

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

MCDR INSPECTION REPORT

Chennai regional office

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

Mine code : 38TMN24042

- (i) Name of the Inspecting : **N005**) **ANUPAM NANDI**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S.VAITHIANATHAN, GEOLOGIST.
Official with
Designation
- (iv) Date of Inspection : 22/04/2015
- (v) Prev.inspection date : 25/08/2011

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

Manager

Name : Mr. B. Vikram Pyus

Qualification :

Appointment/ : 01/04/2008

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

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	NIL	NIL	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	2.11 Lakh tonnes		
1f	General remarks of inspecting officers on geology, exploration etc	Mining carriedout as per proposal.	Mining carriedout as per proposal.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NIL.	NIL.	NIL.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL.	NIL.	NIL.
2c	Stripping ratio or ore to OB ratio	NIL.	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	The production carried out in the only existing pit.	No development carried out and limestone benches worked.	NIL.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	50000	52476.78Ts	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	SiO2 above 30%	SiO2 above 30%	
3f	Quantity of sub grade mineral generation.	NA	NA	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	NA	NA	

3k	Provision of mining machineries in mineral benches	Available	Available
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m to 6m	4m to 6m
3m	Total area covered under excavation/pits	4.095 Ha	4.095 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0
3o	Total area put in use under different heads at the end of year	4.095	4.095 Ha
3p	Production of ROM mineral during the last five year period as applicable	2010-11: 35000, 2011-12 : 225000, 2012-13 : 350000, 2013-14 : 120000, 2014-15: 50000	2010-11: 31686, 2011-12 : 228787, 2012-13 : 359854, 2013-14 : 100990, 2014-15: 52416
3q	General remarks of inspecting officers on method of mining etc.	proposal was adequate.	Mining carried out as per proposals.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	NA	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Within the lease along the Western and northern lease 50 Mtrs safety barrier	
4c	Number of dumps within lease area and outside of lease area	Nil	With the lease are is one	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Along the periphery
4e	Number of active and alive dumps.	Nil	One
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	Nil	Stablished
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Garland drain along the west side
4i	Length of Retaining wall or garland drain all along dumps	Nil	280 Mtrs
4j	Number of settling ponds	Nil	Na
4k	Specific comments of inspecting officer on waste dump management	The T.S dumping is partly utilized for plantation.	Tha T.S dumping does not have any problem of wash offs.

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.	The proposals given are realistic.	Plantations along the TS dump and other areas inside the safety barriers have been made.
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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).	Enclosed	Enclosed	
6b	Area available for rehabilitation (ha) .	No	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable	Back filling will be started by IIIrd Year onwards.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly	Being done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposals adequate were	Complied	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Proposed as mined
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	NA
7c	Different grade of mineral sorted out at mines.	Nil	
7d	Any beneficiation process at mines	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The mineralization is almost uniform.	Requirement of occasional removal of scanty ore manually in association with waste.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL.	Top soil is being used for afforestation.	
8b	Concurrent use or storage of topsoil	NIL.	For afforestation along the dump side and periphery.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL.	Existing OB dump on the western side of within the lease.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No back filling proposals.	Mined out pit will be converted as water reservoir.	

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)	50 trees/year	Around 120 plantation along the dump.
8g	Survival rate	90%	90%
8h	Water sprinkling on roads to control airborne dust	By using water tankers.	Being practised.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Area is dry and barren.	Some greenary have been developed by mine management.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R submitted upto March 2015 A.R submitted upto 2013-14.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The information given in the AR.		The information was found representative.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The land use furnished in appropriate column/table.		The land use furnished in appropriate column/table.

9d	Scrutiny of Annual return on afforestation	The information was furnished in appropriate column/table.	The information was found correct.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL.	No reject generation.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information submitted.	Information was found correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value ,Ex Mine price & production cost etc. have been furnished.	Information was found correct.
9h	Scrutiny of Annual return on fixed assets	Details of fixed assets were given in respective table.	Information was found correct.
9k	Scrutiny of Annual return on mining machineries	The details of mining machineries were submitted.	Information was found correct.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(ANUPAM NANDI)

Indian Bureau of Mines