

**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 : **T003**) **S.THIRUNAVUKKARASU**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri.S.R.Ramesh DGM
Official with
Designation
- (iv) Date of Inspection : 14/10/2016
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHINNAGOUNDANUR(GONO.77(5**
- (b) **Registration NO.** :
- (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 :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** :
- (h) **Weekly day of rest** :
2. **Address for** : **SANKARI WEST**
correspondance : **SANKARI WORKS**
: **SALEM - 636303**
3. (a) **Lease Number** :
- (b) **Lease area** :
- (c) **Period of lease** :
- (d) **Date of Expiry** :
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

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|----------------------------|-------------------|------------------|
| 1a | Backlog of previous year | 4 Nos of Bore hole propose | Not acrried out | Violation issued |
| 1b | Exploration over lease area for geological axis 1 or 2 | Lease | lease | |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | nil | nil | |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | Nil | Nil | |
| 1e | Balance reserve as on 01/04/20 | | 5.59 millon tonns | |
| 1f | General remarks of inspecting officers on geology, exploration etc | nil | nil | |

Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|---------------------|---------------------|-----------------|
| 2a | Location of development w.r.t.lease area | Northwest of ML are | Northwest of ML are | |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | NIL | NIL | |
| 2c | Stripping ratio or ore to OB ratio | 1:2.2 | 1:2.5 | |
| 2d | Quantity of topsoil generation in m3 | Nil | NIL | |
| 2e | Quantity of overburden generation in m3 | 69700 | 604521 | up yto Aug 2016 |

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

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|----------------|
| 3a | Number of pit proposed for production | ONE | ONE | |
| 3b | Quantity of ROM mineral production proposed | 1370228 | 124740 | UP TO aUG 2016 |
| 3c | Recovery of sailable/usable mineral from ROM production | 774222 | 748284 | |
| 3d | Quantity of mineral reject generation | 596006 | 498856 | |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|--|--|---------|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | Separate dumping of topsoil, OB & mineral reject (Rule 32, 33) | Yes, dumping of topsoil, OB & mineral reject | |
| 4b | Location of topsoil, OB and mineral reject dumps | North west of ML area | North west of ML area | |
| 4c | Number of dumps within lease area and outside of lease area | Dumps within lease area | Dumping within lease area | |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | -- | -- | |
| 4e | Number of active and alive dumps. | one Number of active & alive dumps | one Number of active & alive dumps | |
| 4f | Number of dead dumps. | --- | --- | |

| | | | |
|----|--|--|--|
| 4g | Number of dumps established. | one Number of dumps stabilished | one Number of dumps stabilished |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | Retaining wall or garland drain all along dumps are proposed | Retaining wall or garland drain all along dumps are done as per the proposal |
| 4i | Length of Retaining wall or garland drain all along dumps | 500m | 500m |
| 4j | Number of settling ponds | one | one |
| 4k | Specific comments of inspecting officer on waste dump management | | waste dump management are found to be 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. | NIL | NA | |
| 5b | Area under backfilling of mined out area | NIL | NA | |
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | NIL | NA | |
| 5d | Total area fully reclaimed and rehabilitated | NIL | NA | |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | NIL | NA | |

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). | | | |
| 6b | Area available for rehabilitation (ha) . | 1.38 HECT | 2.4 HECT | |
| 6c | afforestation done (ha). | 1325 | 2000 | |
| 6d | No. of saplings planted during the year | nil | 14425 | |
| 6e | Cumulative no .of plants | | | |
| 6f | Any other method of rehabilitation | | | |
| 6g | Cost incurred on watch and care during the year | | | |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | NIL | NIL | |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area | NIL | NIL | |
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | | | |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | | | |

| | |
|----|---|
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) |
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. |

Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------|-------------|---------|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | 1370228 | 1247140 | |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | -- | -- | |
| 7c | Different grade of mineral sorted out at mines. | -- | -- | |
| 7d | Any beneficiation process at mines | -- | -- | |

7e General remarks of inspecting officer on Mineral conservation and beneficiation issues -- --

Environment:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--------------------|---|---------|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No topsoil | No topsoil | |
| 8b | Concurrent use or storage of topsoil | No topsoil | No topsoil | |
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | Yes | Yes | |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No | No | |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | no | No | |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | | existing plantation 1325 ,additional plantation 2000. | |
| 8g | Survival rate | 90 % Survival rate | Survival rate os observed about 90% | |

| | | | |
|----|--|--|---|
| 8h | Water sprinkling on roads to control airborne dust | Water sprinkling on roads to control airborne dust | Yes, Water sprinkling on roads to control airborne dust are done. |
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | | The aesthetic beauty in and around mines area are good. |

Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|---|--------------------------------------|---------|
| 9a | Status of submission of Monthly and Annual returns | | | |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Mining Engineer - InfantJerome (BE Mining), Geologist - R.Gopisubramanian.M.Sc Geology | Observe as reported in Annual return | |
| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | As per the approved palnl the use pattern for area under pits, reclaimed area, dumps etc. | As per the approved palnl | |
| 9d | Scrutiny of Annual return on afforestation | As per the appoved plan | No deviation | |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | -- | --- | |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | | -- | |

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 :

(S. THIRUNAVUKKARASU)

Indian Bureau of Mines