

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

Review and updation of Mining Plan REPORT

Chennai regional office

Mine file No : TN/TNL/LST-7B.MDS

Mine code : 38TMN15009

- (i) Name of the Inspecting : S011) SALIL SANDIP KUJUR
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : MR. JIJU -GEOLOGIST, MINE MANAGER
Official with
Designation
- (iv) Date of Inspection : 26-OCT-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : NANJAKULAM (G.O.681)
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TAMIL NADU
- District : TIRUNELVELI
- Village : RAMAYANPATTI
- Taluka :
- Post office : SANKARNAGAR
- Pin Code :
- FAX No. :
- E-mail :
- Phone :
- (f) **Police Station** :
- (g) **First opening date** : 01-JAN-48
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** :
3. (a) **Lease Number** : TMN0152
- (b) **Lease area** : 2.19
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 09-OCT-15
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 : Sri R.K.Das,M/s India Cements Ltd.,
DHUN BUILDING IV th Floor,
827, ANNA SALAI CHENNAI
CITY TAMIL NADU
Phone:
FAX :

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 18-FEB-14
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Crystalline Limestone of complex nature, exploration done by Bore holes	Crystalline Limestone of complex nature, exploration done by Bore holes.	NIL
1b	Exploration over lease area for geological axis 1 or 2	The entire mining lease area is proved as G1 category	The entire mining lease area is proved as G1 category.	NIL
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	NIL
1e	Balance reserve as on 01/04/20	The entire mining lease area is proved as G1 category	The entire mining lease area is proved as G1 category	NIL

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Southern side of mining lease area from RL 43 to 27	No mining operation during 2017-18	NIL
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	YES	YES	NIL
2c	Stripping ratio or ore to OB ratio	Deep hole drilling and blasting	No mining operation during 2016-17	NIL
2d	Quantity of topsoil generation in m3	NIL	NIL	NIL

2e	Quantity of overburden generation in m3	77505 Ts	NIL	NIL
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	NIL	NIL	SATISFACTORY.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1	NIL	NIL
3b	Quantity of ROM mineral production proposed	32700 Ts	NIL	NIL
3c	Recovery of sailable/usable mineral from ROM production	25395 Ts	NIL	NIL
3d	Quantity of mineral reject generation	NIL	NIL	NIL
3e	Grade of mineral rejects generation and threshold value declared.	NIL	NIL	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		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	Deep hole drilling and blasting	No mining operation during 2017-18	NIL
3k	Provision of mining machineries in mineral benches	Compressor - 1 Nos Wagon Drill - 1 Nos PC 300 - 1 No Tipper - 5 Nos Dumper - 2 Nos Dozer - 1 Nos	No mining operation during 2017-18	NIL
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	8.408 Ha	7.099 Ha	NIL
3n	Ore to OB ratio for the pit/mine during the year.	1:3.05	NIL	NIL
3o	Total area put in use under different heads at the end of year	14.711 Ha	13.401 Ha	NIL
3p	Production of ROM mineral during the last five year period as applicable	2013-14 - 25550 Ts 2014-15 - 31960 Ts 2015-16 - 25012 Ts 2016-17 - 25140 Ts 2017-18 - 25395 Ts	2013-14 - 3406.8 Ts 2014-15 - 9341.8 Ts 2015-16 - Nil 2016-17 - Nil 2017-18 - Nil	NIL
3q	General remarks of inspecting officers on method of mining etc.	NIL	NIL	SATISFACTORY.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no topsoil and mineral reject generated from this mine. The OB generated from this mining lease area is proposed dump in separately	NIL	NIL
4b	Location of topsoil, OB and mineral reject dumps	Benches are formed in the southern part of ML area from 43RL to 27RL	NIL	NIL
4c	Number of dumps within lease area and outside of lease area	one dump present in within the lease area	one dump present in within the lease area	NIL
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps are located outside of UPL	Dumps are located outside of UPL	NIL
4e	Number of active and alive dumps.	1	1	NIL
4f	Number of dead dumps.	NIL	NIL	NIL
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	The dumps are active, so there is no garland drain constructed around dumps	The dumps are active, so there is no garland drain constructed around dumps	NIL
4i	Length of Retaining wall or garland drain all along dumps	Dumps are active	Dumps are active	NIL
4k	Specific comments of inspecting officer on waste dump management	NIL	NIL	SATISFACTORY, BUT MINES IS NOT IN OPERATION DUE TO E.C

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	NO PROPOSAL	NA	NIL
5b	Area under backfilling of mined out area	NO PROPOSAL	NA	NIL
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	N.A	NIL
5d	Total area fully reclaimed and rehabilitated	No proposal	N.A	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	N.A	N.A	SATISFACTORY, BUT MINES IS NOT IN OPERATION DUE TO E.C

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	Submitted	NIL
6b	Area available for rehabilitation (ha) .	It is proposed to utilise the mined out pit for rain water harvesting at the end of life of mine	Presently rain water temporarily stored in mine sump for plantation development	NIL
6c	afforestation done (ha).	One terrace is proposed in waste dump	1	NIL
6d	No. of saplings planted during the year	I) 50 Nos II) 0.050 Ha III) Development of Plantation along UPL	I) 50 Nos II) 0.050 Ha	NIL

6e	Cumulative no .of plants	Survey proposed to carryout in 4 seasons in 3,1,2 & 1 location in respect of Ambient air quality, Water quality, Noise Level & Soil Quality respectively	Survey contacted in 4 seasons in 3,1,2 & 1 location in respect of Ambient air quality, Water quality, Noise Level & Soil Quality respectively	NIL
6f	Any other method of rehabilitation	NIL	NO	NIL
6g	Cost incurred on watch and care during the year	NIL	NIL	NIL
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	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	NA	NO AREA	NIL
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NIL	WATER ONLY IN MINE SUMP	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	NO LAND	NA	NIL
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	NIL
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	NIL
6p	Compliance of environmental monitoring (core zone and buffer zone)	YES	BEING MONITORED QUARTERLY	NIL
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	NIL	NIL	SATISFACTORY, BUT MINES IS NOT IN OPERATION DUE TO E.C

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	The interstitial waste rocks separated mechanically during loading.	No mining operation during 2017-18	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	The interstitial waste rocks separated mechanically during loading	No mining operation during 2017-18	NIL
7c	Different grade of mineral sorted out at mines.	Cement grade and magnesia limestone	No mining operation during 2017-18	NIL

7d	Any beneficiation process at mines	NIL	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	NA	SATISFACTORY, BUT MINES IS NOT IN OPERATION DUE TO E.C

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no topsoil generated in the mines	There is no topsoil generated in the mines	MINES IS NOT IN OPERATION DUE TO E.C
8b	Concurrent use or storage of topsoil	There is no topsoil generated in the mines	There is no topsoil generated in the mines	MINES IS NOT IN OPERATION DUE TO E.C
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	YES	AS PROPOSED	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NO PROPOSAL	NA	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NO PROPOSAL	NA	NIL
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	50 Nos plantation.	50 Nos plantation.	NIL

8g	Survival rate	90%	70%	NIL
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road is practiced	FOLLOWED	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	NA	SATISFACTORY

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	NIL
9d	Scrutiny of Annual return on afforestation	NIL	NIL	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NIL	NIL	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	NIL	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	NIL	NIL	NIL
9h	Scrutiny of Annual return on fixed assets	NIL	NIL	NIL
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	MINES IS NOT IN OPERATION DUE TO E.C

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 :

(SALIL SANDIP KUJUR)

Indian Bureau of Mines