

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

MCDR inspection REPORT

Chennai regional office

Mine file No : TN/PBR/LST-38.MDS

Mine code : 38TMN24037

- (i) Name of the Inspecting : **A027**) **A.S.SANJEEVA RAO**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Radhakrishnan,Rep., of Lessee&Mine Mate
Official with
Designation
- (iv) Date of Inspection : 04/08/2017
- (v) Prev.inspection date : 20/05/2012

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **ALANTHURAIYAR KATTALAI**
- (b) **Registration NO.** : **IBM/872/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TAMIL NADU**
- District : **ARIYALUR**
- Village : **ALANTHURAIYAR**
- Taluka : **ARIYALUR**
- Post office : **SUNDAKUDI**
- Pin Code :
- FAX No. :
- E-mail :
- Phone : **9944705500, 9894957689**
- (f) **Police Station** : **KEELAPALUR**
- (g) **First opening date** : **22/05/2003**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **Shri A. Mohamad Feroz,**
15, III Cross, Paramasivapuram,
Lalgudi Taluka, Tiruchirapalli-621651
3. (a) **Lease Number** : **TMN1040**
- (b) **Lease area** : **4.76**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **04/07/2022**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : CRESENT MINES & MINERALS
 A MOHAMED FEROS PROP NO-
 15, III RD CROSS
 PARAMASIVAPURAM, LALGUDI
 TIRUCHIRAPALLI TAMIL NADU
 Phone:0431-2541394, 2541942
 FAX :0431-2544044

Owner : A MOHAMED FEROS
 NO-15, III RD CROSS
 PARAMASIVAPURAM LALGUDI,
 TRICHY TIRUCHIRAPALLI TAMIL
 NADU
 Phone: 0431-2541394, 2
 FAX : 0431-2544044

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	17/02/2003
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	18/03/2005
	:	Mining Scheme rule 12 MCDR1988	19/08/2013
	:	MP review under 17(1) MCR 2016	13/04/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL.	NIL.	Deposit proved upto 20m depth.
1b	Exploration over lease area for geological axis 1 or 2	Axis-1	Axis-1	-
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	5997tonnes	00tonnes	No balance reserve .Reserve is (- 11144tonnes)due to excess production in the year 2015-16.
1f	General remarks of inspecting officers on geology, exploration etc			Mine is not working for want of EC clearance.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In central part of ML on northern side from RL-27m-23m.	As proposed.	Mine is not working .
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed.	As proposed.	
2c	Stripping ratio or ore to OB ratio	Nil.	There is no OB and intercalations.	-
2d	Quantity of topsoil generation in m3	NIL.	There is no top soil generation.	-
2e	Quantity of overburden generation in m3	NIL.	NIL.	There is no top Over burden .

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	MINE is not working.	Boundarty pillars are fixed, but not with the priscirbed dimention as 1sq m as per CCOM circular 1/2009.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit.	One pit. Approximately 190mx140mx16-20m depth.	Mine is not working .
3b	Quantity of ROM mineral production proposed	18600tonnes	18500tonnes	-
3c	Recovery of sailable/usable mineral from ROM production	18600tonnes	18500tonnes	
3d	Quantity of mineral reject generation	Nil.	Nil.	There is no OB and intercalations.
3e	Grade of mineral rejects generation and threshold value declared.	No reject geneation.	NIL.	
3f	Quantity of sub grade mineral generation.	NIL.	NIL.	-
3g	Grade of sub grade mineral generation	NIL.	No sub grade mineral generation.	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method A-OTFM	As proposed.	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No.	No beneficiation is required..	-

3j	Provision of drilling and blasting in mineral benches	Drilling by using Jack hammer withoutn blasting.	As proposed.	-
3k	Provision of mining machineries in mineral benches	Mechanised means by using excavators.	As proposed.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes.	As proposed.	
3m	Total area covered under excavation/pits	2.66hect	As proposed.	
3n	Ore to OB ratio for the pit/mine during the year.	01:06.6	As proposed.	Mine is not working.
3o	Total area put in use under different heads at the end of year	2.66hect	2.66hect	As proposed.
3p	Production of ROM mineral during the last five year period as applicable	Year- qty in tonnes] 2013-14:18400 2014-15:19200 2015-16: 17280 2016-17: 18600 2017-18: 22216 "	Year- qty in tonnes 2013-14:43000 2014-15: 6000 2015-16: 85300 2016-17: 18500	
3q	General remarks of inspecting officers on method of mining etc.		Production exceeded approved limits in the year 2015-16,violation of rule 11(2) of MCDR-17 has been communicated on 12.9.2017.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)		NIL.	No generation of topsoil and mineral waste .
4b	Location of topsoil, OB and mineral reject dumps	No proposal.	NIL.	-
4c	Number of dumps within lease area and outside of lease area	NIL.	Not applicable.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal.	Not applicable.	-
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.	No proposal.	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			No waste generation .

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 backfilling proposal during the document period.	No backfilling is proposed.	-

5b	Area under backfilling of mined out area	No proposal.	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	No proposal.	Nil.	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling proposal during the document period.

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).	Not submitted.	Violation of rule 26(2) of MCDR-2017 has been communicated to lessee on 12.9.2017 .	
6b	Area available for rehabilitation (ha) .	Nil.	Nil.	-
6c	afforestation done (ha).	212sq m area.	As proposed.	-
6d	No. of saplings planted during the year	15nos.	10nos.	
6e	Cumulative no .of plants		About 50nos.	
6f	Any other method of rehabilitation	Nil.	Nil.	-
6g	Cost incurred on watch and care during the year		Information not available.	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal.	NIL.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal.	Nil.	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal.	Nil.	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal.	Nil.	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal.	NIL.	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal.	NIL.	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal.	NIL.	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal.	NIL.	
6p	Compliance of environmental monitoring (core zone and buffer zone)		Mine is not working	-

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No reclamation & rehabilitation is proposed.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	At mine site	Entire ROM is being sold.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanised.	Entire ROM is being sold.	-
7c	Different grade of mineral sorted out at mines.		Entire ROM is being utelised.	-
7d	Any beneficiation process at mines	No proposa.	Nil.	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Entire ROM is being sold/utelised.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)		Small quantity has been stacked.	-
8b	Concurrent use or storage of topsoil	For afforestation.	As proposed.	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)		Small quantity of top soil has been stacked.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use		Only topsoil is occurring but, no rejects.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during the document period.	Nil.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		About 50 nos.	
8g	Survival rate	70%	About 50%	-
8h	Water sprinkling on roads to control airborne dust		-	Mine not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation observed on the boundaries of ML.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not furnished.	Advised to furnish the mining engineer/geologist details.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Details furnished under item 12 of AR as 2.84hect.	
9d	Scrutiny of Annual return on afforestation	NIL.	Advised to furnish the details.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		NIL.	No generation mineral reject.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Furnished under para part-VI.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished as Rs.198.95/-	Furnished as Rs.198.95/-	-
9h	Scrutiny of Annual return on fixed assets	NIL.	Furnished "NIL" as there are no establishments.	Furnished "NIL" as there are no establishments.
9k	Scrutiny of Annual return on mining machineries	Furnished as BACK HOE 2nos.	Mine is not working.	-

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
MCDR17	Rule 11(2)	12/09/2017			
MCDR17	Rule 26(2)	12/09/2017		01/11/2017	
MCDR17	Rule 27(2)	12/09/2017			

Date :

(A.S.SANJEEVA RAO)

Indian Bureau of Mines