

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

**MCDR inspection REPORT**

**Chennai regional office**

**Mine file No :** TN/SLM/LST-154.MDS

**Mine code :** 38TMN11115

- (i) Name of the Inspecting : S011 ) SALIL SANDIP KUJUR  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR S RAMESH-DGM,MR RAJESH-MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 05-FEB-20
- (v) Prev.inspection date : 02-JUL-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : CHINNAGOUNDANUR(GONO.77(5
- (b) **Registration NO.** : IBM/613/2011
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : SALEM
- Village : KARUMAPURATHANUR
- Taluka : SANKARI
- Post office : SANKARI WEST
- Pin Code : 637303
- FAX No. :
- E-mail : skd\_gmoffice@indiacementsco
- Phone :
- (f) **Police Station** : SANKARI
- (g) **First opening date** : 21-MAR-95
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : SANKARI WEST  
SANKARI WORKS  
SALEM - 636303
3. (a) **Lease Number** : TMN0059
- (b) **Lease area** : 54.18
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 31-MAR-30
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 : MS.Lakshmi Aparan Sreekumar  
 M/s.The India cements  
 Limited 827,Annasalai,Dhun  
 Building Chennai CHENNAI  
 CITY TAMIL NADU  
 Phone:  
 FAX :

Agent : Sri.S.K palaniappan,Vice President(manufacturing)  
 M/s.India Cement limitrd  
 CHENNAI CITY TAMIL NADU  
 Phone:  
 FAX :

Mining Engineer  
 Name : S. Ramesh,Full Time  
 Qualification : B.E.MINING  
 Appointment/ : 10-DEC-18  
 Termination date

Geologist  
 Name : R. Gopisubramanian,Full Time  
 Qualification : M.Sc Geology  
 Appointment/ : 08-OCT-82  
 Termination date

Manager  
 Name : S. NATARAJAN  
 Qualification : B.E MINING  
 Appointment/ : 10-DEC-18  
 Termination date

6. Date of approval of Mining : Fresh under rule 22 MCR1960 09-AUG-90  
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 29-NOV-16

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	Not applicable	Mine is fully explored under G1-level
1b	Exploration over lease area for geological axis 1 or 2	NIL	Not applicable	Mine is fully explored under G1-level
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Not applicable	Not applicable
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	Not applicable	Fully explored .
1e	Balance reserve as on 01/04/20	--	4.98 Million Tonnes	As per mining plan
1f	General remarks of inspecting officers on geology, exploration etc	----	-----	Geology and exploration are found satisfactory.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N 1269650 to 1269978 (RL 260) E 806660 to 807078 (RL 214)	N 1269650 to 1269978 (RL 260) E 806660 to 807078 (RL 214)	As proposed in the Approved ROMP
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No topsoil available No of benches in OB/side burden-2 No of benches in ore- 6	No topsoil available No of benches in OB/side burden-2 No of benches in ore- 6	No separate benches for topsoil and OB-as this deposit is formed by many number of parallel bands exposed at top striking from east to west and dipping in North direction
2c	Stripping ratio or ore to OB ratio	1:3.31	1:2.25	violation issued

2d	Quantity of topsoil generation in m3	NIL	NA	No to soil generation
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	-----	----	development of pit is found as per the proposal but stripping ratio is not as per plan.

### 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	2014-15 = 277980 2015-16 = 276825 2016-17=309337 2017-18=449750 2018-19=447250 2019-20=449928	2014-15 = 154768 2015-16 = 276550 2016-17 = 309307 2017-18=422450 2018-19=411707 2019-20= 73502*	With in the limit
3c	Recovery of sailable/usable mineral from ROM production	2018-19 = 268350tns	2018-19 = 247024tns	With in the limit
3d	Quantity of mineral reject generation	2018-19 = 889574tns	2018-19 = 556047tns	NIL
3e	Grade of mineral rejects generation and threshold value declared.	<35 % cao	<32 cao	35% to 32 % cao is also consumed
3f	Quantity of sub grade mineral generation.	NIL	NIL	No sub-grade mineral generation.
3g	Grade of sub grade mineral generation	NIL	NIL	No sub-grade mineral generation
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	NIL

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NO	NIL	No beneficiation study proposed
3j	Provision of drilling and blasting in mineral benches	Proposed for D & B	As per the proposal	drilling and blasting is carried out.
3k	Provision of mining machineries in mineral benches	Tamrock-2nos Ex-600-1no PC300 Excavator with Atlas Copco Breaker HB2000  Ex210 with breaker-1no Tata JD315laoder-1 no Front end loader-1no Ex210 -1 no PC-200 1 no Dozer-1no Tipper- 5 nos	Tamrock-2nos Ex-600-1no PC300 Excavator with Atlas Copco Breaker HB2000  Ex210 with breaker-1no Tata JD315laoder-1 no Front end loader-1no Ex210 -1 no PC-200 1 no Dozer-1no Tipper- 5 nos	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes Height of the bench Ore- 8 m OB/Waste-3 m	Height of the bench Ore- 8 m OB/Waste-5-6 mtr observed	as per plan
3m	Total area covered under excavation/pits	27.04 Ha	27.04 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:3.31	1:2.25	violation issued

3o	Total area put in use under different heads at the end of year	Mining- 27.34 Ha Dump- 6.85	Mining- 27.40 Ha Dump- 7.41 Greenbelt- 2.41 Infrasturcure - 0.46	NIL
			Non mining- 16.50	
		Greenbelt- 2.26		
		Infrasturcure - 0.46		
		Non mining- 17.27		
3p	Production of ROM mineral during the last five year period as applicable	2014-15 277980 2015-16 276825 2019-20 449928 2016-17 309337 2017-18 449750 2018-19 447250	2014-15 154768 2015-16 276550 2016-17 309307 2017-18 422450 2018-19 411707 2019-20 73502(up to June2019)	NIL
3q	General remarks of inspecting officers on method of mining etc.	---	----	method of mining is found systematic only S.R difference observed.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only one reject dump proposed	Only one reject dump made	as per proposal
4b	Location of topsoil, OB and mineral reject dumps	N 1269924 to 1270150(RL 281) E 806415 to 806540(RL 295)	N 1269924 to 1270150 (RL 281) E 806415 to 806540 (RL 290)	as per plan working is progressing.
4c	Number of dumps within lease area and outside of lease area	02	02	within lease area 02

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N 1269924 to 1270150(RL 281) E 806415 to 806540(RL 295)	N 1269924 to 1270150 (RL 281) E 806415 to 806540 (RL 290)	nil
4e	Number of active and alive dumps.	1	1	as proposed
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	Yes garland drains are maintained.
4i	Length of Retaining wall or garland drain all along dumps	Garland drain proposed-500m	Garland drain 500m made	nil
4j	Number of settling ponds	Pit is used as Settling pond	Pit is used as Settling pond	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.	In no area complete mineral is exhausted	In no area complete mineral is exhausted	Mining operation under progress and no area complete mineral is exhausted
5b	Area under backfilling of mined out area	NA	NA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	NIL
5d	Total area fully reclaimed and rehabilitated	NIL	NA	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	nil
6b	Area available for rehabilitation (ha) .	Nil	Nil	nil
6c	afforestation done (ha).	0.25Ha	0.25Ha	For 2018-19 in old stabilized dump i.e afforestation.
6d	No. of saplings planted during the year	200	1473	For 2018-19
6e	Cumulative no .of plants	400	1768	For last 2 years (2017-18 & 2018-19)
6f	Any other method of rehabilitation	NA	NIL	NIL
6g	Cost incurred on watch and care during the year	44000	38000	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	NIL	NO AREA AVAILABLE	NO AREA AVAILABLE
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA AS NO AREA AVAILABLE	NO AREA AVAILABLE	NIL



6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NIL	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	PIT IS USED AS WATER RESERVOIR	PIT IS USED AS WATER RESERVOIR	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	NO WASTE LAND AVAILABLE	NIL
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	NO WASTE LAND AVAILABLE	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	ABC CONSULTANCY	All parameters are within norm.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	SATISFACTORY

---

**Mineral Conservation:**

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	268350	247024	2018-19

---

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical/manual	Mechanical/manual at stock/reject yard	For mineral conservation.
7c	Different grade of mineral sorted out at mines.	na	na	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)	No topsoil	No topsoil excavation	nil
8b	Concurrent use or storage of topsoil	na	na	nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	no	nil	No Separate benches for OB and interstitial reject
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	na	na	nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	not applicable	nil	nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Neem&Pungan	Neem, Tamarind, Palm, Dubai, Pencil, Jujibi, Naval and Poovarasan.	different types of trees area planted
8g	Survival rate	90%	75%	nil
8h	Water sprinkling on roads to control airborne dust	water sprinkling is done	as per plan WT are in use	nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	satisfactory

---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	submitted	submitted in time	nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	S. Ramesh (Mining Engineer); R. Gopi Subramanian (Geologist); S. Natarajan (Mines Manager)	present at the time of inspection.	nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	54.18.0Ha	54.18.0Ha	54.18.0Ha is used land
9d	Scrutiny of Annual return on afforestation	200	473 saplings planted	nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	na	na	no mineral rejects stock
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No stock of ROM	No stock of ROM is maintained	all mineral is transported simultenously
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex. Mine price=Rs 429 Per tonne Delivery cost=Rs581.60 Per tonne	Ex. Mine price=Rs 429 Per tonne Delivery cost=Rs581.60 Per tonne from mines to plant	nil
9h	Scrutiny of Annual return on fixed assets	Fixed assets=Rs.2.08 Crores	include machines depreciated value	nil
9k	Scrutiny of Annual return on mining machineries	Tamrock-2nos Ex-600-1no PC300 Excavator with Atlas Copco Breaker HB2000  Ex210 with breaker-1no Tata JD315laoder-1 no Front end loader-1no Ex210 -1 no PC-200 1no Dozer-1no Tipper- 5 nos	Tamrock-2nos Ex-600-1no PC300 Excavator with Atlas Copco Breaker HB2000  Ex210 with breaker-1no Tata JD315laoder-1 no Front end loader-1no Ex210 -1 no PC-200 1 no Dozer-1no Tipper- 5 nos	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
MCDR17	Rule 11(1)	18-FEB-20	22-JUL-20			

Date :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines