

MCDR INSPECTION REPORT

S. NO.	Particulars	Details
1	Name of the Mine	Pedagarlapadu Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total :377.68Ha, Forest :0 & Non Forest: 377.68ha
3	Minecode	38APR07069
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/170/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Chettinad Cement Corporation Pvt Ltd, Phone:9121022601 Mail:brahmaiahsrirameni@chettinadcement.com
6	Village	Pedagarlapadu & Kesanapalli
7	Taluk/Mandal	Dachepalli
8	District	Palnadu
9	Pincode	522437
10	State	Andhra Pradesh
11	Post office	Pedagarlapadu
12	Nearest police station	Dachepalli
13	Nearest Railway station	Nadikudi
14	Date of Grant of Mining Lease	08/07/2016
15	Date of Execution	24/08/2016
16	Date of opening of Mine	27/03/2019
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mohan muthukaruppan 4th floor, Chettinad Towers, 603, Annasali, Chennai. Tamilnadu. Pin: 600006 Phone: 044-42149955 MailId: spm.mohan11@gmail.com DOA: 04/04/2022
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri. Seetharmulu Ch PedagarlapaduLimestone Mine, Chettinad Cement Corporation Pvt Ltd., Pedagarlapadu, Dachepalli Mandal, Guntur Dist. A.P – 522 437 Mail Id : seetharamulu.ch@chettinadcement.com DOA : 04/06/2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sri. S Brahmaiah First Class Mines Manager (Restricted) Pedagarlapadu Limestone Mine Chettinad Cement Corporation Pvt Ltd., Pedagarlapadu, Dachepalli Mandal, Guntur Dist. A.P – 522 437 Mail Id: brahmaiahsriramaneni@chettinadcement.com DOA: 27/03/2019
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sri. Ch Naresh Kumar Pedagarlapadu Limestone Mine Pedagarlapadu, Dachepalli Mandal, Guntur Dist. A.P – 522 437 Qualification – BE (Mining) Years of Experience – 13 years DOA: 12/05/2020
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 &	Sri. TV Rama Rao Pedagarlapadu Limestone Mine

	carrying out their duties as per rule 43 & 44.	Pedagarlpadu, Dacheppalli Mandal, Guntur Dist. A.P – 522 437 DOA: 27/03/2019
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining Plan F.No: AP/GNR/MP/LST-73/HYD, Dt: 10.11.2020.(2021-22 To 2025-26)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Approved of Modified Mining Plan F.No: AP/NLG/MP/LST-48/HYD, Dt: 27.12.2023.(2023-24 To 2025-26)
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/ Non captive	Captive
31	Date of inspection	12.12.2024

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 2023-24	Actual work FY 2023-24	Remarks
1a	Backlog of previous year	No exploration was proposed during the year 2023-24.	None	No comments
1b	Exploration over lease area for Geological axis 1 or 2.	Under G1 Category: 377.68Ha	Under G1 Category: 377.68 Ha	Entire mineralised area has been explored under G1 level
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No exploration was proposed during the year 2023-24.	Entire mineralised area has been explored under G1 level.	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	Total Reserves Under (111): 441.17Million Tonnes Under (211): 366.33MillionTonnes	Under (111): 441.49 Million Tonnes Under (211): 366.33MillionTonnes	Proved Reserves as on 31.03.2023: 444.63Million tones, Achieved Prod FY2023-24 : 3.14Million Tonnes
1f	General remarks of inspecting officer on geology, exploration etc.		The lessee has carried out exploration over entire potentially mineralised area under G1 scale.	The lessee has complied with the provisions of MCDR,2017 pertaining to drilling/exploration. The Limestone deposit of the Mining lease falls under the Palnadu basin which is equivalent of Narji formation of Kurnool basin.

Development

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	Remarks
2a	Location of development w.r.t. lease area	N- 1828280 To 1829097 E-365365 To 365984	Development carried out between the grid location as proposed.	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil is the only overburden which is of avg thickness of 1m. Separate top soil bench will be maintained.	As it was very thin Layer of top soil is prevailing and preserving of the same separately for Plantation Purpose.	Nil
2c	Stripping ratio or ore to OB ratio	Nil	Nil	No OB available
2d	Quantity of topsoil generation in m3	31258 Cu.M	30319 Cu.M	Nil
2e	Quantity of overburden generation in m3	NIL	NIL	No OB available
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.		Development is carried out by opencast mining method as proposed.	Development is carried out by opencast mining method as proposed.

Exploitation

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	Remarks
3a	Number of pits proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	3430010 MT	3137000 MT	Production less due to poor demand from plant and in the market
3c	Recovery of salable/usable mineral from ROM production	It was proposed to use the entire ROM for the cement plant.	Same was noticed during the inspection.	No deviation.
3d	Quantity of mineral reject generation	Not applicable as no mineral reject is envisaged to be generated	Not applicable as no mineral reject is envisaged to be generated	No comments.
3e	Grade of mineral reject generation and threshold value declared	No proposal	Nil	Nil
3f	Quantity of sub-grade mineral generation	No proposal	Nil	Nil
3g	Grade of sub-grade mineral generation	Not applicable	Nil	Nil
3h	Manual / Mechanised	Not applicable	Nil	Total ROM is

	method adopted for segregating from ROM			being dispatched to Crusher
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No proposal.	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	115mm, 68600mts Spacing (5mtrs) X Burden (4Mtrs) X7.5 X2.5 (BD)	same was noticed during the inspection.	No deviation
3k	Provision of mining machineries in mineral benches	Excavators-2.6 cum, Rock breaker, Wagon Drill Tippers -18 Cu.m capacity Explosive Van Water Tanker	same was noticed during the inspection.	No deviation
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain a height of 1m in top soil, 9.0 m in mineral bench	same was noticed during the inspection	No deviation
3m	Total area covered under excavation/pits	31.76 Ha	30.39Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	No OB available
3o	Total area put in use under different heads at the end of year	Pit : 31.76Ha, Roads : 4.84Ha, Infrastructure: 1.09 Top Soil : 2.21Ha Others- 10.56Ha Total : 50.46Ha	Pit : 30.39Ha, Roads :4.76Ha, Infrastructure: 1.09 Top Soil : 2.09Ha Others-6.78Ha Total :46.71Ha	Nil
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 50,00,000 2020-21: 50,00,000 2021-22: 28,00,850 2022-23: 31,01,000 2023-24: 34,30,010	2019-20: 1,00,000 2020-21: 9,23,000 2021-22: 16,77,000 2022-23: 21,71,000 2023-24: 3137000	Mine opened on 27.3.2019; Then 2years are under development stage, production less due to poor demand from plant and market.
3q	General remarks of inspecting officer on method of mining etc.		production is carried out from one pit by opencast mining method as proposed.	production is carried out from one pit by opencast mining method as proposed.

Solid Waste Management-Dumping

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Only top soil is available	Top soil only available	Nil
4b	Location of topsoil, OB &	The top soil	Top Soil So far	Top soil utilized for

	mineral reject dumps	produced will be utilised along safety zone and for afforestation	utilized all along the safety zone of ML boundary at BP 66 to BP 68.	green belt development
4c	Number of dumps within lease area and outside lease area	No dump is proposed	NA	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Nil	Nil
4e	Number of active & alive dumps	None	Nil	Nil
4f	Number of dead dumps	None	Nil	Nil
4g	Number of dumps stabilized	None	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	No proposals	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	Not applicable	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.		No dumps are there within or outside the mining lease as on date of inspection.	No dumps are there within or outside the mining lease as on date of inspection.

Solid Waste Management-Backfilling

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No back filling is proposed as no waste will be generated. The mined out pit will be used as water reservoir	No back filling is proposed as no waste will be generated	No deviation.
5b	Area under backfilling of mined out area	No Proposal.	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal.	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal.	Nil	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc		No area matured for reclamation purpose during the year 2023-24.	No area matured for reclamation purpose during the year 2023-24.

Progressive Mine Closure Plan

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	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.	PMCP report to submitted before 1 st July	Submitted.	No deviation.
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	No proposal	Nil	Nil
	ii) Afforestation done (ha)	No proposal	Nil	Nil
	iii) No. of saplings planted during the year	No proposal	Nil	Nil
	iv) Cumulative no. of plants			
	v) Any other specific method of rehabilitation	No proposal	Nil	Nil
	vi) Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No proposal	Nil	Nil
	ii) Void filled by	No proposal	Nil	Nil
	waste/tailings iii) Afforestation on the backfilled area	No proposal	Nil	Nil
	iv) Rehabilitation by making water reservoir			
	v) Any other specific means	No proposal	Nil	Nil
6d	Compliance of Rehabilitation of waste land within lease	No waste lands are available in the mining lease area	NA	
	i) Afforestation	No proposal	Nil	Nil
	ii) Area rehabilitated (ha)	No proposal	Nil	Nil
	iii) Method of rehabilitation	Not applicable	Nil	Nil

6e	Compliance of Environmental monitoring (core zone & buffer zone)	It was proposed to carry out quarterly monitoring of the environmental parameters.	Regular quarterly monitoring of environmental parameters being carried out and the all the parameters are within permissible limits	No deviation.
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations		The lessee is implementing all the proposals as made in the approved document related to Progressive Mine closure.	No deviation

Mineral Conservation

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	It was proposed that entire mineral produced would be utilised in the cement plant of the lessee.	Same was noticed during the inspection	No deviation noticed.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	There is no proposal for grade-wise sorting.	No such grade wise sorting was noticed.	No deviation noticed.
7c	Different grade of mineral sorted out at mines	Not applicable	Not applicable	Nil
7d	Any beneficiation process at mines	There is no proposal for any beneficiation at mines.	No beneficiation practice was noticed at the mines.	No deviation noticed.
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There was no proposal for grade wise sorting or any other type of beneficiation at mines.	No such activities noticed during the inspection.	No deviation noticed

Environment

S.N.	Item	Proposals FY 2023-24	Actual work FY 2023-24	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	The top soil proposed to be handled is 31258 Cu.M	Top soil handled and utilized qty 30319 Cu.M	Nil
8b	Concurrent use or storage of topsoil	The top soil produced will be utilised for bund formation along safety zone and for afforestation	The top soil handled and utilized for bund formation & afforestation all along the	Nil

			Eastside of ML Boundary	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal as other than top soil no waste or overburden is proposed to be generated.	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal as other than top soil no waste or overburden is proposed to be generated	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Area= 1.05 Ha Plants=2000 nos	Area= 1.08 Ha Plants= 3795 nos	
8g	Survival rate	70 % TO 80 %	90%	
8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by way of water sprinkling.	Same was noticed during the inspection.	No deviation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Lessee is implementing all the measures related to maintaining environmental balance.	Aesthetic beauty in and around the mines area is maintained.

Compliance of Rule 45

S.N.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns are to be submitted as per rule 45 of MCDR, 2017.	Submitted in time.	No deviation.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager- S.Brahmaiah Geologist- T V Ramarao Mining Engg- Ch.NareshKumar	Same was confirmed during the inspection.	No deviation
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 30.39Ha Roads, buildings and others- 12.63Ha	found to be in order.	Nil
9d	Scrutiny of Annual return on afforestation	3795nos	found to be in order.	Nil
9e	Scrutiny of Annual return on mineral reject	Nil	Nil	Nil

	generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM closing stock is Nil	Nil	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Rs.205.34	found to be in order.	Nil
9i	Scrutiny of Annual return on fixed assets	Rs.281221840	Rs.281221840	No comments to offer
9k	Scrutiny of Annual return on mining machineries	Tipper=12 nos. BackHoe=04nos Rock drill=02 nos. Water tanker= 01 no. Explosive van= 01 no. Pumps=01 no.	Same were confirmed during the inspection.	No comments to offer.

Details of violations observed during current inspection and compliance position of earlier violation pointed out:					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Nil					

Date: 30.12.2024

(D.P.RAVILUMAR)
Junior Mining Geologist

(Name of inspecting officer with designation and date)