

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TNL/LST/37-MDS

Mine code : 38TMN15048

- (i) Name of the Inspecting : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : V.Karthikeyan, Assistant Manager (Mines)
Official with
Designation
- (iv) Date of Inspection : 27/06/2019
- (v) Prev.inspection date : 27/06/2018

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 : 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	05/01/1999
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

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	8 No. of B.H	nil	Violation issued
1b	Exploration over lease area for geological axis 1 G1 or 2	Exploration Proposed for G1	Explored G1 & G2 level	Violation issued
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	Explored Under G1 &G2 level
1e	Balance reserve as on 01/04/20	---	2.49 Million	Nil
1f	General remarks of inspecting officers on geology, exploration etc	----	----	The geology is found satisfactory , exploration has to compld, mine is not working during inspection

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1400-N to 1200-N) (1100 E to 1300 E)	Nil	Mine is not working due to envrion ment clearance
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Separate benches in topsoil, overburden and mineral are maintaine in existing developments	NIL
2c	Stripping ratio or ore to OB ratio	1: 0.49	NIL	Mine not working
2d	Quantity of topsoil generation in m3	1552 Met.Tonne	NIL	Mine not working
2e	Quantity of overburden generation in m3	197456 Met.Tonne	NIL	Mine not working

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	---	During the time of inspection the mine is not working
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	one	NIL	Mine not working
3b	Quantity of ROM mineral production proposed	2014-15= 171428 2015-16= 170848 2016-17= 171694 2017-18= 170700 2018-19= 171850 2019-20= 64950	NIL	Mine not working
3c	Recovery of sailable/usable mineral from ROM production	70%	NIL	Mine not working
3d	Quantity of mineral reject generation	30%	nil	Mine not working
3e	Grade of mineral rejects generation and threshold value declared.	3%	NIL	Mine not working
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	Nit applicable	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	NIL	Mine not working

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	No analysis or beneficiation study proposed
3j	Provision of drilling and blasting in mineral benches	Yes	NIL	Mine not working
3k	Provision of mining machineries in mineral benches	Yes proposed	NIL	Mine not working
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes proposed 7.5 Metre	NIL	Mine not working
3m	Total area covered under excavation/pits	11.43 Ha	NIL	Mine not working
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.49	NIL	Mine not working
3o	Total area put in use under different heads at the end of year	1.01.6 Ha	NIL	Mine not working
3p	Production of ROM mineral during the last five year period as applicable	2014-16 171428 2015-16 170848 2016-17 171694 2017-18 170700 2018-19 171850 2019-20 64950	NIL	Mine not working
3q	General remarks of inspecting officers on method of mining etc.	----	--	Mine not working

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	South easirn side	NIL	Mine not working
4b	Location of topsoil, OB and mineral reject dumps	1100 N, 1300E (Mineral reject) 1100 N, 1700 E (Side burden) Top Soil - 1050 N 1650 E	NIL	Mine not working
4c	Number of dumps within lease area and outside of lease area	3	nil	Mine not working
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	1100 N, 1300E (Mineral reject) 1100 N, 1700 E	NIL	Mine not working
4e	Number of active and alive dumps.	1	NIL	Mine not working
4f	Number of dead dumps.	1	1	Mine not working
4g	Number of dumps established.	2	2	Mine not working
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	Not applicable	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	Not applicable	NIL
4j	Number of settling ponds	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
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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.	----	---	Mine is not working during inspection.

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).	--	NIL	Mine not working
6b	Area available for rehabilitation (ha) .	NIL	NA	NIL
6c	afforestation done (ha).	0.12 Ha	Not carried out	mine not working
6d	No. of saplings planted during the year	30 Nos	NIL	Mine not working
6e	Cumulative no .of plants	400 Nos	NIL	Mine not working
6f	Any other method of rehabilitation	NIL	NA	NIL
6g	Cost incurred on watch and care during the year	1,20,000 R.S	NIL	Mine not working

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)Afforestation 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)	paoposed	NIL	Mine not working
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	----	----	Mine not working

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	south and sout east side of tyhe lease area	NIL	Mine not working

8b	Concurrent use or storage of topsoil	Plantation	NIL	Mine not working
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NA	NIL
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	80%	NIL	Mine not working
8h	Water sprinkling on roads to control airborne dust	Proposed	NIL	Mine not working
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-----	-----	Mine not working

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Submitted	Nil return submitted	Mine not working

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NIL	NIL	Mine not working
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	Mine not working
9d	Scrutiny of Annual return on afforestation	NIL	NIL	Mine not working
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	Mine not working
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	Mine not working
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	Mine not working
9h	Scrutiny of Annual return on fixed assets	given	Givem	NIL
9k	Scrutiny of Annual return on mining machineries	Given	Mine not working	Mine not working

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
MCDR17	Rule 11(2)	17/07/2019	22/01/2020				
MCDR17	Rule 28(1)	17/07/2019	22/01/2020				
MCDR17	Rule 31(4)	17/07/2019	22/01/2020				
MCDR17	Rule 46(a)	17/07/2019	22/01/2020				
MCDR17	Rule 55(1)(3)	17/07/2019					

Date :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines