

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

FMCP Inspection REPORT

Chennai regional office

Mine file No : TN/ALR/LST-2.MDS

Mine code : 38TMN38013

- (i) Name of the Inspecting : **M017**) **Matiul Islam**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. R.Ravikumar (DGM - Mines), Mr.S.Srinivasan (Geolo
Official with
Designation
- (iv) Date of Inspection : 05/08/2023
- (v) Prev.inspection date : 05/10/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMINABAD 2.255**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : ARIYALUR
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail :
Phone :
- (f) Police Station :
- (g) First opening date : 20/02/2009
- (h) Weekly day of rest :
2. Address for : ARIYALUR-TRICHY ROAD
correspondance KEELAPALAVUR POST
ARIYALUR TK. & DT.
3. (a) Lease Number : TMN1565
(b) Lease area : 2.26
(c) Period of lease : 20
(d) Date of Expiry : 19/02/2029
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/s CHETTINAD CEMENT CORPN. LTD
 4TH FLOOR, RANI SEETHAI
 HALL BUILDING 603, ANNA
 SALAI CHENNAI CITY TAMIL
 NADU
 Phone:044 - 8272727
 FAX :044 - 8241416

Owner : C. SUDHAKAR
 RANI SEETHAI HALL BLDG 603,
 ANNA SALAI CHENNAI CHENNAI
 CITY TAMIL NADU
 Phone: 044 - 8272727
 FAX : 044 - 8241416

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 : VIKRAM PYUS
 Qualification : B TECH WITH FIRST CLASS
 Appointment/ : 26/04/2012
 Termination date

6. Date of approval of Mining	:	Modif.of approved Mining Plan	10/05/2012
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	16/05/2014
	:	MP review under 17(1) MCR 2016	29/06/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 boreholes proposed for the year 2021-22	No exploration could be carried out during the plan period as the mine is inoperational since 21.01.2017 for want of EC and the lease is fully inundated.	Mine inoperational since 21.01.2017 for want of EC. Lessee has submitted an FMCP which is under process.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Lease fully explored upto G1 level with 7 exploratory boreholes drilled having a total meterage of 106 meters.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	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	0.106 Million Tonnes	0.106 Million Tonnes	No mining carried out during plan period for want of EC.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The lease has remained inoperational since 21.01.2017 for want of EC. The lessee has submitted an FMCP under Rule 24 of MCDR, 2017, that is currently being processed.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N-1232217- N-1232266 E-294642- E-294709	Nil	Mine inoperational since 21.01.2017 for want of EC.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil or OB removal envisaged for the plan period.	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:00	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	-	-	No development was carried out in the lease during the plan period as the mine is inoperational since 21.07.2017 for want of EC.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	Single	Nil	Mine inoperational since 21.01.2017 for want of EC
3b	Quantity of ROM mineral production proposed	50,400 tonnes	Nil	-do-
3c	Recovery of sailable/usable mineral from ROM production	100%	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	Nil	Nil	Non-conventional mining without drilling & blasting proposed.
3k	Provision of mining machineries in mineral benches	Rock breaker 120 TPH 1 Hydraulic excavator 0.9 m3 1 Tipper 20T 5	Nil	Mine inoperational since 21.01.2017
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Max Bench Height - 7m Avg Bench Widht - 7m	Max Bench Height - 7m Avg Bench Widht - 7m	Nil
3m	Total area covered under excavation/pits	1.540 Ha	1.540 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:00	Nil	Mine inoperational since 21.01.2017
3o	Total area put in use under different heads at the end of year	2.255 Ha	2.255 Ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2019-20- - 2020-21- 2021-22- 2022-23- 50400 Ts	2018-19 - Nil 2019-20 - Nil - 2020-21- Nil - 2021-22- Nil 2022-23- Nil	Mine inoperational since 21.01.2017
3q	General remarks of inspecting officers on method of mining etc.	-	-	The mine was not operated during the entire plan period 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 Rejects generation envisaged for the plan period	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	Nil
4c	Number of dumps within lease area and outside of lease area	1 (Within Lease)	1 (Within Lease)	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	Nil
4g	Number of dumps established.	1	1	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	Nil
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	Nil
4j	Number of settling ponds	NA	NA	Nil
4k	Specific comments of inspecting officer on waste dump management	-	-	No waste generation or dumping envisaged or carried out during the plan period.

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 backfilling proposed	Nil	Nil
5b	Area under backfilling of mined out area	NA	NA	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No topsoil available	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No backfilling or reclamation proposed or carried out during plan period.

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).	Yes	Submitted along with AR	Nil
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.15 Ha	Nil	Mine inoperational since 21.01.2017
6d	No. of saplings planted during the year	300 nos	Nil	-do-
6e	Cumulative no .of plants	600 nos (during plan period)	655 nos (since inception)	-do-
6f	Any other method of rehabilitation	Nil	Nil	Nil

6g	Cost incurred on watch and care during the year	Not specified	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	NA	NA	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on 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.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	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)	Yes	Nil	Mine inoperational since 21.01.2017 for want of EC
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	No progressive closure operations were carried out as the lease is inoperational since 21.01.2017 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	Nil
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	-	-	Entire ROM was proposed to be consumed. However, the lease remained inoperational throughout the plan period 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 envisaged during the plan period	Nil	Nil
8b	Concurrent use or storage of topsoil	NA	NA	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No OB, Waste Rock, Rejects or Fines generation envisaged during the plan period	Nil	Nil
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)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	600 nos cumulative plantation proposed during plan period till 2022-23.	655 nos saplings planted since inception of mine	Mine inoperational since 21.01.2017 for want of EC.
8g	Survival rate	Not specified	Nil	-do-
8h	Water sprinkling on roads to control airborne dust	Yes	Nil	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	The mine has been inoperational since 21.01.2017 for want of EC and no activiites have been carried out ever since.

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	Not given	No Engineer, Geologist or Manager appointed as the mine is inoperational since 21.01.2017 for want of EC.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit area-1.54 Ha Waste disposal-0.178 Ha Green Belt-0.537 Ha	Given in Part I, Sl 12.	Nil
9d	Scrutiny of Annual return on afforestation	No afforesatation carried out	Given in Part V, Sl 5	Mine inoperational since 21.01.2017 for want of EC.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Given in Part V, Sl 4.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	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 2 & Part VII	Nil
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets : Rs 25,00,000/-	Given in Part II A Capital Structure	Nil
9k	Scrutiny of Annual return on mining machineries	Nil	Given in Part V, Sl 6	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