

**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-MDS

Mine code : 38TMN15048

- (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, Assistant Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 08/08/2023
- (v) Prev.inspection date : 11/03/2020

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PANDAPULI**
- (b) **Registration NO.** : **IBM/7446/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : TAMIL NADU
- District : TIRUNELVELI
- Village : PANDAPULI
- Taluka : SANKARANKOIL
- Post office : PANDAPULI
- Pin Code : 627753
- FAX No. : 04562-34435
- E-mail : NIL
- Phone : 04562-34426 / 84765 (MINES
- (f) Police Station : PANDAPULI
- (g) First opening date : 14/08/1999
- (h) Weekly day of rest : SUN
2. Address for : M/S. TAMILNADU CEMENTS CORPORATION LTD.
correspondance ALANGULAM CEMENT WORKS
ALANGULAM - 626 127, VIRUDHUNAGAR DISTRICT
3. (a) Lease Number : TMN0627
- (b) Lease area : 24.04
- (c) Period of lease : 10
- (d) Date of Expiry : 14/08/1999
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 :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	05/01/1999
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17/05/2006
		Mining Scheme rule 12 MCDR1988	05/12/2012
		Mining Scheme rule 12 MCDR1988	19/05/2015
		MP review under 17(1) MCR 2016	31/07/2020

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal during 2022-23.	NIL	Mine not in operation since 10/01/2017 due to EC problem.
1b	Exploration over lease area for geological axis 1 or 2	G1	G2	Mine not in operation since 10/01/2017 due to EC problem.
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	—	741577 tonnes as on 01/04/2023	NIL
1f	General remarks of inspecting officers on geology, exploration etc	—	—	Mine not in operation since 10/01/2017 due to EC problem.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between 9 19 19.52 N to 9 18 59.81 N to 77 34 44.66 E to 77 35 10.57 E	NIL	Mine not in operation since 10/01/2017 due to EC problem.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	proposed.	separate benches exist.	NIL
2c	Stripping ratio or ore to OB ratio	1:1.57	NIL	Mine not in operation since 10/01/2017 due to EC problem.
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	51083	NIL	Mine not in operation since 10/01/2017 due to EC problem.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	Mine not in operation since 10/01/2017 due to EC problem.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Mine is not in operation since 10/01/2017 due to EC problem.
3b	Quantity of ROM mineral production proposed	160050 tonnes.	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3c	Recovery of sailable/usable mineral from ROM production	112035 (70%)	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3d	Quantity of mineral reject generation	48015 tonnes	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3e	Grade of mineral rejects generation and threshold value declared.	<34% 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	Mine is not in operation since 10/01/2017 due to EC problem.
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	Proposed.	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3k	Provision of machineries in mineral benches	Deployment of HEM Proposed.	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes. 7.5 m benches proposed.	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3m	Total area covered under excavation/pits	12.44.6 HC	11.43 HC	Mine is not in operation since 10/01/2017 due to EC problem.
3n	Ore to OB ratio for the pit/mine during the year.	1:1.57	NIL	NIL
3o	Total area put in use under different heads at the end of year	Mining - 12.44.6 HC. Green belt - 1.15 HC. Dumps - Roads -0.07 HC. Waste dump - 1.797 HC,	Mining - 11.43 HC. Green belt - 1.15 HC. Dumps - Roads -0.07 HC. Waste dump - 1.797 HC,	Mine is not in operation since 10/01/2017 due to EC problem.
3p	Production of ROM mineral during the last five year period as applicable	2019-20 - NIL 2020-21 - 169381 tonnes 2021-22 - 169260 tonnes 2022-23 - 160050 tonnes 2023-24 - 170550 tonnes.	2019-20 - NIL 2020-21 - NIL 2021-22 - NIL 2022-23 - NIL 2023-24 - NIL	Mine is not in operation since 10/01/2017 due to EC problem.
3q	General remarks of inspecting officers on method of mining etc.	—	—	Mine is not in operation since 10/01/2017 due to EC problem.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes.	NIL	Mine not in operation since 10/01/2017 due to EC problem.

4b	Location of topsoil, OB and mineral reject dumps	Reject dump 1)9 19 17.45 N to 77 35 0.93 E 2)9 19 6.18 N to 77 35 4.88 E 3)9 19 11.95 N to 77 34 51.98 E 4)9 18 57.80 N to 77 34 51.98 E Topsoil dump 9 18 59.68 N to 77 34 55.66 E	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	5	2	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	With in UPL	NIL	NIL
4e	Number of active and alive dumps.	2	2	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	—	—	Mine not in operation since 10/01/2017 due to EC problem.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NIL	NIL	Mineral not extracted fully.
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)	NIL	NIL	No top soil available ,already extracted was used for plantation purpose.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mine not in operation since 10/01/2017 due to EC problem.

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	submitted.	Mine is not in operation since 10/01/2017 due to EC problem.
6b	Area available for rehabilitation (ha) .	NIL	NIL	Mining operations not matured for reclamation and rehabilitation.
6c	afforestation done (ha).	0.02.75 HC.	Afforestation done along lease boundary and along the Road.	NIL
6d	No. of saplings planted during the year	50 saplings.	Around 700 saplings	NIL
6e	Cumulative no .of plants	NA	780	NIL
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	0.02.75 Hc	Around 700 saplings planted along roads,Lease boundary etc.	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL	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)	Proposed.	NIL	Mine not in operation from 10/01/2017 due to EC problem.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Mine not in operation from 10/01/2017 due to EC problem.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM is proposed to utilise.	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	—	—	Mine not in operation since 10/01/2017 due to EC problem.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes.	NIL	Mine is not in operation since 10/01/2017 due to EC problem.

8b	Concurrent use or storage of topsoil	Yes	Top soil already removed used for plantation purpose.	Mine is not in operation since 10/01/2017 due to EC problem.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps proposed.	Dumps exist.	Mine is not in operation since 10/01/2017 due to EC problem.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	Mine workings not matured for reclamation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	Mine workings not matured for reclamation.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 saplings.	Around 700 saplings exist in ML area.	NIL
8g	Survival rate	NA	60 %	NIL
8h	Water sprinkling on roads to control airborne dust	Proposed.	NIL	Mine is not in operation since 10/01/2017 due to EC problem.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	—	—	Mine is not in operation since 10/01/2017 due to EC problem.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted.	NIL returns submitted.	Mine not in operation since 10/01/2017 due to EC problem.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details given.	Manager -V.Karthikeyan Geologist - R. Surya deepan	Mine not in operation since 10/01/2017 due to EC problem.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details furnished.	Covered under pits - 11.43 HC. Waste dump- 1.797 HC. Green belt -1.150 HC.	Mine not in operation since 10/01/2017 due to EC problem.
9d	Scrutiny of Annual return on afforestation	Details furnished.	710 saplings planted .	Plantation done along Roads,dumps, lease boundary and office area.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Details given.	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given.	NIL. No production of ROM.	Mine not in operation since 10/01/2017 due to EC problem.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	Mine not in operation since 10/01/2017 due to EC problem.
9h	Scrutiny of Annual return on fixed assets	Details given.	4866715	NIL
9k	Scrutiny of Annual return on mining machineries	—	—	Mine not in operation since 10/01/2017 due to EC problem.

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