

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/RP/LST-3, MDS

Mine code : 38TMN19001

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR KARTIKEYEN ASST.MANAGER, M K KHEDEKAR-QP
Official with
Designation
- (iv) Date of Inspection : 24-JUL-19
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : ALANGULAM
- (b) **Registration NO.** : IBM/7446/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : VIRUDHUNAGAR
- Village : ALANGULAM
- Taluka : SIVAKASI
- Post office : TAMILNADU CEMENTS
- Pin Code : 626127
- FAX No. : 04562- 34435
- E-mail : tansalgm@md5.vsnl.net.in
- Phone : 04562- 34436 / 34448 / 3444
- (f) **Police Station** : ALANGULAM
- (g) **First opening date** : 20-JAN-91
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : ALANGULAM MINES
TAMILNADU CEMENTS CORPORATION
POST-ALANGULAM, VIA RAJAPALAYAM-626127
3. (a) **Lease Number** : TMN0022
- (b) **Lease area** : 515.45
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 04-FEB-88
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 : K.SATHYAGOPAL, I.A.S
 ALANGULAM CEMENT WORKS
 ALANGULAM VILL. , SIVAKASI
 TK., VIRUDHUNAGAR DT.
 VIRUDHUNAGAR TAMIL NADU
 Phone:
 FAX :

Agent : M.CHANDRASEKAR
 ALANGULAM CEMENT WORKS
 ALANGULAM VIRUDUNAGAR DT
 VIRUDHUNAGAR TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : R.JAYAPRAKASH NARAYAN,Full Time
 Qualification : BE(MINING)
 Appointment/ : 07-AUG-96
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	29-MAR-01
Plan/Scheme of Mining		Fresh under rule 22 MCR1960	29-MAR-01
		Mining Scheme rule 12 MCDR1988	11-OCT-04
		Mining Scheme rule 12 MCDR1988	14-JUN-12
		Mining Scheme rule 12 MCDR1988	04-SEP-13
		Mining Scheme rule 12 MCDR1988	11-NOV-15

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL,MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NA	NIL PROPOSAL,MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C
1e	Balance reserve as on 01/04/20	NA	11246347 MT	MINES NOT WORKED SINCE 2017
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	BETWEEN-79500E to 796300 E & 1037200N to 1037600 N	NIL	MINES NOT WORKED SINCE 2017
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Topsoil - 1 Overburden -3 Mineral -2	Topsoil - 1 Overburden -3 Mineral -2	Benches are formed earlier but mine not working
2c	Stripping ratio or ore to OB ratio	1:4	NIL	mine not working
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	480000mt	NIL	MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE WORKING PIT AVAILABLE BUT MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C	MINES NOT WORKED SINCE 2017 DUE TO WANT OF E.C
3b	Quantity of ROM mineral production proposed	2014-15= 120000 2015-16= 120000 2016-17= 120000 2017-18= 120000 2018-19= 120000	2014-15= 22159 2015-16= 42960 2016-17= 62288 2017-18= nil 2018-19= 00	Mine not working
3c	Recovery of sailable/usable mineral from ROM production	70%	NIL	MINES NOT WORKING
3d	Quantity of mineral reject generation	30%	NIL	MINES NOT WORKING
3e	Grade of mineral rejects generation and threshold value declared.	30% CAO	NIL	MINES NOT WORKING
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MINES NOT WORKING-NIL	MINES NOT WORKING
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	MINES NOT WORKING-NIL	NIL AS MINES NOT WORKING
3k	Provision of mining machineries in mineral benches	YES- SHOVEL-2 DUMPERS=12 WT-1 LOADER/DOZER-1 DRILLE-2	NIL,MINES NOT WORKING	MINES NOT WORKING 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 OB-6 MTR- HEIGHT ORE-6 MTR - HEIGHT OB-8 MTR-WIDTH ORE-8 MTR WIDTH	MAINTAINED AS PER PLAN BUT MINES NOT WORKING DUE TO WANT OF E.C	MINES NOT WORKING DUE TO WANT OF E.C SINCE 2017.
3m	Total area covered under excavation/pits	7.43 M	7.43 M	NA
3n	Ore to OB ratio for the pit/mine during the year.	1:0.45	NIL	MINE NOT WORKING DUE TO WANT OF E.C
3o	Total area put in use under different heads at the end of year	PIT=15HA TS STACK=0.50HA WASTE DUMP =8HA ROADS=6.26HA INFRA=1.05HA GREEN BELT=5.61HA TOTAL=36.42	PIT=15HA TS STACK=0.50HA WASTE DUMP =8HA ROADS=6.26HA INFRA=1.05HA GREEN BELT=5.61HA TOTAL=36.42	LESS THEN THE APPROVED PLAN AS MINE IS NOT WORKING.
3p	Production of ROM mineral during the last five year period as applicable	2014-16 120000 2015-16 120000 2016-17 120000 2017-18 120000 2018-19 120000	2014-15= 22159 2015-16=42960 2016-17= 62288 2017-18= nil 2018-19= 00	MINES NOT WORKING ALL WITHIN LIMIT.
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	NIL	NO WORKING

4b	Location of topsoil, OB and mineral reject dumps	9?22' 30" 77?41'45"	9?22' 30" 77?41'45"	MINE NOT WORKING DUE TO WANT OF E.C.
4c	Number of dumps within lease area and outside of lease area	6 within 0 outside	6 within 0 outside	6 within 0 outside
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	9 22' 30" 77 41'45" OUTSIDE	OUTSIDE UPL	9 22' 30" 77 41'45" OUT SIDE UPL
4e	Number of active and alive dumps.	1	1	MINES NOT WORKING SINCE 2017
4f	Number of dead dumps.	5	5	MINES NOT WORKING SINCE 2017
4g	Number of dumps established.	5	5	MINES NOT WORKING SINCE 2017
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NIL	MINES NOT WORKING SINCE 2017
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	MINES NOT WORKING SINCE 2017
4j	Number of settling ponds	1	1	INSIDE PIT.
4k	Specific comments of inspecting officer on waste dump management	-	-	MINES NOT WORKING SINCE 2017

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	MINERAL NOT EXTRACTED COMPLETELY	MINERAL NOT EXTRACTED COMPLETELY
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)	MINERAL NOT EXTRACTED COMPLETELY-NIL	MINERAL NOT EXTRACTED COMPLETELY	MINERAL NOT EXTRACTED COMPLETELY
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	MINERAL NOT EXTRACTED COMPLETELY AND PROPOSAL OF MAKING PIT AS WATER HARVESTING POND AFTER MINING.

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	NIL WORK AS MINES NOT WORKING	MINES NOT WORKING.
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	250	250	NIL
6d	No. of saplings planted during the year	250	250	NIL
6e	Cumulative no .of plants	1250	1250	NIL
6f	Any other method of rehabilitation	NOT PROPOSED	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	NOT APPLICABLE	NIL	NIL

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NO PROPOSAL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NO PROPOSAL	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	WILL BE FORMED AFTER MINING IS COMPLETE	WILL BE FORMED AFTER MINING IS COMPLETE BUT MINE IS NOT WORKING	MINE NOT WORKED FOR THE LAST THREE YEARS.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NO PROPOSAL	NIL	MINE NOT WORKED FOR THE LAST THREE YEARS.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE	NO WASTE LAND AVAILABLE
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	NO WORK FROM JAN-2017	MINES NOT WORKING SINCE 2017.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	120000	NIL	MINES NOT WORKING
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	NIL	MINES NOT WORKING
7c	Different grade of mineral sorted out at mines.	NA	NA	NIL
7d	Any beneficiation process at mines	NA	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	MINES NOT WORKING

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	YES	NIL, MINES NOT WORKING	MINES NOT WORKING
8b	Concurrent use or storage of topsoil	NA	NIL	MINES NOT WORKING DUE TO WANT OF E.C

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES FORMED EARLIER.	MINES NOT WORKING SINCE 2017 DUE TO WANT OF E.C.
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)	NO PROPOSAL	NIL	MINES NOT WORKING SINCE 2017 DUE TO WANT OF E.C.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	250	250SAPLING	NIL
8g	Survival rate	80	60%	NIL
8h	Water sprinkling on roads to control airborne dust	YES PROPOSAL FOR WATER TANKER.	NIL	MINES NOT WORKING SINCE 2017 DUE TO WANT OF E.C.
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 SUBMITTED	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	MINES NOT WORKING SINCE 2017 DUE TO WANT OF E.C.	MINES NOT WORKING SINCE 2017 DUE TO WANT OF E.C.	MINES NOT WORKING SINCE 2017 DUE TO WANT OF E.C.
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9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	area (surface area) utilisation as at the end of year (hectares)	MINES NOT WORKING	NIL
		Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 14.797 14.797 (iii) Reclaimed/Reha bilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 15.010 15.010 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 14.528 14.528 (vi) Other Purpose (NO) 0.000		
9d	Scrutiny of Annual return on afforestation	250	250	SATISFACTORY

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL RETURN	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	0	0	0
9h	Scrutiny of Annual return on fixed assets	Land (Tips) 7153931 0 2791121 0 4362810 TOTAL =5053619	NIL, ONLY LAND AVAILABLE.	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	NIL

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