

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/SLM/LST-6(S)/MDS

Mine code : 38TMN11073

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S RAMESH AGM-MINES
Official with
Designation
- (iv) Date of Inspection : 07-JUN-17
- (v) Prev.inspection date : 05-DEC-10

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : MOTHAIYANUR (55.74 H.(S)
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : SALEM
- Village : CHINNAGOUNDANUR
- Taluka : SANKARI
- Post office : MOTHAIYANUR
- Pin Code : 637303
- FAX No. : 04283-240051
- E-mail :
- Phone : 04283-240387/240053
- (f) **Police Station** : SANKARI
- (g) **First opening date** : 02-APR-66
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : INDIA CEMENTS LIMITED, SANKARI WEST POST
SALEM DISTRICT - 637 303.
3. (a) **Lease Number** : TMN0059
- (b) **Lease area** : 54.18
- (c) **Period of lease** : 10
- (d) **Date of Expiry** : 08-DEC-02
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 : K.RAJENDRAN
 THE INDIA CEMENTS LTD
 DALAVOI WORKS ARIYALUR
 TAMIL NADU
 Phone: 04329-248222, 9994895501
 FAX : 04329-248248

Mining Engineer

Name : K.BHASKARA THODAIMAN,Full Time
 Qualification : I CLASS MANAGER CERTIFICATE
 Appointment/ : 01-DEC-06
 Termination date

Geologist

Name : GOPISUBRAMANIAM,Full Time
 Qualification :
 Appointment/ : 08-OCT-82
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14-FEB-08
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03-OCT-11
		Mining Scheme rule 12 MCDR1988	13-JUN-13
		Mining Scheme rule 12 MCDR1988	25-APR-14

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2 nos of Core Drill(Total mts=100)	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	2 nos of Core Drill(Total mts=90)	2 nos of Core Drill(Total mts=90)	NIL, BACKLOG TAKEN AND COMPLETED.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	ICL ,1.8 lakhsa	ICL ,1.8 lakhsa	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	4.30 Million Ts	4.30 Million Ts	NIL
1f	General remarks of inspecting officers on geology, exploration etc	-	-	BACKLOG COMPLETED, SATISFACTORY.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	North west of the main pit	NIL	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	4 nos of Mineral benches	NIL	NIL
2c	Stripping ratio or ore to OB ratio	1:0.5	NIL	NO WORK DUE TO EC.
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	NIL	NIL	NIL

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	NO WORK ONLY EXPLORATION IS BEING DONE.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE, NIL FOR CURRENT FY.	NIL
3b	Quantity of ROM mineral production proposed	2190 Ts	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	1424 Ts	NIL	NIL
3d	Quantity of mineral reject generation	766 Ts	NIL	NA
3e	Grade of mineral rejects generation and threshold value declared.	Cao-4.89%	NIL	NIL
3f	Quantity of sub grade mineral generation.	NA	NIL	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	NIL	NIL
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NIL	NIL
3j	Provision of drilling and blasting in mineral benches	PROVIDED	NIL	NIL

3k	Provision of mining machineries in mineral benches	Drill machines -2nos, Breakers 2nos, Excavators -2nos, Wheel loader -1 no, Dozer -1 no, Tipper -11 nos	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	YES	NIL	NIL
3m	Total area covered under excavation/pits	10.14 .0 Ha	4.15 .0 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:0.5	NIL	NIL
3o	Total area put in use under different heads at the end of year	Excavation 10.45 Ha Road 1.02 Dump 0.05 Ha Plantation 0.15 Ha	Excavation 4.15 Ha Road 1.05 Dump 0.05 Ha Plantation 0.2 Ha	WITHIN LIMIT
3p	Production of ROM mineral during the last five year period as applicable	-	NIL	NIL, NO PRODUCTION MADE
3q	General remarks of inspecting officers on method of mining etc.	-	-	NO MINING DUE TO EC.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	766 Ts(ISR)	NIL	NIL

4b	Location of topsoil, OB and mineral reject dumps	Eastern side of the pit	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	1(within lease)	NIL	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern side of the pit	NIL	OLD DUMP. OUSIDE THE ULTIMATE PIT LIMIT
4e	Number of active and alive dumps.	1(within lease)	NIL	NIL
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.	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dumps	NIL	NIL	NIL
4j	Number of settling ponds	NIL	NIL	NIL
4k	Specific comments of inspecting officer on waste dump management	-	-	SATISFACTORY , FANCING HAS BEEN DONE.

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.	NO RECLAMATION IS PLANNED	NIL	NIL
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)	NIL	NIL	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	NIL	NA	NIL

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).	Submitted for the year 2015-16 and will be submitted for the year (2016-17)	will be submitted ofr the year 2016-17	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.15HA	0.20HA	NIL
6d	No. of saplings planted during the year	150	200	NIL
6e	Cumulative no .of plants	400	600	NIL
6f	Any other method of rehabilitation	400	600	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	NIL	NIL	NIL

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NIL	NIL	NIL
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NIL	NIL	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	NIL	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NIL	NIL	NIL
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NIL	NIL	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES, QUARTERLY MONITORING HAS TO BE DONE	AS PROPOSED IT IS BEING DONE	NIL

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

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	NIL	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANICAL	NIL	NIL
7c	Different grade of mineral sorted out at mines.	CEMENT GRADE	NIL	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	NOT REQUIRED AS THE MINERAL IS BEING SORTED AT SITE WHILE WORK.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NO PROPOSAL	NIL	NIL
8b	Concurrent use or storage of topsoil	NO PROPOSAL	NIL	NIL

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL, ONE TYPE OF REJECTS	NIL,NO WORK	NIL
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)	YES,NIL AS ULTIMATE PIT LIMIT IS NOT REACHED.	ULTIMATE PIT LIMIT IS NOT REACHED,NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 SAPLING	200 SAPLING PLANTED	NIL
8g	Survival rate	90%	80%	NIL
8h	Water sprinkling on roads to control airborne dust	YES	WATER ARRANGEMENT HAS BEEN MADE	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY WORK.

Compliance of Rule 45:

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

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	GIVEN	GEOLOGIST NOT APPOINTED/PARTIAL APPOINTMENT	VIOLATION BEING POINTED OUT.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	NIL
9d	Scrutiny of Annual return on afforestation	GIVEN	PROVIDED	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	GIVEN, CAPTIVE MINE	CAPTIVE MINE	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	NA	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	CAPTIVE MINE	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	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 couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines