

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

FMCP Inspection REPORT

Chennai regional office

Mine file No : TN/SLM/LST-11-MDS

Mine code : 38TMN11111

- (i) Name of the Inspecting : **D009**) **D.CHANDRA SEK HAR REDDY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : S.Natarajan, Chief manager(mines)
Official with
Designation
- (iv) Date of Inspection : 13/10/2022
- (v) Prev.inspection date : 12/10/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VEERACHIPALAYAM(PR.878)**
- (b) **Registration NO.** : **IBM/613/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TAMIL NADU**
- District : **SALEM**
- Village : **VEERACHIPALAYAM**
- Taluka : **SANKARI**
- Post office : **SANKARI WEST**
- Pin Code : **637303**
- FAX No. : **04283-40051**
- E-mail : **skdmines@indiacements.co.in**
- Phone : **0856-73750**
- (f) **Police Station** : **KOMARAPALAYAM**
- (g) **First opening date** : **18/02/1991**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **M/S INDIA CEMENTS LTD**
correspondance **ANNA SALAI,**
VHENNAI -600 002.
3. (a) **Lease Number** : **TMN0058**
- (b) **Lease area** : **75.58**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **24/07/1989**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : THE INDIA CEMENTS LIMITED
 DHUN BUILDING 827, ANNA
 SALAI CHENNAI CITY TAMIL
 NADU
 Phone:044-28521526, 28521527,28572100,28572400
 FAX :044-28526311

Owner : Lakshmi Aparna Sreekumar
 M/S India Cements Ltd.,
 827,Anna salai,DHUN
 Building Chennai CHENNAI
 CITY TAMIL NADU
 Phone:
 FAX :

Agent : A.veerabagu
 India cements Ltd sakari
 works salem SALEM TAMIL
 NADU
 Phone: 044-28521526
 FAX : 044-28526311

Mining Engineer

Name : Mr.Infant Jerome,Full Time
 Qualification : B.E MINING
 Appointment/ : 01/04/2018
 Termination date

Geologist

Name : vinithkannan,Full Time
 Qualification : MSC(Geo)
 Appointment/ : 10/01/2022
 Termination date

Manager

Name : G.Rajesh,B.E
 Qualification : B.E MINING
 Appointment/ : 21/05/2018
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	22/03/1999
		Mining Scheme rule 12 MCDR1988	18/10/2012
		MP modif under MCR 1960	22/03/2016
		MP modif under 17(3) MCR 2016	08/01/2021
		MP review under 17(1) MCR 2016	26/03/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL.No proposal given for Mangarangapalayam block 16.17Hc)	NIL	Mangarangapalayam Block 16.17 Hc. of veerachipalayam Lst .Mine. (FMCP submitted for part area)
1b	Exploration over lease area for geological axis 1 or 2	NIL	The entire area of Veerachipalayam Lst.mine of mangarangapalayam block explored.	NIL
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	No mining operations in this block for the past 20 years.
1e	Balance reserve as on 01/04/20	—	As on 01/04/2022 the left out reserves are 0.13 million tonnes.	NIL
1f	General remarks of inspecting officers on geology, exploration etc	—	—	The block was not in operation for long period. No further exploration done recently.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No proposal in this block.	NIL	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal given in this block.	No topsoil bench, OB bench formed exist.	The pit is not in operation for around 20 years.
2c	Stripping ratio or ore to OB ratio	NIL	NIL	No production & development works.
2d	Quantity of topsoil generation in m3	No proposals given in this pit.	NIL	pit not in operation.
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	—	—	mangarangapalayam block(16.17 Hc) not in operation.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposals given.	NIL	Pit not in operation.
3b	Quantity of ROM mineral production proposed	NIL	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	NIL	NA	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL. <34% as per latest analysis report submitted .	Pit not in operation.
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	No subgrade mineral generation.
3h	Manual / Mechanised method adopted for segregating from ROM	NIL	NIL	No mining operations proposed in mangarangapalayam block (16.17 hc)
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	NIL	NIL	Pit not in operation.

3k	Provision of mining machineries in mineral benches	No proposal.	NA	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal given for Height and width of the bench .	Benches maintained in Ob and mineral.	Pit not in operation.
3m	Total area covered under excavation/pits	4.80 HC	4.80 HC	NIL
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	No production and development.
3p	Production of ROM mineral during the last five year period as applicable	2017-18-NIL 2018-19-NIL 2019-20-NIL 2020-21-NIL 2021-22-NIL	2017-18 -NIL 2018-19-NIL 2019-20-NIL 2020-21-NIL 2021-22-NIL	No production & development proposal. Pit not in operation.
3q	General remarks of inspecting officers on method of mining etc.	—	—	No mining operations proposed in this pit, and no operations for nearly 20 years in this block.

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 from this block.	NIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	NIL	Two old waste dumps exist one west of pit-2 and other west of pit-3 of Mangarangapalayam block.	Dumps stabilised naturally and trees & bushes grown.
4c	Number of dumps within lease area and outside of lease area	No proposal for dumping in this block.	2 old dumps exist.	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal for dumping.	2 dumps exist out side UPL.	NIL
4e	Number of active and alive dumps.	NIL	NIL	NIL

4f	Number of dead dumps.	2	2	NIL
4g	Number of dumps established.	2	2	Naturally stabilised & afforestation on dumps.
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	—	—	2 Waste dumps stabilised.

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 backfiling proposal in this block.	NIL	NIL
5b	Area under backfilling of mined out area	NIL	NIL	Standalone pits partly filled with water.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil already removed used for plantation.	No topsoil dump exist.	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	No backfilling carriedout.

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).	submitted.	Submitted for veerachipalayam 1st.mine. mangarangapalayam block (16.17 Hc) is part of it.	NIL
6b	Area available for rehabilitation (ha) .	No proposal for mangarangapalayam (16.17 Ha) block.	NIL	No mining operations in this block for last 20 years.
6c	afforestation done (ha).	8.36 Hc.	8.36 Hc.	NIL
6d	No. of saplings planted during the year	NIL	NIL	NIL
6e	Cumulative no .of plants	NA	2300	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	Rs. 15000	Rs. 15000	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	NIL	NIL	pits partly filled with water.

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	8.36 Hc of area under plantation including dumps,boundary and virgin land.	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	Plantation done over virgin/undistrubed area.	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)	NIL	NIL	No working in this block.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	No mining operations done in Mangarangapalayam block (16.17 Hc) .

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL. No production &despatch from mangarangapalayam block (16.17 hc).	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	—	—	No proposal given from this block and No mining operations done .

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal for topsoil removal from this block.	Already removed utilised for plantation .	NIL
8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal.	Old waste dumps exist in Mangarangapalayam block.	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	Pits partly filled with water.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal.	NIL	NIL

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	2300 plants	NIL
8g	Survival rate	NA	75%	NIL
8h	Water sprinkling on roads to control airborne dust	No proposal.	No mining operation in this block.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Plantation carried and grown along ML boundary, waste dump and virgin area.Satisfactory.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and AR 2021-22 submitted for veerachipalaya m mine.	Mangarangapalayam block (16.17 Hc) submitted FMCP.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	YES. Details for entire mine.	Present during inspection.	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Area under mining-4.80 Hc. , waste dump-1.73 Hc., Roads - 0.08 Hc., Green belt - 8.36 Hc. undistrubed area - 1.20 Hc.	NIL.
9d	Scrutiny of Annual return on afforestation	Details given combinedly.	2300 saplings in mangarangapalayam block(16.17 Hc)	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	No mining operations in this block.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	No mining operations in this block.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NA	NA	No mining operations in this block.
9h	Scrutiny of Annual return on fixed assets	Details given combinedly.	No infrastructure exist in this block.	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	No mining machinery deployed in this block.	No mining operations in this block.

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 :**(D.CHANDRA SEKHAR REDDY)**

Indian Bureau of Mines