

**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 : **M017**) **Matiul Islam**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Mr. M. Palani Kumaresan, G.M (Mines)
Official with
Designation
- (iv) Date of Inspection : 21/11/2020
- (v) Prev.inspection date : 05/02/2020

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 : 21/03/1995
- (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 : 50
- (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
 CHENNAI CITY TAMIL NADU
 Phone:
 FAX :

Mining Engineer
 Name : S. Ramesh,Full Time
 Qualification : B.E.MINING
 Appointment/ : 10/12/2018
 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 : Fresh under rule 22 MCR1960 09/08/1990
 Plan/Scheme of Mining : MP modif under 17(3) MCR 2016 29/11/2016

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 to G1-level
1b	Exploration over lease area for geological axis 1 or 2	G-1	G-1	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	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	-	4.73 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	Northern direction of ML area E/W 806760-807200 N/S 1269740-1269920	Northern direction of ML area E/W 806760-807200 N/S 1269750-1269920	As proposed
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	No separate benches for topsoil and OB.
2c	Stripping ratio or ore to OB ratio	1:3.32	1:2.12	Within limit
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	-	-	Satisfactory

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	As proposed
3b	Quantity of ROM mineral production proposed	2015-16 = 276825 2016-17=309337 2017-18=449750 2018-19=447250 2019-20=449928 2020-21 = 450400	2015-16 = 276550 2016-17 = 309307 2017-18=422450 2018-19=411707 2019-20=423959 2020-21 = 327114*(upto Oct 2020)	Within limit
3c	Recovery of sailable/usable mineral from ROM production	2,69,957tns (60%)	2,54,375.440tns (60%)	Within limit
3d	Quantity of mineral reject generation	8,95,314 tns	5,38,325 tns	Within limit
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	Nil
3f	Quantity of sub grade mineral generation.	NA	NA	Nil
3g	Grade of sub grade mineral generation	NA	NA	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	Proposed	Carried out	As per plan
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-5nos	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Ore- 8 m Waste-3 m	Ore- 8 m Waste-3 m	As proposed
3m	Total area covered under excavation/pits	27.04 Ha	27.40 Ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:3.32	1:2.12	Within limit
3o	Total area put in use under different heads at the end of year	Mining- 27.34 Ha Dump- 6.85 Greenbelt- 2.26 Infrasturcure - 0.46 Non mining- 17.27	Mining- 27.750 Ha Dump- 8.310 Greenbelt- 2.66 Infrasturcure - 0.46 Non mining- 15	Nil

3p	Production of ROM mineral during the last five year period as applicable	2015-16 276825 2016-17 309337 2017-18 449750 2018-19 447250 2019-20 449928 2020-21 450400	2015-16 276550 2016-17 309307 2017-18 422450 2018-19 411707 2019-20 423959 2020-21 327114** (Up to Oct-20)	Within limits
3q	General remarks of inspecting officers on method of mining etc.	-	-	Satisfactory

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Western side of the pit - Rejects Only	Western side of the pit - Rejects Only	As per plan
4b	Location of topsoil, OB and mineral reject dumps	Western side of the pit - Rejects Only	Western side of the pit - Rejects Only	As per plan
4c	Number of dumps within lease area and outside of lease area	01	01	As per plan
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	As per mining plan	As per mining plan	Nil
4e	Number of active and alive dumps.	01	01	Within mining lease
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	1	1	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	As proposed
4i	Length of Retaining wall or garland drain all along dumps	Garland drain proposed	500 m	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.	NA	NA	Mining operation under progress
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	No topsoil encountered or available
5d	Total area fully reclaimed and rehabilitated	NA	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	YES	Submitted in time
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.25Ha	0.30Ha	For 2019-20

6d	No. of saplings planted during the year	200	263	For 2019-20
6e	Cumulative no .of plants	1000	2031	For Plan Period
6f	Any other method of rehabilitation	NA	NA	Nil
6g	Cost incurred on watch and care during the year	44000	50000	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 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	Nil	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)	Proposed	Carried out	Complied
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	Satisfactory

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	269957 te Dispatch proposed	254375 te Dispatched	Within limit
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	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	-	-	Satisfactory
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil	No topsoil	Nil
8b	Concurrent use or storage of topsoil	No topsoil	No topsoil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No	No	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	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)	Neem & Pungan	Neem, Tamarind, Palm, Dubai, Pencil, Jujibi, Naval and Poovarasana.	Nil
8g	Survival rate	-	90%	Nil

8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out	By 9kl water tanker
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	Given	Submitted in time	Nil
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given in Part-I, Sl 2	Manager S.Natarajan Mining Engineer in charge S.Ramesh Geologist in charge R. Gopisubramanian	Nil

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given in Part- I, Sl. 12	Under forest Outside forest Total (i) Already exploited & abandoned by opencast (O/C) mining 0.000 0.000 0.000 (ii) Covered under current (O/C) Workings 0.000 27.750 27.750 (iii) Reclaimed/Rehabilitated 0.000 0.000 0.000 (iv) Used for waste disposal 0.000 8.310 8.310 (v) Occupied by plant, buildings, residential, welfare buildings & roads 0.000 3.120 3.120 (vi) Other Purpose (NON MINING AREA) 0.000 15.000 15.000 (vii) Work done under progressive mine closure plan d	Nil
9d	Scrutiny of Annual return on afforestation	Given in Part V, Sec 4. Mining Operations during the year	.4 (i) Number of trees planted during the year (a) Within lease area 263 (b) Outside lease area 0	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given in Part V, Sec 4 - Mineral Rejects for Limestone	4.2 Opencast 4.2 (B) (ii) Mineral Rejects generated with grades (tonnes) a. Quantity 0 b. Grade 0	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given in Part VI, Sl 1 & 2	Category Opening stock (in tonne) Production (in tonne) Closing stock (in tonne) (a) Open Cast Workings 0.000 254375.440 0.000	Nil

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given in Part VI, Sl 2 & Part VII	Ex-Mine Price - Rs 531.91	Nil
9h	Scrutiny of Annual return on fixed assets	Given in Part II (A) (Capital Structure)	Net Closing Asset - Rs 20,10,30,632/-	Nil
9k	Scrutiny of Annual return on mining machineries	Given in Part V, Sec 5/6/8/9	Type of machinery Capacity of each unit No.of units Electrical/ Non-Electrical (specify) Used in opencast/ underground (specify) ROCK DRILL (NON-ELEC.) 115.000 MM 2 Non Electrical Opencast OTHER HEM MACHINERY 3.000 1 Non Electrical Opencast OTHER HEM MACHINERY 0.900 2 Non Electrical Opencast OTHER HEM MACHINERY 1.600 1 Non Electrical Opencast OTHER HEM MACHINERY 0.800 1 Non Electrical Opencast FRONT END LOADER 1.700 CUM 1 Non Electrical Opencast BACK HOE 1.000 CUM 1 Non Electrical Opencast DOZER	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 :

(Matiul Islam)

Indian Bureau of Mines