

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

FMCP Inspection REPORT

Chennai regional office

Mine file No : TN/PBR/LST&MARL-16.MDS

Mine code : 38TMN24068

- (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 : 06/03/2023
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AZUR(4.925HA)**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : PERAMBALUR
Village : AZUR
Taluka : KUNNAM
Post office : AZUR
Pin Code : 621717
FAX No. :
E-mail :
Phone :
- (f) Police Station : KUNNAM
- (g) First opening date : 02/07/2013
- (h) Weekly day of rest : SUN
2. Address for : CHETTINAD CEMENT CORPORATION LTD
correspondance RANI SEETHAI HALL BUILDINGS
603 ANNA SALAI,CHENNAI-600 006
3. (a) Lease Number : TMN1621
- (b) Lease area : 4.92
- (c) Period of lease : 50
- (d) Date of Expiry : 01/07/2063
4. Mineral worked : MARL Associated
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 : M/S CHETTINADU CEMENTS CORP.LTD.
 603, ANNA SALAI CHENNAI
 CHENNAI CITY TAMIL NADU
 Phone:
 FAX :

6. Date of approval of Mining	:	MP modif under 17(3) MCR 2016	11/11/2016
Plan/Scheme of Mining	:	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	6 Core boreholes drilled with a total meterage of 90 m	To re-estimate the reserves & resources
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Rs 1,35,000/-	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	0.383 Million Tonnes	0.383 Million Tonnes	As per last approved ROMP. FMCP with revised Reserve Estimate on account of new exploratory boreholes drilled in 2021-22 under process.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The mine is inoperational since 26/07/2015 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 - 1244750 - N 1244965 E - 282205 - E - 282415	Nil	Mine is inoperational since 26/07/2015 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	-do-
2e	Quantity of overburden generation in m3	Nil	Nil	-do-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	Mine is inoperational since 26/07/2015 for want of EC.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit proposed	Nil	Mine is inoperational since 26/07/2015 for want of EC.
3b	Quantity of ROM mineral production proposed	20,000 Ts	Nil	-do-
3c	Recovery of sailable/usable mineral from ROM production	20,000 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	Mechanised	Nil	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 proposed without drilling and blasting
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 1.2 m3 2 Tipper 25 MT 12	Nil	Mine is inoperational since 26/07/2015 for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m bench height proposed	Nil	-do-
3m	Total area covered under excavation/pits	2.60 Ha	2.60 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	4.925 Ha	4.925 Ha	-do-
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 150048 Ts 2019-20- 125000 Ts 2020-21- 50000 Ts 2021-22- 20000 Ts	2018-19 - Nil 2019-20 - Nil 2020-21- Nil 2021-22- Nil	-do-
3q	General remarks of inspecting officers on method of mining etc.	-	-	Mine is inoperational since 26/07/2015 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)	1 Dump proposed	1 Dump maintained	Mine is inoperational since 26/07/2015 for want of EC.
4b	Location of topsoil, OB and mineral reject dumps	N-1244975to N-1245020 E-282230 to E-282390	N-1244975to E-282230 to N-1245020 E-282390	-do-
4c	Number of dumps within lease area and outside of lease area	Within ML : 1 Outside ML: Nil	Within ML : 1 Outside ML: Nil	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	-do-
4e	Number of active and alive dumps.	1	Nil	-do-
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.	Nil	Nil	-do-
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	-do-
4j	Number of settling ponds	Nil	Nil	-do-
4k	Specific comments of inspecting officer on waste dump management	-	-	Mine is inoperational since 26/07/2015 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 is inoperational since 26/07/2015 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)	Nil	Nil	-do-
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	-do-
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	Mine is inoperational since 26/07/2015 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 is inoperational since 26/07/2015 for want of EC.
6b	Area available for rehabilitation (ha) .	Nil	Nil	-do-
6c	afforestation done (ha).	0.40 Ha	Nil	-do-
6d	No. of saplings planted during the year	1700 nos	Nil	-do-
6e	Cumulative no .of plants	-	2,000 nos	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-
6g	Cost incurred on watch and care during the year	Rs 1,00,000/-	Rs 1,00,000/-	-do-

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)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodic monitoring proposed	Nil	Mine is inoperational since 26/07/2015 for want of EC.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Mine is inoperational since 26/07/2015 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	-	-	Mine is inoperational since 26/07/2015 for want of EC.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil removal proposed during the year	Nil	Nil

8b	Concurrent use or storage of topsoil	NA	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	One dump proposed	One dump maintained	Nil
8d	Use of overburden, waste rock, rejects and fines dumps 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)	-	2,000 nos of saplings planted cumulatively.	Nil
8g	Survival rate	80%	Nil	Mine is inoperational since 26/07/2015 for want of EC.
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 is inoperational since 26/07/2015 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.G.Balamurugan Mining Engineer in charge Mr.G.Balamurugan Geologist in charge N.Balakannan	Given in Part I, Sl no 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 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 2.600 2.600 (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 0.200 0.200 (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 I, Sl no 12	Nil
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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 4.1	Mine not operational since 26/07/2015 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	Mine not operational since 26/07/2015 for want of EC.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	-do-
9h	Scrutiny of Annual return on fixed assets	Net Closing Balance - Rs 42,00,000/-	Given in Part II A Capital Structure	Nil
9k	Scrutiny of Annual return on mining machineries	BACK HOE 0.000 CUM 0 Non Electrical Opencast	Given in Part V, Sl 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