

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

FMCP Inspection REPORT

Chennai regional office

Mine file No : TN/ALR/LST-14.Mds

Mine code : 38TMN38032

- (i) Name of the Inspecting : **M017**) **Matiul Islam**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. S. Ramesh (GM - Mines), Mr.S.Srinivasan (Geologis
Official with
Designation
- (iv) Date of Inspection : 08/03/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PUDUPALAYAM & EDAYATHANGU**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : ARIYALUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 044-42988659(f)
E-mail : krishnakumar.ra@chettinadce
Phone : 044-42988652(o)
- (f) Police Station :
- (g) First opening date : 29/10/2003
- (h) Weekly day of rest : SUN
2. Address for : 6TH FLOOR,RANISEETHAI HALL BULDING,
correspondance NO:603,ANNA SALAI,
CHENNAI-600 006.
3. (a) Lease Number : TMN1050
- (b) Lease area : 4.33
- (c) Period of lease : 20
- (d) Date of Expiry : 10/02/2030
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : CHETTINAD CEMENT CORPORATION LIMITED
 4TH FLOOR, RANI SEETHAI
 HALL BLDG 603, ANNA SALAI
 CHENNAI CITY TAMIL NADU
 Phone:044-28292727, 42149955
 FAX :044 - 28291558

Owner : CHETTINAD CEMENT CORPORATION LI MITED
 ARIYALUR TRICHY ROAD
 KEELAPALURVUR POST ARIYALUR
 TALUK, PERAMBALUR DISTRICT
 PERAMBALUR TAMIL NADU
 Phone:
 FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	23/04/2012
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	27/11/2013
	:	MP review under 17(1) MCR 2016	14/12/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	G1	7 Core Boreholes with a total meterage of 120 m drilled in year 2021-22	6 Core Boreholes with a total meterage of 110 m were drilled in the year 2013-14
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Rs 1,80,000/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Nil
1e	Balance reserve as on 01/04/20	0.070 Million Tonnes	0.070 Million Tonnes	As per last approved ROMP.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Mine inoperational since 20.01.2017 for want of EC. FMCP with revised reserve estimate on account of new exploratory boreholes drilled in 2021-22 under process.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N - 1244035 - N 1244065 E - 297825 - E - 297855	Nil	Mine inoperational since 20.01.2017 for want of EC.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top 1st Bench in Topsoil, 1st , 2 nd and 3rd Limestone bench	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0	Nil	-do-
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	-	-	Mine inoperational since 20.01.2017 for want of EC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	Nil	Mine inoperational since 20.01.2017 for want of EC.
3b	Quantity of ROM mineral production proposed	5,016 Tonnes	Nil	-do-
3c	Recovery of sailable/usable mineral from ROM production	5,016 Ts	Nil	-do-
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	NA	NA	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	Nil
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	Non-conventional mining without drilling & blasting proposed	Nil	Nil
3k	Provision of mining machineries in mineral benches	Type of Machinery Capacity of each unit No.of Units Rock breaker 150tns/Hr 2 Hydraulic excavator 2.2 m3 2 Tipper 20 MT 6	Nil	Mine inoperational since 20.01.2017 for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4 m bench height proposed	Nil	-do-
3m	Total area covered under excavation/pits	2.21 Ha	2.21 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0	Nil	Mine inoperational since 20.01.2017 for want of EC.
3o	Total area put in use under different heads at the end of year	4.950 Ha	4.950 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 25600 Ts 2019-20- 20000 Ts 2020-21- 10000 Ts 2021-22- 5016 Ts 2022-23- 5004 Ts	2018-19 - Nil 2019-20 - Nil 2020-21- Nil 2021-22- Nil 2022-23- Nil	Mine inoperational since 20.01.2017 for want of EC.
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine inoperational since 20.01.2017 for want of EC.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No Topsoil, OB or Mineral Reject generation envisaged during the plan period	OB Nil	Mine inoperational since 20.01.2017 for want of EC.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil- N-1244975to N-1245020 E-282230 to E-282390	Top Soil- N-1244975to E-282230 to	N-1245020 E-282390 Nil
4c	Number of dumps within lease area and outside of lease area	Within ML : 1 Outside ML: Nil	Within ML : 1 Outside ML: Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Nil
4e	Number of active and alive dumps.	1	Nil	Mine inoperational since 20.01.2017 for want of EC.
4f	Number of dead dumps.	Nil	1	-do-
4g	Number of dumps established.	Nil	Nil	-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	-do-
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	-do-
4j	Number of settling ponds	Nil	Nil	-do-
4k	Specific comments of inspecting officer on waste dump management	-	-	Mine inoperational since 20.01.2017 for want of EC.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal during plan period	Nil	0.94 Ha backfilled during last plan period. Mine inoperational since 20.01.2017 for want of EC.
5b	Area under backfilling of mined out area	Nil	Nil	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil generation envisaged during plan period	Nil	-do-
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	-do-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Mine inoperational since 20.01.2017 for want of EC.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Nil	Nil	Mine inoperational since 20.01.2017 for want of EC.
6b	Area available for rehabilitation (ha) .	Nil	Nil	-do-
6c	afforestation done (ha).	0.20 Ha	Nil	-do-
6d	No. of saplings planted during the year	500 nos	Nil	-do-
6e	Cumulative no .of plants	-	2,245 nos saplings planted since inception	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-

6g	Cost incurred on watch and care during the year	Nil	Nil	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	-do-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	-do-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	-do-

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	-do-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	-do-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mine inoperational since 20.01.2017 for want of EC.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No sorting proposed	Nil	Mine inoperational since 20.01.2017 for want of EC.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	-do-
7c	Different grade of mineral sorted out at mines.	NA	NA	-do-
7d	Any beneficiation process at mines .	Nil	Nil	-do-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Mine inoperational since 20.01.2017 for want of EC.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal envisaged during plan period	Nil	Mine inoperational since 20.01.2017 for want of EC.
8b	Concurrent use or storage of topsoil	Nil	Nil	-do-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB/Waste/Rejects/Fines removal envisaged	Nil	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	-do-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	-do-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	2,245 nos saplings planted cumulatively since inception	-do-
8g	Survival rate	80%	Nil	-do-
8h	Water sprinkling on roads to control airborne dust	Proposed	Nil	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	Mine inoperational since 20.01.2017 for want of EC.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Given	Submitted in time	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager Mr.P.Alagukannan Mining Engineer in charge Mr.P.Alagukannan Geologist in charge Mr.M.L.Balashanmugam	Given in Part I, Sl 7-9	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited & abandoned by opencast (O/C) mining 0.000 (ii) Covered under current (O/C) Workings 3.150 (including 0.94 Ha backfilled area) (iii) Reclaimed/Rehabilitated 0.000 (iv) Used for waste disposal 0.800 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.100 (vi) Other Purpose 0.000 (vii) Work done under progressive mine closure plan during the year 0.000	Given in Part I, Sl 12	Nil

9d	Scrutiny of Annual return on afforestation	4.4 (i) Number of trees planted during the year (a) Within lease area 0 (b) Outside lease area 0 (ii) Species 0 (iii) Survival rate in percentage 0.00	Given in Part V, Sl 4. Mining Operations during the year	Mine inoperational since 20.01.2017 for want of EC.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	4.2 Opencast 4.2 (B) (ii) Mineral Rejects generated with grades (tonnes) a. Quantity 0 b. Grade 0	Given in Part V, Sl 4.2 Mineral Rejects	-do-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 0.000 0.000	Given in Part VI, Sl 1	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Given in Part VI, Sl 2 & Part VII	-do-
9h	Scrutiny of Annual return on fixed assets	Net Total Closing Balance - Rs 42,00,000/-	Given in Part II A (Capital Structure)	-do-

9k	Scrutiny of Annual return on mining machineries	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) BACK HOE 0.000 CUM 0 Non Electrical Opencast	Given in Part V, Sl 5	-do-
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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(Matiul Islam)

Indian Bureau of Mines