

**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 : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. BALASHANMUGAM-DGM
Official with
Designation
- (iv) Date of Inspection : 05-OCT-18
- (v) Prev.inspection date :

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-DEC-03
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : RANISEETHAI HALL BUILDING IV&V FLOORSV
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-OCT-33
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-APR-12
 Termination date

Geologist

Name : N BALAKANAN,Full Time
 Qualification : M.SE GEOLOGY
 Appointment/ : 26-MAR-11
 Termination date

Manager

Name : Mr. B. Vikram Pyus
 Qualification :
 Appointment/ : 26-APR-16
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	10-SEP-03
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	05-JAN-09
	:	Mining Scheme rule 12 MCDR1988	23-APR-13
	:	MP review under 17(1) MCR 2016	14-DEC-17

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	G1	NIL
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	.40 LAKHS TONNES	.40 LAKHS TONNES	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	WESTERN SIDE OF THE LEASE	WESTERN SIDE OF THE LEASE	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	NO OTHER SIDE BENCH IS NOT MADE AS PER PLAN	VIOLATION ISSUED
2c	Stripping ratio or ore to OB ratio	1:0	NIL	NIL
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	-	-	VIOLATION ISSUED FOR HIGH BENCHES.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	NIL
3b	Quantity of ROM mineral production proposed	50000 MT	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	NIL	NIL	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MACHENICAL	NIL, NO WORK	NIL
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	NIL
3k	Provision of mining machineries in mineral benches	YES	NIL	NIL

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	NOT MAINTAINED AS PER PLAN	VIOLETION ISSUED.
3m	Total area covered under excavation/pits	40.095 HA	4.095 HA	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0	NIL	NIL
3o	Total area put in use under different heads at the end of year	MINING=3.85 HA PREPHERIAL BOUNDARY=0.15 HA ROADS=0.05 HA MISC=0.04HA	MINING=3.85 HA PREPHERIAL BOUNDARY=0.15 HA ROADS=0.05 HA MISC=0.04HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	2013-14=120000 2014-15=50000 2015-16=50000 2016-17=50000 2017-18=50000	2013-14=100980 2014-15=52414.52 2015-16=137542 2016-17=48483 2017-18=NIL	NOTICE OF TEMP. DISCONTINUANCE GIVEN.
3q	General remarks of inspecting officers on method of mining etc.	-	-	VIOLETION ISSUED REGARDING BENCH HEIGHT IN NORTHERN SIDE OF THE PIT.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	LOCATED IN WESTERN ML APPLIED AREA	TOPSOIL DUMPED SEPERATELY DURING INITIAL PERIOD OF MINING IN THE SW DIRECTION OF THE ML.	NIL
4b	Location of topsoil, OB and mineral reject dumps	LOCATED INSIDE WEST OF ML	LOCATED INSIDE WEST OF ML	NIL
4c	Number of dumps within lease area and outside of lease area	1	1	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.	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	ONE	ONE	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	NIL

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.	NA	NA	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)	NIL	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	NIL

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	NO WORK	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.034	0.034 HA	NIL
6d	No. of saplings planted during the year	50	200	NIL
6e	Cumulative no .of plants	50	200	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	25000	100000	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	YES	WATER RESERVOIR IS FORMED	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NO	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NO	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)	YES	MONITORED PERIODICALLY	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

Mineral Conservation:

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

7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	NIL

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	NIL, TOPSOIL REMOVED DURING THE INITIAL PERIOD.
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	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)	200	200	NIL
8g	Survival rate	90%	70%	NIL

8h	Water sprinkling on roads to control airborne dust	NIL	NIL	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NIL	NIL	PLANTATION ALL ALOND THE BOUNDARY OF THE LEASE .

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	NIL RETURN	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL RETURN SUBMITTED	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL RETURN SUBMITTED	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL RETURN SUBMITTED	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL RETURN SUBMITTED	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	NIL

9k	Scrutiny of Annual return on mining machineries	NIL	NIL RETURN SUBMITTED	NIL
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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	
MCDR17	Rule 11(1)	10-OCT-18	13-FEB-19	MCDR17	Rule 11(1)	10-OCT-18	13-FEB-19

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines