

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/TCR/LST-66-Mds

Mine code : 38TMN24003

- (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)
Official with
Designation
- (iv) Date of Inspection : 21-AUG-17
- (v) Prev.inspection date : 09-MAR-17

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : ADHANAKURICHI
- (b) **Registration NO.** : IBM/613/2011
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : ARIYALUR
- Village : ADHANAKURICHI
- Taluka : SENDURAI
- Post office : CEMENT NAGAR
- Pin Code : 621730
- FAX No. : 04329-248248
- E-mail : j.thirumeni@indiacements.co
- Phone : 04329-248206
- (f) **Police Station** : DALAVOI
- (g) **First opening date** : 06-JAN-96
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : Sh P RAMASAMY, GM(Mines)
THE INDIA CEMENT LTD.
DALAVOI, TEHSIL-SENDURAI, ARIYALUR
3. (a) **Lease Number** : TMN1042
- (b) **Lease area** : 47.42
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 15-OCT-26
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 : R K DAS, THE INDIA CEMENT LTD
 Coramandel Tower,
 93,Karpagam Avenue Sandome
 high road, R.A.Puram
 CHENNAI CITY TAMIL NADU
 Phone: 044-28521526,28
 FAX : 04428526311, 04

Agent : S.GOPINATH
 INDIA CEMENTS LTD CEMENT
 NAGAR PO. SENDURAI TK.
 PERAMBALUR TAMIL NADU
 Phone:
 FAX :

Mining Engineer

Name : G.S.RAJASINGH NELSON,Full Time
 Qualification : BE(MINING)
 Appointment/ :
 Termination date

Mining Engineer

Name : J.PRIESTLY MACAULAY,Full Time
 Qualification : BE(MINING)
 Appointment/ : 15-SEP-03
 Termination date

Geologist

Name : G.BALU,Full Time
 Qualification : MSC(GEO), FCC
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	26-JUL-02
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	15-FEB-07
	:	Mining Scheme rule 12 MCDR1988	06-JAN-12
	:	Mining Scheme rule 12 MCDR1988	06-JAN-12
	:	Mining Scheme rule 12 MCDR1988	10-MAY-12
	:	Mining Scheme rule 12 MCDR1988	22-MAR-16

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	5.08 Million tonnes	5.15 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 between ML-6 to 9	Worked in in between ML-6 to 9	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	NIL
2c	Stripping ratio or ore to OB ratio	1:0.09	1:0.15	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	72330 MT	37476.70 MT	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	TWO	TWO	NIL
3b	Quantity of ROM mineral production proposed	508760	407536.04	NIL, WITHIN LIMIT
3c	Recovery of sailable/usable mineral from ROM production	436430	370059.34	NIL
3d	Quantity of mineral reject generation	72330	37476.70	NIL
3e	Grade of mineral rejects generation and threshold value declared.	SiO ₂ >18.0%	SiO ₂ >18.0%	NIL
3f	Quantity of sub grade mineral generation.	-	-	-
3g	Grade of sub grade mineral generation	-	-	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanical	Mechanical	NIL
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	NO	NIL BLASTING	NIL

3k	Provision of mining machineries in mineral benches	YES	YES	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	YES	NIL
3m	Total area covered under excavation/pits	22.15.5 Hec.	20.65.0 Hec.	NIL, WITHIN LIMIT
3n	Ore to OB ratio for the pit/mine during the year.	1:0.09	1:0.15	NIL
3o	Total area put in use under different heads at the end of year	Area under mining- 22.15.5, Overburden- 8.50.0, Mineral storage- 0.60.0, Roads- 1.64.0, Protective bund- 1.66.0.	Area under mining- 20.65.0, Overburden- 8.50.0, Mineral storage- 0.60.0, Roads- 1.64.0, Protective bund- 1.66.0.	NIL
3p	Production of ROM mineral during the last five year period as applicable	" 2012-13=373624 Ts 2013-14=413501 Ts 2014-15 =461749 Ts 2015-16 =578608 Ts 2016-17=508760 Ts Total =2336242 Ts"	" 2012-13 =330299.07 Ts 2013-14=346397.97 Ts 2014-15 =459986.53 Ts 2015-16=411063.98 Ts 2016-17=407536.04 Ts Total = 2055283.59 Ts"	NIL
3q	General remarks of inspecting officers on method of mining etc.	-	-	SATISFACTORY

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)	YES	YES	NIL
4b	Location of topsoil, OB and mineral reject dumps	WESTERN SIDE	AS PER PROPOSAL WESTERN SIDE OF THE LEASE	NIL
4c	Number of dumps within lease area and outside of lease area	One Dump within ML, &Back filled area	One Dump within ML, &Back filled area One Dump within ML, &Back filled area	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Out site of UPL	Out site of UPL	NIL
4e	Number of active and alive dumps.	Nil & One	Nil & One	NIL
4f	Number of dead dumps.	ONE	ONE	NIL
4g	Number of dumps established.	ONE	ONE	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	YES	YES	NIL
4i	Length of Retaining wall or garland drain all along dumps	-	300 MTE GARLAND DRAINS IS MADE	NIL
4j	Number of settling ponds	NIL	NIL	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.	Back filled in Mined out area	Back filled in Mined out area	NIL

5b	Area under backfilling of mined out area	0.33.0 HA	0.20 HA	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	0.20HA	0.10HA	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	SATISFACTORY

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 TO IBM IN TIME	NIL
6b	Area available for rehabilitation (ha) .	0.33 HA	0.10 HA	NIL
6c	afforestation done (ha).	0.22 HA	0.050HA	NIL
6d	No. of saplings planted during the year	250	70 SAPLINGS PLANTED	NIL
6e	Cumulative no .of plants	-	10256 NOS OF PLANTATION IS DONE	NIL
6f	Any other method of rehabilitation	NA	NIL	NIL
6g	Cost incurred on watch and care during the year	-	-	-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	95*32*7M3	35*75*7M3	BACKFILLING UNDER PROGRESS.

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	YES	YES IT IS BEING DONE	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	250	75	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	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, IT IS DONE ON QUARTERLY BASIS	NIL

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.	MANUAL	MANUAL	NIL
7c	Different grade of mineral sorted out at mines.	YES	YES	NIL
7d	Any beneficiation process at mines	YES, BY MOBILE SCREENING	BY MOBILE SCREENING	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)	39432 Ts	No topsoil removal for 2016-17	NIL
8b	Concurrent use or storage of topsoil	Yes	No generation of top soil	NIL

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)	-	10256 PLANTS	NIL
8g	Survival rate	90%	90%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	YES IT IS BEING DONE	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY

Compliance of Rule 45:

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

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

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