND REGULATION DIVISION MCDR INSPECTION REPORT Chennai Regional Office		
Mine file No.DAN/LST-29.MDS		Mine code - 38TMN33014
(i)	Name of the inspecting officer & Designation	KUMERESH A Senior Assistant Controller of Mines
(ii)	Accompanied mine official and designation	Shri. M.M.Ramesh, DGM (Mines) Shri. V.Sasikumar, Sr.Manager (Geology)
(iii)	Date of inspection	18.12.2024
(iv)	Date of previous inspection	29.11.2022
PART-I: General Information		
1.	Mine Name	Alambadi and Karikali, Seethainagar Limestone Mine GO (3D)
(b)	Registration Number	IBM/170/2011
(c)	Category	A
(d)	Type of Working	Opencast
(e)	Postal Address State District Village Taluka Post Office Pin Code FAX No. E-mail Phone	Shri.Mohan Muthukaruppan Chettinad Cement Corpn. Private Ltd., Meyyammai Building ,17/35, Gandhi Nagar, 2nd Main Road, Adyar,Chennai - 600 020. Phone – 044-28292727, 42149955 Date of Appointment – 01.04.2022
(f)	Police Station	Guziliamparai
(g)	First opening date	27.03.2003
(h)	Weekly day of rest	Sunday
2.	Address for correspondence	Shri.Mohan Muthukaruppan Chettinad Cement Corpn. Private Ltd., Meyyammai Building ,17/35, Gandhi Nagar, 2nd Main Road, Adyar,Chennai - 600 020. Phone – 044-28292727, 42149955 Date of Appointment – 01.04.2022
3.	Lease Number	TMN0851
	Lease Area	2.41.5 Hect. (Non Forest area)
	Period of lease	50 years
	Date of expiry	27.01.2053

4.	Mineral worked	Limestone
5.	Name and address of the	
	Lessee:	Chettinad Cement Corpn. Private Ltd., Meyyammai Building , 17/35, Gandhi Nagar, 2nd Main Road, Adyar, Chennai - 600 020.
	Owner:	Shri.Mohan Muthukaruppan Chettinad Cement Corpn. Private Ltd., Meyyammai Building ,17/35, Gandhi Nagar, 2nd Main Road, Adyar,Chennai - 600 020. Phone – 044-28292727, 42149955 Date of Appointment – 01.04.2022
	Agent:	Shri.V.Krishnan, Agent (Mines) &Joint President (Works-Unit Head) Chettinad Cement Corpn Private Ltd, Karikkali Post, Dindigul district-624703, Phone-9788858216. Email-krishnan.v@chettinadcement.com Date of Appointment - 06.10.2020
	Manager:	Shri.M.M.Ramesh Manager (Mines), Chettinad Cement Corpn. Private Ltd., CCC Quarry, Guziliamparai (via), Guziliamparai (T.K), Dindigul – 624 703. Phone- 04551-220720. Email-ramesh.mm@chettinadcement.com. Date of Appointment – 31.03.2023.
	Engineer:	Shri. M.M.Ramesh, Mining Engineer, Chettinad Cement Corpn. Private Ltd., CCC Quarry, Guziliamparai (via), Guziliamparai (T.K), Dindigul – 624 703. Phone- 04551-220720. Email-ramesh.mm@chettinadcement.com. Date of Appointment – 05.04.2024
	Geologist:	Shri.M.Anandharaja Geologist Chettinad Cement Corpn. Private Ltd., CCC Quarry, Guziliamparai (via) Guziliamparai (T.K), Dindigul – 624 703 Phone- 04551-220720 Email-anandharaja@chettinadcement.com.

		Date of Appointment – 05.04.2024
6	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 MCR 1960: 21.08.1990 Modified approved Mining Scheme:03.06.2010 Mining Scheme Rule 12 under MCDR 1988:15.05.2014 MP review under 17(1) MCR 2016: 14.11.2018 New ROMP : TN/DGL/LST/ROMP-1732.MDS, Dated:22.12.2023 (Period :2024-25 to 2028-29)
	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five – year period and specific condition in approval letter, if any.	

PART-II : OBSERVATION / COMMENTS OF INSPECTING OFFICER
EXPLORATION

S. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	Nil	Nil	The area is fully explored
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	The area is fully explored under G1 category
1c	Exploration Agency & 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 (111 Category)	0.224 M.T (111)		Nil
1f	General comments of inspecting officer on geology, exploration etc.	-	-	-

DEVELOPMENT

S. No.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	Nil	Nil	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 13 of MCDR-2017)	No.of Benches in Ore – 1 Bench	No.of Benches in Ore – 1 Bench	Followed as per Review of Mining plan
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.	-	-	

EXPLOITATION

S. No.	Item	Proposals	Actual Work	Remarks
3a	Number of Pit proposed for production	1	1	As per plan

3b	Quantity of ROM mineral production proposed	4992 Ts	4924.30 Ts	Within limit
3c	Recovery of salable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	-	-	-
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanised	Mechanised	As per plan
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Drilling: Drill Depth-9m Subgrade Drill-0.5m Drill hole dia – 115mm Blasting: Spacing-3.5m, Burden-2.5m, Explosives – Slurry Detonator -Nonel	Drilling: Drill Depth-9m Sub grade Drill-0.5m Drill hole dia – 115mm Blasting: Spacing-3.5m, Burden-2.5m, Explosives – Slurry Detonator -Nonel	Nil
3k	Provision of mining machineries in mineral benches	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	As per plan
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in RoMP	Height-9 mtr, Width-9 mtr	Height-9 mtr, Width-9 mtr	Followed as per plan.
3m	Total area covered under excavation/pits	1.50.0 Hect	Nil	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	Nil
3o	Total area put in use under different heads at the end of year	2.41.5 Hect	Nil	

3p	Production of ROM mineral during the last five-year period as applicable	2019-20-5000Ts 2020-21-4976Ts 2021-22-5000 Ts 2022-23-4970Ts 2023-24-4992 Ts	2019-20-5000Ts 2020-21-4950Ts 2021-22-5000Ts 2022-23-4367 Ts 2023-24-4924.30 Ts	Within Limit Followed as per plan Within limit -
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Nil

SOLID WASTE MANAGEMENT-DUMPING

S. No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 36,37)	Nil	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	--	--	--

SOLID WASTE MANAGEMENT-BACKFILLING

S. No.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No Backfilling proposed	Not Applicable	Nil
5b	Area under backfilling of mined out area	Nil	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Nil	Nil	Nil

5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc	--	--	--

PROGRESSIVE MINE CLOSURE PLAN

S. No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 26 (2)	Yes	Submitted on 17.06.2024	Nil
6b	Area available for rehabilitation (ha).	Nil	Nil	Nil
6c	Afforestation done (ha).	Nil	0.20Ha (Gap filling plantation)	No proposal during the year 2023-24, However planted 70 plants over 0.20 Ha
6d	No. of saplings planted during the year	Nil	70	Nil
6e	Cumulative no. of plants	-	530	Nil
6f	Any other method of rehabilitation	NA	NA	Nil
6g	Cost incurred on watch and care during the year	Rs.25,000/-	Rs.30,000/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D)	Nil	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation backfilled area	NA	NA	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NA	NA	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	NA	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Done as per proposal	Periodically Monitored
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	--	PMCP Compliance & progressive closure operations were found satisfactory.

MINERAL CONSERVATION

S. No.	Item	Proposals	Actual Work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Nil
7b	Method of grade wise mineral sorting i.e. manual or mechanical.	Nil	Nil	Nil
7c	Different grade of mineral sorted out at mines.	NA	NA	Nil
7d	Any beneficiation process at mines	NA	NA	Nil
7e	General remarks of inspecting officer on Mineral Conservation & beneficiation issues	-	-	-

ENVIRONMENT

S. No.	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No topsoil available
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	Nil	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	70 Nos	Nil

8g	Survival rate	-	80%	Nil
8h	Water sprinkling on roads to control airborne dust	Yes	Water sprinkling is done	As per plan
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	--	--	Nil

COMPLIANCE UNDER RULE-45

S.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Returns Submitted upto Date 03.12.2024. Annual Returns submitted Date 17.06.2024		Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri.M.M.Ramesh Manager (Mines), Mr.M.Anandharaja – Geologist Mr. M.M.Ramesh – Mining Engineer	Shri.M.M.Ramesh Manager (Mines), Mr. M.Anandharaja – Geologist Mr. M.M.Ramesh – Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits- 1.50 Ha Area under Plant buildings, roads and green belt- 0.915 Ha	Area under pits- 1.50 Ha Area under Plant buildings, roads and green belt- 0.915 Ha	
9d	Scrutiny of Annual return on afforestation	70 Nos	70 Nos	
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.360.50	Rs.360.50	
9h	Scrutiny of Annual return on fixed assets	Rs. 8,33,743	Rs. 8,33,743	
9i	Scrutiny of Annual return on mining machineries	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	Shovel-1 (1.2 Cu.M) Tipper-1 (9.5 Cu.M)	

Details of violations observed during current inspection and compliance position of violations pointed out					
Violation observed			Show cause position		
Rule No.	Issued on	Compliance on	Rule No.	Issued on	Compliance on

Date:

KUMERESH A
SrAsst Controller of Mines
Indian Bureau of Mines

