

**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 : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : V.Karthikeyan, Assistant Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 11-MAR-20
- (v) Prev.inspection date :

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-AUG-99
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S. TAMILNADU CEMENTS CORPORATION LTD.
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-AUG-99
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 : R.RAJAGOPAL, NOMINATED OWNER
 M/S TAMILNADU CEMENTS 735,
 ANNASALAI CHENNAI CHENNAI
 CITY TAMIL NADU
 Phone:
 FAX :

Agent : P.MUTHUSWAMY
 M/S TAMILNADU CEMENTS COR
 PN., ALANGULAM WORKS
 ALANGULAM VIRUDHUNAGAR
 TAMIL NADU
 Phone: 04562 - 34435
 FAX : 04562 - 34426

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	05-JAN-99
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17-MAY-06
		Mining Scheme rule 12 MCDR1988	05-DEC-12
		Mining Scheme rule 12 MCDR1988	19-MAY-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	8 NOS BORE HOLE	NIL	NOT CARRIED OUT AS NO E.C .
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	THE MINE PIT IS OPEN AND THE EXPLORATION IS CARRIED OUT TO G1 CATEGORY.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	NIL
1e	Balance reserve as on 01/04/20	2263755 MT	NIL	G1 PROVED MINEABLE RESERVE.
1f	General remarks of inspecting officers on geology, exploration etc	-	-	SATISFACTORY.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NE-SW DIRECTION FULLY DEVELOPED	NIL	MINE NOT IN OPERATION DUE TO WANT OF E.C.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NO TOP SOIL AVAILABLE	NIL	MINE NOT WORKED DUE TO WANT OF E.C
2c	Stripping ratio or ore to OB ratio	1:0.43	NIL	NIL
2d	Quantity of topsoil generation in m3	NIL	NA	NIL
2e	Quantity of overburden generation in m3	19485 MT REJECTS	NIL	NIL AS MINE NOT WORKED DUE TO WANT OF E.C

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	NIL	MINE NOT WORKED DUE TO WANT OF E.C
3b	Quantity of ROM mineral production proposed	64950	NIL	MINE NOT WORKED DUE TO WANT OF E.C
3c	Recovery of sailable/usable mineral from ROM production	45465 MT	NIL	NIL
3d	Quantity of mineral reject generation	19485	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	NIL
3f	Quantity of sub grade mineral generation.	NA	NA	NIL
3g	Grade of sub grade mineral generation	NA	NA	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	SEMI-MECHANISED	NIL	NIL, MINE NOT WORKED DUE TO WANT OF E.C
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	NIL
3j	Provision of drilling and blasting in mineral benches	YES	NIL	NIL

3k	Provision of mining machineries in mineral benches	YES	NIL	MINE NOT WORKED DUE TO WANT OF E.C
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES HEIGHT=8 MTR WIDTH=8 MTR	HEIGHT AND WIDTH OF 8 MTR IS MAINTAINED	NIL
3m	Total area covered under excavation/pits	11.43HA- TOTAL AREA 1.01.6 HA FOR WORKING	NIL	NIL, MINE NOT WORKED DUE TO WANT OF E.C
3n	Ore to OB ratio for the pit/mine during the year.	1:0.43	NIL	MINE NOT WORKED DUE TO WANT OF E.C

3o	Total area put in use under different heads at the end of year	Sl. No. Head Area put on use at start of Mining Plan (ha) Additional requirement during this Plan period (ha) Total Area (ha) Area considered as fully reclaimed & rehabilitated (ha) Net area considered for calculation (ha) 1. Area under mining 11.43.0 1.01.6 12.44.6 - 12.44.6 2. Storage for top soil - - - - - 3. Waste dump site 1.79.7 1.20.3 3.00.0 - 3.00.0 4. Mineral storage - - - - 5. Infrastructure - workshop, administrative building etc. 0.02.0 - 0.02.0 - 0.02.0 - - - - - - - - -	NIL	NIL
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3p	Production of ROM mineral during the last five year period as applicable	YEAR LST REJECTS 2015-16 119593 2016-17 171694 51508 2017-18 170700 51210 2018-19 171850 51555 2019-20 45465	ROM NIL ALL YEARS 170848 51254 120186 119490 64950 19485		MINE NOT IN OPERATION DUE TO WANT OF E.C
3q	General remarks of inspecting officers on method of mining etc.	-	-		SATISFACTORY.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	YES	SEPERATE DUMPS FOR REJECTS PRESENT.	NIL, NO TOPSOIL AVAILABLE
4b	Location of topsoil, OB and mineral reject dumps	NORTH WEST OF THE LEASE	NIL	MINE NOT IN OPERATION.
4c	Number of dumps within lease area and outside of lease area	TWO	NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	OUTSIDE UPL	NA	NIL
4e	Number of active and alive dumps.	TWO	NIL	NIL, MINES NOT OPERATED DUE TO WANT OF E.C
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.	YES	GARLAND DRAINS PROVIDED.	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	300 MTR GARLAND DRAINS PROVIDED	NIL
4j	Number of settling ponds	NA	PIT IS USED AS WATER RESERVOIR.	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	SATISFACTORY.

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.	MINERAL NOT EXTRACTED COMPLETELY	NIL	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)	NA	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	YES	SUBMITTED	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	To plant 150 number of Neem & pungan saplings, covering an area of 0.11.2 Ha along the Southern boundary barrier of the mining lease area every year	The mine is temporarily discontinued from 28.02.2013 to till date, hence no afforestation was carried out during the scheme period.	MINE IS NOT IN OPERATION DUE TO WANT OF E.C
6d	No. of saplings planted during the year	30	NIL	NIL
6e	Cumulative no .of plants	100 TREES	100 TREES	NIL
6f	Any other method of rehabilitation	NA	NA	NIL
6g	Cost incurred on watch and care during the year	NA	NA	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NO VOIDS AVAILABE FOR BACKFILLING	NA	NIL
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	NO BACKFILLED AREA AVAILABLE	MINERAL NOT EXHAUSTED	NIL

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NO WASTE LAND AVAILABLE	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NO WASTE LAND AVAILABLE	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL, AS NO WASTE LAND AVAILABLE
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	NIL	AS THE MINE WAS NOT IN OPERATION DUE TO WANT OF E.C
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NIL	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	NIL	MINE NOT WORKING
7c	Different grade of mineral sorted out at mines.	NA	NA	NIL

7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO TOPSOIL AVAILABLE	NIL	NIL, MINE NOT WORKING
8b	Concurrent use or storage of topsoil	NA	NA	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	REJECTS DUMP AVAILABLE	NO TOP SOIL AVAILABLE	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	NIL, MINE NOT WORKING
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	150	NIL	MINE NOT WORKING

8h	Water sprinkling on roads to control airborne dust	YES	NIL	MINE NOT WORKING
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	NIL RETURN	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL RETURN	NIL	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	PROVIDED	NIL AS PER PLAN.	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	MINE NOT IN OPERATION.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NOT STOCK	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL RETURN	NO PRODUCTION NO EX-MINE PRICE	NIL
9h	Scrutiny of Annual return on fixed assets	NO ASSETS	NIL	NIL

9k Scrutiny of MINING NO MACHINE AVAILABLE AT NIL
Annual return on MACHINERY NIL MINES.
mining
machineries

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 :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines