

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TNL/LST-29.MDS

Mine code : 38TMN15004

- (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**
- (b) **Registration NO.** : **IBM/871/2011**
- (c) **Category** : **A Mechanised**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TAMIL NADU**
- District : **TIRUNELVELI**
- Village : **THENMALAI**
- Taluka : **SIVAGIRI**
- Post office : **ARUGUANKULAM**
- Pin Code :
- FAX No. : **91-4563-30837**
- E-mail : **jilpbj0405@sancharnet.in**
- Phone : **530710 (4 LINES)**
- (f) **Police Station** :
- (g) **First opening date** : **24/08/1995**
- (h) **Weekly day of rest** : **SUN**
2. **Address for** : **M/S. JANATHA CEM INDUSTRIES LTD.**
correspondance **799 / 2 SANKARAN KOIL ROAD**
P.B. NO. 45 RAJAPALAYAM - 626 117.
3. (a) **Lease Number** : **TMN0170**
- (b) **Lease area** : **8.45**
- (c) **Period of lease** : **10**
- (d) **Date of Expiry** : **22/07/1997**
4. **Mineral worked** : **LIMESTONE** **Main**

5. Name and Address of the

Lessee : JANATHA CEM (LIMENAPH CHEMICALS)
 488/1, SANKARAN KOIL ST,
 RAJAPALAYAM VIRUDHUNAGAR
 TAMIL NADU
 Phone:
 FAX :

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

Agent : T.VENKATARAJAGOPALAN.
 799/2, SANKARAN KOIL ROAD
 PB.NO:45 VIRUDHUNAGAR
 TIRUNELVELI TAMIL NADU
 Phone: 30710
 FAX :

Manager

Name : A.SRINIVASAN
 Qualification : D.M.E , FMMCC
 Appointment/ : 07/12/2004
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	29/06/2005
		Mining Scheme rule 12 MCDR1988	29/06/2005
		Mining Scheme rule 12 MCDR1988	05/11/2013
		Mining Scheme rule 12 MCDR1988	18/12/2015
		MP modif under 17(3) MCR 2016	07/06/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NA	Mine fully explored
1b	Exploration over lease area for geological axis 1 or 2	NIL	NA	Mine fully explored under G1 category (05 BH drilled total meterage of 158.5 M
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	The area is fully explored under G1 category
1e	Balance reserve as on 01/04/20		46270-111 435869-221	NIL
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	Pit-II Pit--III	NIL	Mine not working due to EC clearance
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	Not furnished	Mine is not working.
2d	Quantity of topsoil generation in m3	2570 m3	NIL	Mine not working due to EC clearance
2e	Quantity of overburden generation in m3	1624 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	2	2	Mine not working due to EC clearance
3b	Quantity of ROM mineral production proposed	ROM 18564Ts	NIL	Mine not working
3c	Recovery of sailable/usable mineral from ROM production	14851 TS	NIL	Mine not working
3d	Quantity of mineral reject generation	NIL	NA	No mineral reject generation
3e	Grade of mineral rejects generation and threshold value declared.	<35 CaO	<35 CaO	
3f	Quantity of sub grade mineral generation.	1428 Ts	NIL	Mine not working
3g	Grade of sub grade mineral generation	NIL	NA	Not Applicable
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	Jackhammer-1	Jackhammer-1	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	Mine not working
3m	Total area covered under excavation/pits	0.59.7	0.59.7	Mine not working
3n	Ore to OB ratio for the pit/mine during the year.	NIL	NIL	NIL
3o	Total area put in use under different heads at the end of year	1.61.4	1.61.4	NIL
3p	Production of ROM mineral during the last five year period as applicable	2015-16 4758 2016-17 5039 2017-18 11257 2018-19 10908 2019-20 14851	2015-16 2182 2016-17 13251 2017-18 NIL 2018-19 NIL 2019-20 NIL	
3q	General remarks of inspecting officers on method of mining etc.	---	----	No development during inspection mine temporally closed.

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	NA
4b	Location of topsoil, OB and mineral reject dumps	BLOCK -4	BLOCK -4	nIL
4c	Number of dumps within lease area and outside of lease area	ONE	ONE	NIL

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	E-1250-E1400 - N1150 -N1000	E-1250-E1400 - N1000	N1150 -	NIL
4e	Number of active and alive dumps.	1	1		
4f	Number of dead dumps.	NIL	NA		NIL
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
4k	Specific comments of inspecting officer on waste dump management	---	---		Mine not working

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).	submitted	submitted	
6b	Area available for rehabilitation (ha) .	NIL	NA	NIL
6c	afforestation done (ha).	NIL	NA	NIL
6d	No. of saplings planted during the year	20 neem Sapling	NA	Nine is not working
6e	Cumulative no .of plants	NIL	60 neem Sapling	NIL
6f	Any other method of rehabilitation	NIL	NA	No other specific method of rehabilitation
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	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati 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)	Proposed	NIL	Mine not working
8b	Concurrent use or storage of topsoil	proposed	NIL	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 during the time of inspection
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	NIL Report Submitted in time	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	GIVEN	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	Area under pits- 059.7 Ha Area under reclamation- Nil Area under dumps-NIL Area under Plantation - 0.12.0 ha.	Part-I Sl. No 12
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	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