

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

**FMCP Inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/SLM/BX -3.MDS

**Mine code :** 07TMN11005

- (i) Name of the Inspecting : **K08** ) **G.SORNADURAI KANNAN**  
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Thiru. Krishnan, Manager  
Official with  
Designation
- (iv) Date of Inspection : 28/07/2023
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KOLLI HILLS (408)**
- (b) **Registration NO.** : **IBM/5656/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : NAMAKKAL
- Village : ARIYUR NADU
- Taluka : NAMAKKAL
- Post office : SOLAKKADU
- Pin Code :
- FAX No. : 04286-247443
- E-mail : m.kannan@vedanta.co.in
- Phone : 04286-247413
- (f) Police Station :
- (g) First opening date : 02/02/1967
- (h) Weekly day of rest : SUN
2. Address for : KOLLI HILLS BAUXITE MINE  
correspondance SEMMEDU(PO),  
KOLI ILLS-637 411
3. (a) Lease Number : TMN0360
- (b) Lease area : 16.75
- (c) Period of lease : 30
- (d) Date of Expiry : 30/12/1998
4. Mineral worked : BAUXITE Main

## 5. Name and Address of the

Lessee : The Madras Alluminium Co. Ltd.  
 P.B. No. 4, METTUR DAM  
 SALEM TAMIL NADU  
 Phone:04298304301  
 FAX :04298 222215

Owner : MADRAS ALLUMINIUM COMPANY  
 MADRAS ALLUMINIUM COMPANY  
 METTUR DA M SALEM TAMIL  
 NADU  
 Phone: 22061 TO 22068  
 FAX : 04298-22069

Agent : Sridhar Subramanian  
 M/s. Vedanta Ltd, Formerly,  
 M/s. MALCO Ltd Mettur Dam,  
 Salem SALEM TAMIL NADU  
 Phone:  
 FAX :

## Mining Engineer

Name : M. KANNAN,Full Time  
 Qualification : B.E. (MINING) WITH FCC  
 Appointment/ : 11/05/1998  
 Termination date

## Geologist

Name : A. MANI,Full Time  
 Qualification : M.Sc. (GEOLOGY)  
 Appointment/ : 25/09/1997  
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 24 MCR1960 09/11/2004

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	Nil	There is no Valid document from 2010. Now FMCP has been submitted.
1b	Exploration over lease area for geological axis 1 or 2	No Proposal	Nil	There is no Valid document from 2010. Now FMCP has been submitted.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No Proposal	Nil	So far 12 boreholes have been drilled in the lease during 2007.
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	There is no Valid document from 2010. Now FMCP has been submitted.
1e	Balance reserve as on 01/04/20	No Proposal	As on 01.04.2023 Feasibility Mineral Resources (211) = 719280 tons	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
1f	General remarks of inspecting officers on geology, exploration etc	Bauxite minerlization at elevation of 1100-1300m.	Due to alternating of charnokite.	Bauxite is residual product of weathering, forms capping in the peaks.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
2c	Stripping ratio or ore to OB ratio	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

2d	Quantity of topsoil generation in m3	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
2e	Quantity of overburden generation in m3	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.

#### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3b	Quantity of ROM mineral production proposed	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3c	Recovery of sailable/usable mineral from ROM production	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3d	Quantity of mineral reject generation	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3e	Grade of mineral rejects generation and threshold value declared.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3f	Quantity of sub grade mineral generation.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

3g	Grade of sub grade mineral generation	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3h	Manual / Mechanised method adopted for segregating from ROM	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3j	Provision of drilling and blasting in mineral benches	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3k	Provision of mining machineries in mineral benches	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3m	Total area covered under excavation/pits	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3n	Ore to OB ratio for the pit/mine during the year.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3o	Total area put in use under different heads at the end of year	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
3p	Production of ROM mineral during the last five year period as applicable	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

3q	General remarks of inspecting officers on method of mining etc.	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.
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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)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4b	Location of topsoil, OB and mineral reject dumps	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4c	Number of dumps within lease area and outside of lease area	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4e	Number of active and alive dumps.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4f	Number of dead dumps.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4g	Number of dumps established.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

4i	Length of Retaining wall or garland drain all along dumps	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4j	Number of settling ponds	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
4k	Specific comments of inspecting officer on waste dump management	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.

#### 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 Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
5b	Area under backfilling of mined out area	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
5d	Total area fully reclaimed and rehabilitated	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.

#### 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).	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6b	Area available for rehabilitation (ha) .	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6c	afforestation done (ha).	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6d	No. of saplings planted during the year	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6e	Cumulative no .of plants	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6f	Any other method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6g	Cost incurred on watch and care during the year	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.

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**Mineral Conservation:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
7c	Different grade of mineral sorted out at mines.	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
7d	Any beneficiation process at mines .	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8b	Concurrent use or storage of topsoil	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8g	Survival rate	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8h	Water sprinkling on roads to control airborne dust	No Proposal	Nil	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is not in operation from 2009-2010 for statutory clearances.	There is no Valid document from 2010.	Now FMCP has been submitted for 2023-24 to 2024-25.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR are not Submitted	Annual & Monthly returns are submitted in online	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9d	Scrutiny of Annual return on afforestation	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9h	Scrutiny of Annual return on fixed assets	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.
9k	Scrutiny of Annual return on mining machineries	Nil	Monthly & Annual Returns has not submitted From 2015.	The mine is not in operation from 2009-2010. Now FMCP has been submitted.

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**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 :**

**(G.SORNADURAI KANNAN)**

Indian Bureau of Mines