

**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 : **D009**) **D.CHANDRA SEK HAR REDDY**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Sri. S.Natarajan, AGM (mines).
Official with
Designation
- (iv) Date of Inspection : 28/10/2023
- (v) Prev.inspection date : 05/11/2022

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHINNAGOUNDANUR(GONO.77(5**
- (b) **Registration NO.** : **IBM/613/2011**
- (c) Category : A Fully Mechanised
- (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. : 04283-240387
- E-mail : skd_gmoffice@indiacementsco
- Phone : 04283-240387
- (f) Police Station : SANKARI
- (g) First opening date : 21/03/1995
- (h) Weekly day of rest : SUN
2. Address for : SANKARI WEST
correspondance : SANKARI WORKS
SALEM - 636303
3. (a) Lease Number : TMN0059
- (b) Lease area : 54.18
- (c) Period of lease :
- (d) Date of Expiry : 31/03/2030
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
 coromandel towers, 93
 santhome high road,
 chennai-26. CHENNAI CITY
 TAMIL NADU
 Phone: 04283-240387
 FAX : 04283-240387

Mining Engineer

Name : M.PALANI KUMARESAN,Full Time
 Qualification : BE(MINING)
 Appointment/ : 09/09/2020
 Termination date

Geologist

Name : R. Gopisubramanian,Full Time
 Qualification : M.Sc Geology
 Appointment/ : 08/10/1982
 Termination date

Manager

Name : S. NATARAJAN
 Qualification : B.E MINING
 Appointment/ : 10/12/2018
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Fresh under rule 22 MCR1960 09/08/1990
 MP modif under 17(3) MCR 2016 29/11/2016
 MP review under 17(1) MCR 2016 07/12/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	Mine is fully explored under G1-level
1b	Exploration over lease area for geological axis 1 or 2	NIL	NIL	Entire Lease area already explored to G1 level.
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	Entire Lease area already explored to G1 level.
1e	Balance reserve as on 01/04/20	--	3.93 Million Tonnes	NIL
1f	General remarks of inspecting officers on geology, exploration etc	---	---	Entire Lease area already explored to G1 level.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern direction of ML area E 806670-807142 N 1269630-1269950	Northern direction of ML area E806682-807043 N1269650-1269900	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB,Topsoil-NIL	OB,Topsoil-NIL	No separate benches for topsoil and OB
2c	Stripping ratio or ore to OB ratio	1:2.18	1:2.28	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	372000 tons	421915 tons	To cover backlog development.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	—	—	The waste generation more to cover backlog development.

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	2022-23=449800	2022-23=436473	NIL
3c	Recovery of sailable/usable mineral from ROM production	269880 tonnes.	261883 tonnes.	NIL
3d	Quantity of mineral reject generation	179920 tonnes.	174589 tonnes.	NIL
3e	Grade of mineral rejects generation and threshold value declared.	CaO < 34 %	CaO < 34 %	NIL
3f	Quantity of sub grade mineral generation.	NIL	NIL	NIL
3g	Grade of sub grade mineral generation	NIL	NIL	NIL
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.	NIL	NIL	NIL

3j	Provision of drilling and blasting in mineral benches	Rock breakers in combination with conventional / controlled blasting are practiced in this mine. Drilling machine is deployed to drill 32-45 mm diameter holes and also 115 mm diameter holes.	As per proposal only.		NIL
3k	Provision of mining machineries in mineral benches	Provision made for deployment of HEMM on mineral benches.	As per proposal only.		NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the bench 10m.proposed.	As per proposal benches maintained.		NIL
3m	Total area covered under excavation/pits	27.94 Hc.	27.94 Hc.		NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:2.18	1:2.28		NIL
3o	Total area put in use under different heads at the end of year	Mining- 27.94 Ha Dump- 9.52 Infrastructure & Road-1.96 Non mining& Green Belt - 14.61	Mining- 27.94 Ha Dump- 9.52 Infrastructure & Road- 1.96 Non mining& Green Belt - 14.61		NIL
3p	Production of ROM mineral during the last five year period as applicable	2018-19 447250 tonnes 2019-20 449928 tonnes 2020-21 450400 tonnes 2021-22 448498 tonnes 2022-23 449800 tonnes.	2018-19 411707 tonnes 2019-20 423959 tonnes 2020-21 449993 tonnes 2021-22 448489 tonnes 2022-23 436473 tonnes		NIL

3q General remarks _____ Satisfactory.
of inspecting
officers on
method of mining
etc.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	North Western side of the pit E 806618-806710, N1269910-1270110	E 806619-806709 N1269910-1270110	NIL
4b	Location of topsoil, OB and mineral reject dumps	North Western side of the pit E 806618-806710 N1269910-1270110	E 806619-806709 N1269910-1270110	No separate dumps for topsoil, Ob & only for Mineral Reject
4c	Number of dumps within lease area and outside of lease area	Within Lease Area - 2	2	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	E 806618-806710 N1269910-1270110	E 806619-806709 N1269910-1270110	NIL
4e	Number of active and alive dumps.	1	1	with in lease area.
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.	garland drains made.	NIL
4i	Length of Retaining wall or garland drain all along dumps	100m	150m	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.	NIL	Minimng operations continuing.	Mineral not exhausted.
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)	NA	NIL	No topsoil generated.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	—	—	Mine workings not matured for backfilling and reclamation.

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	Mining operations continuing .
6c	afforestation done (ha).	0.13 Hc.	0.15 Hc.	NIL

6d	No. of saplings planted during the year	100	120	NIL
6e	Cumulative no .of plants	4571	4591	NIL
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	Rs. 50000	Rs.60000	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.	NIL	NIL	NIL
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal.	No wasre land.	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 ,proposed.	Quarterly monitoring done by private agency and TNPCB.	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	—	—	Mining operations are continuing, mineral not exhausted.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	269880 tonnes.	261883.54 tonnes.	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Entire ROM transported to plant.	As per proposal.	NIL
7c	Different grade of mineral sorted out at mines.	NIL	NIL	NIL
7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	—	—	No conservation problem, 100% ROM consumed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil generation.	NIL	NIL
8b	Concurrent use or storage of topsoil	No top soil	No top soil	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	waste dump on westren side of lease area. No topsoil, reject dumps.	As per proposal.	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)	NIL	NIL	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	4571	4591	upto end of 2022-23.
8g	Survival rate	90%	85%	NIL
8h	Water sprinkling on roads to control airborne dust	proposed.	Water tanker used for water srinkling.	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.	Monthly and Annual returns submitting regularly.	NIL
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	M. PalaniKumaresa n(Mining Engineer, S. Natarajan(Manager Mines), R.Gopisubraman ian(Geologist	Mines manager, mining engineer present. M. PalaniKumaresan(Mining Engineer, S. Natarajan(Manager Mines), R.Gopisubramanian(Geolog ist	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given.	Mining- 27.94 Ha Dump- 9.52 Infrastructure& Road- 1.96 Non mining& Green Belt - 14.61	NIL
9d	Scrutiny of Annual return on afforestation	Details given.	120 saplings planted during 2022-23.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	No mineral reject generation.	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given.	261883.54 tonnes.	NIL.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Details given.	Ex. Mine price=Rs 377.16 Cost of production Rs 504.33	Mine workings at deeper levels.
9h	Scrutiny of Annual return on fixed assets	Details given.	Rs. 36043296	NIL
9k	Scrutiny of Annual return on mining machineries	Details given.	Rock drill-3 ,Back hoe-1,Front end loader-1, Dozer-1, Other HEM-3,Tipper-8.	NIL

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

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

Date :

(D.CHANDRA SEKHAR REDDY)

Indian Bureau of Mines