

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/TNL/Lst-37

Mine code : 38TMN15112

- (i) Name of the Inspecting : **D009**) **D.CHANDRA SEK HAR REDDY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : V.Karthikeyan Mines manager
Official with
Designation
- (iv) Date of Inspection : 09/08/2023
- (v) Prev.inspection date : 12/01/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PANDAPULI & THENMALAI (7.**
- (b) **Registration NO.** : **IBM/7446/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : TAMIL NADU
District : TIRUNELVELI
Village :
Taluka :
Post office :
Pin Code :
FAX No. :
E-mail : tancemalangulam@gmail.com
Phone : 04562 271426, 271449
- (f) Police Station : Rajapalayam(
- (g) First opening date : 12/07/1987
- (h) Weekly day of rest : SUN
2. Address for : M/s Tamilnadu Cements Corporation Limited.,
correspondance : 3A, 5th floor,Aavin Illam,
Pasumpoan muthuramalingam salai,chennai-35
3. (a) Lease Number : TMN1224
(b) Lease area : 7.56
(c) Period of lease : 10
(d) Date of Expiry : 11/07/1997
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : TAMILNADU CEMENT CORPORATION LTD.
 735, ANNA SALAI, P.B.No:
 5205, LLA BUILDING,
 CHENNAI CITY TAMIL NADU
 Phone:044-28525461, 28526321, 28571426
 FAX :044-28523991

Owner : M/S TAMILNADU CEMENT CORPORATION LTD
 PERAMBALUR TAMIL NADU
 Phone:
 FAX :

Agent : R.jayaprakash Narayanan
 Tancem Ltd Alangulam cement
 works Alangulam,
 Virudhunagar DT.
 TIRUNELVELI TAMIL NADU
 Phone:
 FAX :

Geologist

Name : R.Surya deepan,Full Time
 Qualification : MSC (Geo)
 Appointment/ :
 Termination date

Manager

Name : V Karthikeyan
 Qualification : B.E.(Mining)
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	20/10/2003
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03/05/2013
		Mining Scheme rule 12 MCDR1988	14/01/2015
		MP review under 17(1) MCR 2016	16/07/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4 No of core drill proposed during 2022-23.	NIL	Mining operations yet to commence.
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	Exploration proposed in the ensuing ROMP.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	—	441938 tonnes of ROM ,309356 tonnes of limestone mineral as on 01/04/2023	NIL
1f	General remarks of inspecting officers on geology, exploration etc	NIL	NIL	Mining operation not commenced.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1032320N to 1031520 N and 779800 E to 780300 E	NIL	Mining operations yet to commence.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	1 mineral bench, 2 benches in side burdrn and inter burden.	NIL	Mining operations yet to commence.
2c	Stripping ratio or ore to OB ratio	1:1.89	NIL	Mining operations yet to commence.
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	15324	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Mining operations yet to commence.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	NIL	.Mine not in operation since 01/01/2017
3b	Quantity of ROM mineral production proposed	73409 tonnes	NIL	Mine not in operation since 01/01/2017
3c	Recovery of sailable/usable mineral from ROM production	51386 tonnes	NIL	.Mine not in operation since 01/01/2017
3d	Quantity of mineral reject generation	48015 tonnes	NIL	.Mine not in operation since 01/01/2017
3e	Grade of mineral rejects generation and threshold value declared.	<35% CaO.	NIL	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	mechanised.	NIL	NIL
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	Yes.	NIL	.Mine not in operation since 01/01/2017
3k	Provision of mining machineries in mineral benches	Yes.	NIL	.Mine not in operation since 01/01/2017
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m heigh benches proposed.	NIL	.Mine not in operation since 01/01/2017
3m	Total area covered under excavation/pits	2.078 Hc.	NIL	.Mine not in operation since 01/01/2017
3n	Ore to OB ratio for the pit/mine during the year.	1:1.89	NIL	.Mine not in operation since 01/01/2017
3o	Total area put in use under different heads at the end of year	3.33.3 Hc.	0.20 HC	NIL
3p	Production of ROM mineral during the last five year period as applicable	2019-20 - NIL 2020-21 - NIL 2021-22 - 68980 tonnes. 2022-23 - 73409 tonnes 2023-24 - 73260 tonnes	2019-20 - NIL 2020-21 - NIL 2021-22 - NIL. 2022-23 - NIL 2023-24 - NIL	.Mine not in operation since 01/01/2017
3q	General remarks of inspecting officers on method of mining etc.	—	—	.Mine not in operation since 01/01/2017

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	NIL	Mining operations yet to commence.

4b	Location of topsoil, OB and mineral reject dumps	Mineral reject dump - 9 19 37.37 N , 7733 0.53 E Topsoil - 9 19 25.54 N , 77 32 55.14 E Side burden 9 19 25.76 N, 77 32 56.94 E	NIL	Mining operations yet to commence.
4c	Number of dumps within lease area and outside of lease area	3	NIL	Mining operations yet to commence.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	with in UPL	NIL	NIL
4e	Number of active and alive dumps.	3	NIL	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	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	—	—	Mining operations yet to commence.

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	NIL	NIL

5b	Area under backfilling of mined out area	NIL	NIL	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes.	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mining operations yet to commence.

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).	Yes.	Mine not in operation since 01/01/2017	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.06 HC 70 neem trees.	NIL	Mine not in operation since 01/01/2017
6d	No. of saplings planted during the year	70	NIL	Mine not in operation since 01/01/2017
6e	Cumulative no .of plants	280 upto 2022-23	NIL	Mine not in operation since 01/01/2017.
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	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	NIL
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	70 saplings proposed.	NIL	Mine not in operation since 01/01/2017
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	Mining operation not commenced .Mine not in operation since 01/01/2017
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	Mining operation not commenced .Mine not in operation since 01/01/2017
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Mining operation yet commence in the area, Mining .Mine not in operation since 01/01/2017

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	.Mine not in operation since 01/01/2017
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	One grade	NIL	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	—	—	No production of mineral .Mine not in operation since 01/01/2017

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	yes.	NIL	.Mine not in operation since 01/01/2017

8b	Concurrent use or storage of topsoil	NIL	NIL	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	proposed.	NIL	.Mine not in operation since 01/01/2017
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	NIL	NIL
8g	Survival rate	NIL	NIL	NIL
8h	Water sprinkling on roads to control airborne dust	NIL	NIL	.Mine not in operation since 01/01/2017
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	.Mine not in operation since 01/01/2017

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted.	Monthly and AR for the year 2022-23 submitted.	NIL returns submitted .

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - V.karthikeyan Geologist - R.Surya Deepan	Present during Inspection.	Mine not in operation since 01/01/2017.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	Mine not in operation since 01/01/2017.
9d	Scrutiny of Annual return on afforestation	NIL	NIL	Mine not in operation since 01/01/2017.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	Mine not in operation since 01/01/2017.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	Mine not in operation since 01/01/2017.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	Mine not in operation since 01/01/2017.
9h	Scrutiny of Annual return on fixed assets	Rs. 4653910	Combinedly given.	Mine not in operation since 01/01/2017.

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