

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

**MCDR INSPECTION REPORT**

**Chennai regional office**

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

**Mine code :** 38TMN24068

- (i) Name of the Inspecting : **T003** ) **S.THIRUNAVUKKARASU**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri.MARIYAPERNTATES GM Mines  
Official with  
Designation
- (iv) Date of Inspection : 07/11/2017
- (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 correspondance** : CHETTINAD CEMENT CORPORATION LTD  
RANI SEETHAI HALL BUILDINGS  
603 ANNA SALAI,CHENNAI-600 006
3. (a) **Lease Number** : TMN1621
- (b) **Lease area** : 4.92
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 13/08/2033
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

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	--	3.83 Lakhs Tons (111)-	
1f	General remarks of inspecting officers on geology, exploration etc	--	geology, exploration found satisfactory	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Western side of the area	Western side of the area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	
2c	Stripping ratio or ore to OB ratio	1:0.00	1:0.00	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	

2f General remarks - - development of pit os  
of inspecting found satisfactory  
officers on  
development of  
pit w.r.t. type  
of deposit etc

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	150000 Ts	NIL	
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral rejects generation and threshold value declared.	<35 CaO	<35 CaO	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	

3k	Provision of mining machineries in mineral benches			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6M		Maintaining average 6 mtr bench height
3m	Total area covered under excavation/pits	2.00.0 Hect	2.00.0 Hect	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.00	1:0.00	
3o	Total area put in use under different heads at the end of year	Nil	Nil	
3p	Production of ROM mineral during the last five year period as applicable	2013-14 100000 2014-15 100000 2015-16 25000 2016-17 150000	2013-14 99988 2014-15 99981 2015-16 26222 2016-17 Nil	
3q	General remarks of inspecting officers on method of mining etc.	--		method of mining found satisfactory

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soil & OB dump prosoded	Top soil & OB dumped separately along the northern side	
4c	Number of dumps within lease area and outside of lease area	1	1	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	

4g	Number of dumps established.	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	--	waste dump management isfound satisfactory

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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.	Nil	Nil	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	--	backfilling, reclamation is satisfactory	

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Periodically Submitted	Periodically Submitted
6c	afforestation done (ha).	Nil	Nil
6d	No. of saplings planted during the year	Nil	Nil
6e	Cumulative no .of plants	Nil	Nil
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	100000	84000
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodically Monitored	Periodically Monitored
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	--	PMCP compliance & progressive closure operations

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	Nil	
7c	Different grade of mineral sorted out at mines.	Nil	Nil	
7d	Any beneficiation process at mines	Nil	Nil	



7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Mineral conservation & beneficiation issues is satisfactory
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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Existence: 500 For the year: 100	Existence: 750 For the year: 250	
8g	Survival rate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling proposed on haul road.	Water sprinkling proposed on haul road.	

8i General remarks -- aesthetic beauty in and  
of inspecting around mines area is  
officer on satisfactory  
aesthetic beauty  
in and around  
mines area

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Details GIVEN in A.R.	Details GIVEN in A.R.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per filed Annual Return	As per filed Annual Return	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per filed Annual Return	As per filed Annual Return	
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.236.00	Rs.236.00	
9h	Scrutiny of Annual return on fixed assets	--	Rs.60,00,000 Lakhs	
9k	Scrutiny of Annual return on mining machineries	As proposed	As per the proposal	

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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 :**

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines