

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

**MCDR INSPECTION REPORT**

**Chennai regional office**

**Mine file No :** TN/PBR/LST-22.Mds

**Mine code :** 38TMN24054

- (i) Name of the Inspecting : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : J.PRESLEY MACULAY DGM(MINES),GEOLOGIST MINES  
Official with  
Designation
- (iv) Date of Inspection : 22-AUG-17
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : ALTHIYUR-160.73(GO.103)
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : PERAMBALUR
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone : 044-
- (f) **Police Station** : ALATHIYUR
- (g) **First opening date** : 10-OCT-01
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : INDIA CEMENTS LTD  
COramandal Towers  
R A Puram,Chennai
3. (a) **Lease Number** : TMN0992
- (b) **Lease area** : 160.73
- (c) **Period of lease** : 30
- (d) **Date of Expiry** : 11-APR-36
4. **Mineral worked** : LIMESTONE Main

5. Name and Address of the

Lessee : THE INDIA CEMENTS LIMITED  
DHUN BUILDING 827, ANNA  
SALAI CHENNAI CITY TAMIL  
NADU  
Phone:044-28521526, 28521527,28572100,28572400  
FAX :044-28526311

Owner : Sri R.K.Das,M/s India Cements Ltd.,  
DHUN BUILDING IV th Floor,  
827, ANNA SALAI CHENNAI  
CITY TAMIL NADU  
Phone:  
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 22-MAR-16  
Plan/Scheme of Mining

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal for the year 2016-17	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	G1	G1	NIL
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	39.06 Million tonnes	39.77 Million tonnes	NIL
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	Planned in ML-12 to ML-16 & ML-5 to ML-11.	Planned in ML-2 to ML-6 & 200-600E.	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	MAINTAINED
2c	Stripping ratio or ore to OB ratio	1:3.60	1:9.42	-
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	4700131	3078225	NIL

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	2	2	NIL
3b	Quantity of ROM mineral production proposed	1305592	326775.56	NIL
3c	Recovery of sailable/usable mineral from ROM production	1057893	289410.96	NIL
3d	Quantity of mineral reject generation	247699	37364.60	NIL
3e	Grade of mineral rejects generation and threshold value declared.	>18 %	>18%	NIL
3f	Quantity of sub grade mineral generation.	-	-	NIL
3g	Grade of sub grade mineral generation	-	-	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical	Mechanical	Mechanical method is adopted
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	no	no	nil
3j	Provision of drilling and blasting in mineral benches	yes	yes	nil

3k	Provision of mining machineries in mineral benches	yes	yes	yes, machine is being used.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	yes, as per plan	nil
3m	Total area covered under excavation/pits	45.04.0 Hec.	44.15.0 Hec.	nil, within the area work is carried out.
3n	Ore to OB ratio for the pit/mine during the year.	1:3.60	1:9.42	nil
3o	Total area put in use under different heads at the end of year	Area under mining- 45.04.0, Top soil-160.0, Overburden- 3.74.0, Infrastructure -0.10.0, Roads-2.20.0, Low grade dump-6.31.0.	Area under mining- 44.15.0, Top soil-160.0, Overburden-3.74.0, Infrastructure-0.10.0, Roads-2.20.0, Low grade dump- 6.31.0.	nil
3p	Production of ROM mineral during the last five year period as applicable	" 2012-13=1249958 Ts 2013-14=1180460 Ts 2014-15 =1180460 Ts 2015-16 =1177301 Ts 2016-17=1305592 Ts Total =6094215 Ts"	" 2012-13 =449439.35 Ts 2013-14=489852.39 Ts 2014-15 =351271.02 Ts 2015-16=328383.72 Ts 2016-17=326775.56 Ts Total = 1945722.04 Ts"	nil, within limit production is made.
3q	General remarks of inspecting officers on method of mining etc.	-	-	satisfactory

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Solid Waste Management - Dumping:

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Sl.No.	Item	Proposals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	yes	nil
4b	Location of topsoil, OB and mineral reject dumps	Western side of ML	as proposed, Western side of ML	nil
4c	Number of dumps within lease area and outside of lease area	One dump outside of ML & Back filled area.	One dump outside of ML & Back filled area.	nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out site of UPL	made out site of UPL	nil
4e	Number of active and alive dumps.	One +One	One +One	nil
4f	Number of dead dumps.	1	1	nil
4g	Number of dumps established.	1	1	nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes ,garland drain is made	nil
4i	Length of Retaining wall or garland drain all along dumps	-	250mtr	nil
4j	Number of settling ponds	nil	nil	nil
4k	Specific comments of inspecting officer on waste dump management	-	-	satisfactory

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**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.	Back filled in Mined out area	Back filled in Mined out area	nil

5b	Area under backfilling of mined out area	6.20.0	5.70ha	nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	nil	nil	nil
5d	Total area fully reclaimed and rehabilitated	0.50	.50 ha	nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	satisfactory

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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	yes submitted	nil
6b	Area available for rehabilitation (ha) .	0.50	.60ha	nil
6c	afforestation done (ha).	0.50	0.50ha	nil
6d	No. of saplings planted during the year	1000 saplings	1050 saplings planted	nil
6e	Cumulative no .of plants	-	21825 nos	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	300*270*24 m3	300*250*24 m3	nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	05.0	0.50ha	nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	0.50ha	0.60ha	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.	na	na	nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	YES QUARTERLY DONE	COMPLIED AS PROPOSED.



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	YES	YES	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	MECHANICAL	NIL
7c	Different grade of mineral sorted out at mines.	YES	YES, <18 % SIO2 LIMESTONE IS BEING SORTED OUT	NIL
7d	Any beneficiation process at mines	Screening by Mobile screen	Screening by Mobile screen	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	SATISFACTORY

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed for removal and concurrent use.	Removed and concurrently used.	NIL
8b	Concurrent use or storage of topsoil	No Proposal	No Proposal, NIL	NIL

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	YES	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	YES	YES	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	YES	YES	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	-	21835 PLANTATION	NIL
8g	Survival rate	80%	80%	SATISFACTORY
8h	Water sprinkling on roads to control airborne dust	YES	YES WATER SPRINKLING IS BEING DONE.	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	YES SUBMITTED	SUBMITTED IN TIME	NIL

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	YES GIVEN	PRESENT AT MINES	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	YES,GIVEN	FOUND AS GIVEN	NIL
9d	Scrutiny of Annual return on afforestation	GIVEN IN RETURN	OK	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	GIVEN IN RETURN	FOUND IN FIELD AS PER GIVEN IN RETURN	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	YES	OK	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	GIVEN	GIVEN COST OF MINING, IT IS CAPTIVE MINE	NIL
9h	Scrutiny of Annual return on fixed assets	GIVEN	GIVEN IN RETURN	OK
9k	Scrutiny of Annual return on mining machineries	GIVEN	OK	NIL

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**Details of violations observed during current inspection and compliance position of violation pointed out**

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

**Date :**

(SALIL SANDIP KUJUR)

Indian Bureau of Mines