

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

MCDR INSPECTION REPORT

Chennai regional office

Mine file No : TN/SLM/LST-4 .MDS

Mine code : 38TMN11011

- (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 : 06-JUN-17
- (v) Prev.inspection date : 12-MAR-12

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : KARUMAPURATHNUR
- (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 : skd_mines@indiacements.co.:
- Phone : 04283-252221, 254923
- (f) **Police Station** : SANKARI
- (g) **First opening date** : 09-JUL-63
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : M/S INDIA CEMENTS LTD
SANKARI WEST
SALEM - 637303
3. (a) **Lease Number** : TMN0060
- (b) **Lease area** : 38.73
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 05-DEC-96
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	16-MAR-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17-DEC-12
		Mining Scheme rule 12 MCDR1988	03-JAN-13
		MP modif under MCR 1960	22-MAR-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	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	ICL,10.7 LAKHS IN GO NO 77	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	-	2.07MILLION MT	NA
1f	General remarks of inspecting officers on geology, exploration etc	-	-	THE AREA IS EXPLORED TO G1 LEVEL.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	NORTHEN SIDE OF THE MAIN BLOCK	NORTHEN SIDE OF THE MAIN BLOCK	AS PER PROPOSAL,NOTH SIDE OF MAIN BLOCK
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES,Over burden: 1 bench,Minearl :9 benches	YES AS PROPOSED Over burden: 1 bench,Minearl :9 benches	NIL, ALL BENCHES ARE AS PER PROPOSAL.
2c	Stripping ratio or ore to OB ratio	1:2.5	1:2.3	WITHIN LIMIT
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL
2e	Quantity of overburden generation in m3	NIL	NIL	ONLY MINERAL REJECTS IS GENERATED

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	SATISFACTORY.
----	---	---	---	---------------

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	NIL
3b	Quantity of ROM mineral production proposed	1,84,638 Ts	34,046 Ts	WITHIN LIMIT
3c	Recovery of sailable/usable mineral from ROM production	73,855 Ts	10,317 Ts	WITHIN LIMIT DUE TO EC
3d	Quantity of mineral reject generation	1,10,783 Ts	23729 Ts	NIL
3e	Grade of mineral rejects generation and threshold value declared.	Cao-4.62%	Cao-4.62%	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NOT APPLICABLE	NIL
3h	Manual / Mechanised method adopted for segregating from ROM	MECHANISED	MECHANISED METHOD ADOPTED AS PER PLAN	MECHANISED.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NIL	NO	NIL
3j	Provision of drilling and blasting in mineral benches	YES	YES AS PER PLAN DRILLING AND BLASTING IS BEING DONE.	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	Drill machines 1nos,Breakers 1nos,Excavators Wheel loader -1 no,Tipper -5 nos	SUFFICIENT MACHINERIES IS BEING DEPLOYED.
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	13.28 Ha	13.28 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:2.5	1:2.3	WITHIN LIMIT
3o	Total area put in use under different heads at the end of year	MINING=12.00HA DUMP=1.2 ROAD=0.1HA PLANTATION=0.15HA	MINING=12.00HA DUMP=0.45HA ROAD=0.1HA PLANTATION=0.05HA	NIL
3p	Production of ROM mineral during the last five year period as applicable	TOTAL=2,57,889 Ts	213549 Ts	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)	Total waste=1,10,783 Ts ,NO TOPSOIL	23729 Ts ,NO TOPSOIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	NORTHERN PART OF MINING LEASE	NORTHERN PART OF MINING LEASE	NIL

4c	Number of dumps within lease area and outside of lease area	1 dump within lease area	1 dump within lease area	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Northern part of UPL	Northern part of UPL	NIL
4e	Number of active and alive dumps.	ONE	ONE	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	ONE	ONE	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	NIL	NO	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 DUMPS ARE MAINTAIN AS PER PLAN.

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.	NIL	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)	NO TOPSOIL AND upl NOT REACHED	NIL AS NO TOP SOIL AVAILABLE	NIL

5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	NIL AS UPL NOT REACHED.

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 FY 2015-16	WILL BE SUBMITTED FOR FY2016-17	NIL
6b	Area available for rehabilitation (ha) .	NIL	NIL	NIL
6c	afforestation done (ha).	0.1HA	0.1HA	NIL
6d	No. of saplings planted during the year	100	100	NIL
6e	Cumulative no .of plants	3060	3060	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	30600	30000	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	NL

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on 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.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NIL	NO WASTE LAND WITHIN LEASE.	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NIL	NIL,NO WASTE LAND WITHIN LEASE.	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)	QUARTERLY MONITORING	QUARTERLY MONITORING REPORT DISPLAYED	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	AS PER PLAN PMCP IS FOLLOWED. SATISFACTORY

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

7a	ROM Mineral dispatch or grade-wise sorting within lease area	73855 (LIMESTONE)	10317(LIMESTONE)	NIL, WITHIN PROPOSAL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MECHANISED	MECHANISED	NIL
7c	Different grade of mineral sorted out at mines.	CEMENT GRADE	CEMENT GRADE IS PRODUCED	NIL
7d	Any beneficiation process at mines	NIL	NIL	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)	NIL	NIL, AS NO TOPSOIL AVAILABLE	NIL
8b	Concurrent use or storage of topsoil	NIL	NIL, AS NO TOPSOIL AVAILABLE	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	ONE DUMP) ONLY ONE TYPR OF MINERAL REJECTS AVAILABLE)	ONE DUMP) ONLY OF MINERAL REJECTS AVAILABLE)	NIL, AS PER PLAN.
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)	NIL	NIL	NIL, UPL NOT REACHED.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation has been done in 0.1 ha.No of Trees planted for the yeay2016-17	Plantation has been done in 0.1 ha.No of Trees planted for the yeay2016-17	SATISFACTORY.
8g	Survival rate	90%	90%	NIL, SATISFACTORY
8h	Water sprinkling on roads to control airborne dust	PROVIDED	PROVIDED	SATISFACTORY.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	SATISFACTORY, MINE IS WORKED ACCORDING TP PLAN.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	SUBMITTED	SUBMITTED SHOWN DURING INSPECTION.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	PARTLY EMPLOYED GEOLOGIST	VIOLATION OBSERVED	VIOLATION POINTED OUT.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	GIVEN	PROVIDED	NIL
9d	Scrutiny of Annual return on afforestation	-	PROVIDED	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	GIVEN IN AR	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	PRODUCTION GIVEN IN AR	PRODUCTION GIVEN IN AR BUT AR PLAN SHOWING NIL PLANNED	VIOLATION IS BEING POINTED OUT.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	GIVEN, CAPTIVE	CAPTIVE MINE PROVIDED	NIL
9h	Scrutiny of Annual return on fixed assets	GIVEN	PROVIDED	NIL
9k	Scrutiny of Annual return on mining machineries	-	-	NIL M/C AS PER PLAN.

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