

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TNL/LST-101,MDS

Mine code : 38TMN15094

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Mr. P.B.Chinnavenkata Raja, Director
Official with
Designation
- (iv) Date of Inspection : 02/12/2020
- (v) Prev.inspection date : 26/02/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **THENMALAI(GO.NO.171)(1.11**
- (b) **Registration NO.** : **IBM/871/2011**
- (c) Category : A Other Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : TAMIL NADU
District : TIRUNELVELI
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail : jilmines3@gmail.com
Phone : 9842119171
- (f) Police Station :
- (g) First opening date : 20/07/1989
- (h) Weekly day of rest : SUN
2. Address for : 799/2 Sankarankoil Rd
correspondance Rajapalayam - 626117
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S JANATA CEC INDUSTRIES LTD.
799/2, SANKARAN KOIL ROAD
PB.NO:45 RAJAPALAYAM
TIRUNELVELI TAMIL NADU
Phone:30710 (4 LINES)
FAX :

Owner : JANATA CEM INDUSTRIES
799/2 Sankarankoil Rd
Rajapalayam - 626117
VIRUDHUNAGAR TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	26/11/2013
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	18/12/2015
		MP modif under 17(3) MCR 2016	06/06/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NA	The area is fully explored
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Mine fully explored under G1 category (08 BH drilled total meterage of 100.5 M)
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NA	Not Applicable
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	Mine fully explored
1e	Balance reserve as on 01/04/20	111-123117 221-94-6456	111-123117 221-94-6456	as per approved ROMP
1f	General remarks of inspecting officers on geology, exploration etc	----	-----	Geology, exploration is found to be satisfactory

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	one	one	one pit onl exist, mine close during inspection
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Overburden-01 Ore - 3 Benches	Overburden-01 Ore - 3 Benches	Followed as per plan
2c	Stripping ratio or ore to OB ratio	Not furnished	NA	Since all ROM used
2d	Quantity of topsoil generation in m3	2666 m3	Nil	Mine not working due to EC clearance
2e	Quantity of overburden generation in m3	16755 m3	Nil	Mine not working due to EC clearance

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	----	Mine not working due to EC clearance
----	---	------	------	--------------------------------------

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	mine not workin	Mine not working due to EC clearance
3b	Quantity of ROM mineral production proposed	ROM 49850 Ta	NIL	Mine not working due to EC clearance
3c	Recovery of sailable/usable mineral from ROM production	10516 Ts	NIL	Mine not working due to EC clearance
3d	Quantity of mineral reject generation	Nil	NA	No mineral reject
3e	Grade of mineral rejects generation and threshold value declared.	<35 CaO	<35 CaO	
3f	Quantity of sub grade mineral generation.	1011 Ts	NIL	Mine not working
3g	Grade of sub grade mineral generation	<35 CaO	<35 CaO	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	OTFM	OTFM	Mine not working
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Na	Not Applicable
3j	Provision of drilling and blasting in mineral benches	Yes	NIL	Mine not working

3k	Provision of mining machineries in mineral benches	Tractor Mounted compressor-1 Portable compressor-2 Hydraulic excavator-	During ROMP mine not working	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height-4mtr, Width-4mtr	Height-4mtr, Width-4mtr	NIL
3m	Total area covered under excavation/pits	0.94.5 ha	0.94.5 ha	Mine not working
3n	Ore to OB ratio for the pit/mine during the year.	Not given	NIL	Mine not working
3o	Total area put in use under different heads at the end of year	1.07.5 ha	1.07.5 ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 2902 2016-17 - 2457 2017-18 - 14387 2018-19 - 14976 2019-20 - 10516	2015-16 2423 2016-17 9021 2017-18 NIL 2018-19 NIL 2019-20 NIL	Mine not working due to EC clearance since 2017
3q	General remarks of inspecting officers on method of mining etc.	----	----	No development during inspection mine temporarily closed.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Top soli proposed for plantation	NIL	Mine not working
4b	Location of topsoil, OB and mineral reject dumps	Agjacent lease of the same company	nil	Mine not working

4c	Number of dumps within lease area and outside of lease area	NIL	NA	Mine not working
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	NA	Mine not working
4e	Number of active and alive dumps.	NIL	Na	Mine not working
4f	Number of dead dumps.	NIL	Not propose	Not at this stage
4g	Number of dumps established.	NIL	NA	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	Na	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NA	NIL
4j	Number of settling ponds	NIL	NA	NIL
4k	Specific comments of inspecting officer on waste dump management	----	---	Nine is not working during ROMP inspection

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	NA	NIL
5b	Area under backfilling of mined out area	NIL	NA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NA	NIL

5d	Total area fully reclaimed and rehabilitated	NIL	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-----	-----	Backfilling, reclamation does not arise at this stage.

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).	PMCP submitted	PMCP submitted	Submitted in time
6b	Area available for rehabilitation (ha) .	NIL	NA	NIL
6c	afforestation done (ha).	266 Sqm	nil	Mine not working
6d	No. of saplings planted during the year	20 NEEM SAPLING	nil	Mine not working
6e	Cumulative no .of plants	80 Nos	40 NOS	Mine not working
6f	Any other method of rehabilitation	NIL	NA	No deed dump
6g	Cost incurred on watch and care during the year	NIL	NA	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NIL	NA	reclamation and rehabilitation not athis stage
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NA	reclamation and rehabilitation not at this stage

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NIL	NA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	NA	NIL
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NIL	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NIL	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	NIL	NA	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	----	PMCP compliance & progressive closure operations not at this stage

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NA	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NA	NIL
7c	Different grade of mineral sorted out at mines.	NIL	NA	NIL
7d	Any beneficiation process at mines .	NIL	NA	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-----	-----	Mine not working during the time of inspection

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil proposed fgor plantation	Mine is not under operation	Mine not working
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed	NIL	Mine not working
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	na	NIL

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NA	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NA	NIL
8g	Survival rate	70%	--	Mine not working
8h	Water sprinkling on roads to control airborne dust	Proposed	nil	Mine not working
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	----	----	Mine not working during the time of inspection

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR submitted	AR submitted	Submitted in time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Not given	not given	Part-I No. 8&9 & Part-II, employment & wages
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in the format	NIL	Part-V General Geology, Sl.No.4.2(B)
9d	Scrutiny of Annual return on afforestation	Given in the format	NIL	Part-I Para 4.4

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in the format	NIL	Part-V General Geology, Sl.No.4.2(B)
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in the format	NIL	Part-VI, Sl.No.2
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in the format	NIL	Part - VI Grade wise production & Part - VII(cost of Production)-
9h	Scrutiny of Annual return on fixed assets	Given in the format	Rs.5000000	PART II (A) (Capital Structure)
9k	Scrutiny of Annual return on mining machineries	Given in the format	Tractor Mounted compressor-2 Portable compressor-2 Hydraulic excavator-1	PART - V (General Geology & Mining)

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 :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines