

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

FMCP Inspection REPORT

Chennai regional office

Mine file No : TN/PBR/LST-43/MDS

Mine code : 38TMN24042

- (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 : 07/03/2023
- (v) Prev.inspection date : 05/10/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMINABAD(4.945HA)**
- (b) **Registration NO.** : **IBM/170/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : PERAMBALUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 603,ANNA SALAI CHENNAI-6000
E-mail : RANISEETHAI HALL BUILDING :
Phone : 04329-247770
- (f) Police Station : ARIYALUR
- (g) First opening date : 11/12/2003
- (h) Weekly day of rest : SUN
2. Address for : RANISEETHAI HALL BUILDING IV&V FLOORSV
correspondance : 603,ANNA SALAI CHENNAI-6000 006.
3. (a) Lease Number : TMN0898
- (b) Lease area : 4.95
- (c) Period of lease : 30
- (d) Date of Expiry : 28/10/2033
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 : SP.ST.PALANIAPPAN , MD
 RANISEETHAI HALL ANNASALAI
 CHENNAI CITY TAMIL NADU
 Phone: 044- 28292727
 FAX : 04428291558

Agent : K. KASIRAJAN
 603, Anna Salai, Chettinad
 cements Corp Ltd CHENNAI
 CITY TAMIL NADU
 Phone: 9788858200, 04329-247726
 FAX : 04329-247726

Mining Engineer

Name : SHRI KARTHIKEYAN,Full Time
 Qualification : B TECH
 Appointment/ : 26/04/2012
 Termination date

Geologist

Name : N BALAKANAN,Full Time
 Qualification : M.SE GEOLOGY
 Appointment/ : 26/03/2011
 Termination date

Manager

Name : Mr. B. Vikram Pyus
 Qualification :
 Appointment/ : 26/04/2016
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	10/09/2003
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	05/01/2009
	:	Mining Scheme rule 12 MCDR1988	23/04/2013
	:	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	Mine inoperational since 10/01/2017 for want of EC.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	7 Boreholes drilled in 2011-12 for a total meterage of 106 mts at a grid interval of 50mx50m upto a max depth of 40 mRL
1c	Exploration Agencies and 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 reserve as on 01/04/20	0.042 Million Tonnes (Grade > 34% CaO)	0.042 Million Tonnes (Grade > 34% CaO)	As per approved ROMP.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	Mine inoperational since 10/01/2017 for want of EC. FMCP under processing.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N - 1232100 - N 1232150 E - 294560 - E - 294600	Nil	Mine inoperational since 10/01/2017 for want of EC.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top 1st Bench in Topsoil, 2nd and 3rd Limestone	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 10/01/2017 for want of EC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	Nil	Mine inoperational since 10/01/2017 for want of EC.
3b	Quantity of ROM mineral production proposed	500 T	Nil	-do-
3c	Recovery of sailable/usable mineral from ROM production	500 T	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-conventionl mining proposed without the use of drilling & blasting	Nil	Nil
3k	Provision of mining machineries in mineral benches	Type of Machinery Capacity of each unit No.of Units Rock breaker 80tns/Hr 2 Hydraulic excavator 2.2 m3 2 Tipper 20T 6	Nil	Mine inoperational since 10/01/2017 for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed Bench Height - 4 m	Nil	-do-
3m	Total area covered under excavation/pits	4.095 Ha	4.095 Ha	-do-
3n	Ore to OB ratio for the pit/mine during the year.	1:0	Nil	-do-
3o	Total area put in use under different heads at the end of year	4.945 Ha	4.945 Ha	-do-
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 30000 Ts 2019-20- 5000 Ts 2020-21- 1000 Ts 2021-22- 1000 Ts 2022-23- 1000 Ts	2018-19 - Nil 2019-20 - Nil 2020-21- Nil 2021-22- Nil 2022-23- Nil	-do-
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine inoperational since 10/01/2017 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/Rejects proposed to be generated during the year	Nil	Mine inoperational since 10/01/2017 for want of EC.
4b	Location of topsoil, OB and mineral reject dumps	Top Soil- N-1231960 to N-1232200 E-294420 to E-294560	Top Soil- N-1231960 to E-294420 to	N-1232200 E-294560 No OB or Rejects dump
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.	Nil	Nil	Nil
4f	Number of dead dumps.	1	1	Topsoil dump
4g	Number of dumps established.	1	1	Stabilised by afforestation
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	Mine inoperational since 10/01/2017 for want of EC.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Nil	Mine inoperational since 10/01/2017 for want of EC.
5b	Area under backfilling of mined out area	NA	NA	-do-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil removal or concurrent use proposed	Nil	-do-
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	-do-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Mine inoperational since 10/01/2017 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 10/01/2017 for want of EC.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	-do-
6c	afforestation done (ha).	Not specified	Nil	-do-
6d	No. of saplings planted during the year	50 nos	Nil	-do-
6e	Cumulative no .of plants	150 nos saplings proposed since the start of the current plan period till 2021-22	No plantation carried out during current plan period. 2000 nos saplings planted since inception till temoporary discontinuance.	-do-

6f	Any other method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	Nil	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	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	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	Nil	Mine inoperational since 10/01/2017 for want of EC.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mine inoperational since 10/01/2017 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 10/01/2017 for want of EC.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	Nil
7c	Different grade of mineral sorted out at mines.	NA	NA	Nil
7d	Any beneficiation process at mines .	Nil	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	Mine inoperational since 10/01/2017 for want of EC.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal or utilisation proposed	Nil	Mine inoperational since 10/01/2017 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 generation envisaged	Nil	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal for the year	Nil	-do-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	2,000 nos saplings planted 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 10/01/2017 for want of EC.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

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 Shri. K.Karthigeyan Mining Engineer in charge Shri.K.Karthigeyan Geologist in charge Shri.Balakanna n	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 area, dumps etc. 0.000 4.945 4.945 (ii) Covered under current (O/C) Workings 0.000 4.400 4.400 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 0.500 0.500 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.400 0.400 (vi) Other Purpose () 0.000 0.000 0.000 (vii) Work done under progressive mine closure plan during the year 0.000 0.000 0.000	Given in Part V, 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, Sec 4.4	Mine inoperational since 10/01/2017 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, Sec 4.2	Nil
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	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Given in Part VI, Sl 1 & Part VII	Mine inoperational since 10/01/2017 for want of EC.
9h	Scrutiny of Annual return on fixed assets	Net Total Closing Balance - Rs 26,00,000/-	Given in Part II A Capital Structure	Nil

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 no 5	Nil
----	--	---	--------------------------	-----

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