

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

MCDR INSPECTION REPORT

Chennai regional office

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

Mine code : 38TMN38013

- (i) Name of the Inspecting : **N005**) **ANUPAM NANDI**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : **S. VAITHINATHAN, GEOLOGIST**
Official with
Designation
- (iv) Date of Inspection : 23/04/2015
- (v) Prev.inspection date :

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 : **2.25**
- (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

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 10/05/2012
Mining Scheme rule 12 MCDR1988 16/05/2014

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	1.00 Lakh Tons	NIL	NIL
1f	General remarks of inspecting officers on geology, exploration etc	Mining carried out as per proposal.	Mining carried out as per proposal.	Nil

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	NIL
3b	Quantity of ROM mineral production proposed	30000 Ts	29850 Ts	NIL
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	NIL
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	SiO ₂ above 30%	SiO ₂ above 30%	NIL
3f	Quantity of sub grade mineral generation.	NA	NA	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.	NA	NA	NIL
3j	Provision of drilling and blasting in mineral benches	NA	NA	NIL

3k	Provision of mining machineries in mineral benches	Available	Available	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	4m to 6m	4m to 6m	NIL
3m	Total area covered under excavation/pits	2.180 Ha	2.180 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1: 0	1: 0	NIL
3o	Total area put in use under different heads at the end of year	2.155 Ha	2.155 Ha	NIL
3p	Production of ROM mineral during the last five year period as applicable	2010-11: 100000 2011-12: 100000 2012-13: 200000 2013-14: 200000 2014-15: 30000	2010-11: 326430 2011-12: 210107 2012-13: 69692 2013-14: 99119 2014-15: 29850	NIL
3q	General remarks of inspecting officers on method of mining etc.	Proposal was adequate.	Mining carried out as per proposal.	

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	NIL
4b	Location of topsoil, OB and mineral reject dumps	NIL	Within the lease along the Western and northern lease 50 Mtrs safety barrier	NIL

4c	Number of dumps within lease area and outside of lease area	NIL	With the lease are is one	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	Along the periphery	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	Stablished	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	Garland drain along the west side	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	280 Mtr	NIL
4j	Number of settling ponds	NIL	NA	NIL
4k	Specific comments of inspecting officer on waste dump management	The T.S dumping is partly utilized for plantation.	The 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	NIL
5b	Area under backfilling of mined out area	NIL	NIL	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.	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).	Proposal adequate	Annual Report submitted.	NIL
6b	Area available for rehabilitation (ha) .	No Mined out pits	NA	NIL
6c	afforestation done (ha).	NIL	NIL	NIL
6d	No. of saplings planted during the year	NIL	`NIL	NIL
6e	Cumulative no .of plants	NIL	NIL	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NIL	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NIL	NIL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NI	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	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)	Quarterly	Being done	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Proposals were	Complied. adequate.	NIL

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	production as mined.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Nil	N.A	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	The mineralization is almost uniform.	Requirement of occasional removal of scanty ore manually in association with waste.	NIL

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	NIL
8b	Concurrent use or storage of topsoil	NIL	For afforestation along the dump slope and periphery	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	Existing OB dump on the western side within the lease	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No backfilling proposals	Mined out pit will be converted as water reservoir	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)	50 trees / Year	Around 120 Plantation along the dump	NIL
8g	Survival rate	90%	90%	NIL
8h	Water sprinkling on roads to control airborne dust	By using water tankers	Being preactised	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Area is dry and barren.	Some greenery have been developed by mine management.	NIL

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto: Mar '2015 A.R. submitted upto: 2013-14	The information was found representative.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The information given in the AR	The information was found representative.	NIL
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.	NIL

9d	Scrutiny of Annual return on afforestation	The information was furnished in appropriate column/table.	The information was found correct	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	No reject generation.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Information submitted.	Information was found correct.	NIL
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.	NIL
9h	Scrutiny of Annual return on fixed assets	The Details of Fixed Assets were given in respective table.	Information was found correct.	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 :

(ANUPAM NANDI)

Indian Bureau of Mines