

**MCDR INSPECTION REPORT
NANJANKULAM REGROUPED LIME STONE MINE**

	Name of the inspecting officer designation	Mr. G.C.SETHI, Regional Controller of Mines, Chennai Region
	Date of inspection:	18.11.2024
	Accompanied mine official and designation	Mr. K.N.Jiju, (Manager – Geology) Mr. M.Nanthakumar, (Asst.Manager – Geology) Mr.K.S.Vinayakumar,(Asst.Manager – Mines)
	Mine file No.	
S.N	Particulars	Details
1	Name of the Mine	NANJANKULAM REGROUPED LIMESTONE MINE – G.O.No.813
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	28.430(Non Forest)
3	Minecode	38TMN15006
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/613/2011
5	Name of the lessee, Address, phone, email and fax number	The India Cements Limited, Sankarnagar Post, Tirunelveli District. Tamil Nadu Pin-627357 Phone: 0462-2300221 to 2300226 Email : skn_geology@indiacements.co.in
6	Village	RAMAYANPATTI
7	Taluka/Mandal	TIRUNELVELI
8	District	TIRUNELVELI
9	Pin code	627357
10	State	TAMILNADU
11	Post office	RAMAYANPATTI
12	Nearest police station	MANUR
13	Nearest Railway station	TALAIYUTHU RAILWAY STATION
14	Date of Grant of Mining Lease	28.04.1962
15	Date of Execution	18.10.1962
16	Date of opening of Mine	18.10.1962
17	Date of first Renewal, if applicable and its period & expiry	The lease was first renewed vide GO No 526 dated 02.05.1983 for 5 years The lease expired on 17.10.1997
18	Date of second Renewal, if applicable and its period & expiry	The lease was second renewed vide GO No 813 dated 03.12.1987. The lease period was extended up to 31.03.2030 as per MMDR Amendment act 2015 vide G.O.(D). No.15 dt.05.10.2023.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and Date of appointment	MR.V.M.Mohan, Nominated Mine Owner, The India cements Limited, Corporate Office, Coromandel towers,93,Santhom high road, Karpagamavenue,R.APuram,Chennai-600026: Date of Appointment: 01.11.2023
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri. K.Saravanamuthu, Plant In-Charge The India Cements Limited, Sankarnagar – 627 357. Phone- 0462 – 2300595 Email-skn_gmoffice@indiacements.co.in

		Date of appointment: 07.06.2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. G.Rajesh, Sr, Manager(Mines) The India Cements Limited, Sankarnagar, Tirunelveli District, Pin-627357 Phone: 8015406760 Date of Appointment:03.07.2024
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr.V.S.Sendhura chezian The India Cements Limited, Sankarnagar, Tirunelveli District, Pin-627357 Date of Appointment:03.07.2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55&carrying out their duties as per rule 56&55.	Mr. M.Nanthakumar The India Cements Limited, Sankarnagar, Tirunelveli District, Pin-627357 Date of Appointment:03.07.2024
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	The mining plan TN/TNL/MP/LST-06-MDS Dt: 19.01.1989 The mining plan TN/TNL/MP/LST-928.MDS Dt: 06.02.1997
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Scheme of Mining: TN/TNL/Lst/MS /155/SZ Dt. 30.04.2003 TN/TNL/LST/MS-507-SZ Dt. 22.07.2009 TN/TNL/LST/MS-871-SZ/1898 Dt. 06.11.2013 Review of mining plan: TN/TNL/LST/ROMP-1418.MDS Dt: 29.05.2017, TN/TNL/LST/ROMP-1673.MDS Dt. 05.11.2021. Validity period from 2022-2023 TO 2026-2027.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast,Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Captive

II - OBSERVATION AND COMMOND OF INSPECTING OFFICER

Exploration

S.N	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No Proposal	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Geological axis-1	Geological axis-1	Mine is fully explored under G1 level
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	Nil	Entire area has been explored under G-1 category with 200m X 200m grid interval.
1e	Balance reserves as on 01.04.2024 (111+121 Category)	17.36 million tons as per the RoMP approved on	385414 tons of production during 2023-	

		05.11.2021 for the proposed period from 2022-23 to 2026-27	24.	Cement Grade Limestone.
1f	General comments of inspecting officer on geology, exploration etc.	It is belongs to Archaean age.	41 boreholes have been drilled so far. Entire area has been explored up to G1 level.	The mine is non-working from 2015. Reopened on 03.07.2024

Development

S.N	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area(Ref With Grid)	Northern Side of ML area E/W 794900-795050 N/S 973550-973600	Nil	Violation has been issued under Rule 11(1)
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate benches have been proposed.	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1:0.82	Nil	Nil
2d	Quantity of topsoil generation	No Proposal	Nil	Nil
2e	Quantity of overburden generation	71993 Tonnes of OB has been proposed	Nil	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The mine is non-working from 10.12.2015.	Form -C Notice has been submitted to this office.	Mine Reopened on 03.07.2024.

Exploitation

S.N	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	Single Pit	Nil	Nil
3b	Quantity of ROM mineral production proposed in tonnes	385414 tons	Nil	The mine is non-working from 2015.
3c	Recovery of salable/usable	251709 tons	Nil	The mine is

	mineral from ROM production			non-working from 2015.
3d	Quantity of mineral reject generation	133705 tons	Nil	The mine is non-working from 2015.
3e	Grade of mineral reject generation and threshold value declared	CaO < 34 % and threshold value for Limestone CaO < 34 %	Nil	Nil
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	Not Applicable
3g	Grade of sub-grade mineral generation	No Proposal	Nil	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Nil	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not applicable	No beneficiation is carried out	Not Applicable
3j	Provision of drilling & blasting in mineral benches	Deep hole drilling and blasting proposed	Nil	The mine is non-working from 2015.
3k	Provision of mining machineries in mineral benches	Compressor - 1 No Wagon Drill - 1 No PC 200 - 1 No PC 200 with - 1 No Breaker attachment Tipper - 10 Nos	Nil	The mine is non-working from 2015.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of the bench Ore- 10 m OB/Waste-10 m	Nil	Nil
3m	Total area covered under excavation/pits	11.809Ha	11.031 Ha	Due to non-working the proposed area is not achieved.
3n	Ore to OB ratio for the pit/mine during the year	1:0.82	Nil	Nil
3o	Total area put in use under different heads at the end of year	Land use Pattern as on 01.04.2024. Mines = 11.809 hect	Land use Pattern as on 01.04.2024. Mines =	Due to non-working the proposed area is not achieved.

				11.031hect	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20	381330	Nil	The mine is non-working from 2015.
		2020-21	478418	Nil	
		2021-22	398743	Nil	
		2022-23	391636	Nil	
		2023-24	385414	Nil	
3q	General Remarks of inspecting officer on method of mining etc.	The mine is non-working from 10.12.2015.	Form –C Notice has been submitted to this office.	Mine Reopened on 03.07.2024.	

Solid Waste Management-Dumping

S.N	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Dump proposed for OB & mineral rejects	Nil	The mine is non-working from 2015.
4b	Location of topsoil, OB & mineral reject dumps	South West side of ML area	Nil	Nil
4c	Number of dumps within lease area and outside lease area	03	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Nil	Nil
4e	Number of active & alive dumps	03	Nil	Nil
4f	Number of dead dumps	No Proposal	Nil	Nil
4g	Number of dumps stabilized	No Proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Nil	Nil
4j	Number of settling ponds	No Proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	The mine is non-working from 10.12.2015.	Form –C Notice has been submitted to this office.	Mine Reopened on 03.07.2024.

Solid Waste Management – Backfilling

S.N	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Backfilling has been proposed.	No backfill done	Nil

5b	Area under backfilling of mined out area	No Proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	Nil
5e	General Remarks of inspecting officer on backfilling, reclamation etc	Nil	No backfill done	Nil

Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly – Rule 23E(2)	Yes	Submitted	PMCP report for the year 2023-24 has been submitted
6b	i) Area available for rehabilitation (ha)	Nil	Nil	Nil
6c	Afforestation done (ha)	0.5 Ha	Nil	Nil
6d	No. of saplings planted during the year	500 nos of saplings	Nil	Nil
6e	Cumulative no. of plants	91	91	Nil
6f	Any other specific method of rehabilitation	Nil	Nil	Nil
6g	Cost incurred on watch & care during the year	1.45 lakhs	1.45 lakhs	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii)Void filled by waste/tailings	No proposal	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on the backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No proposal	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No proposal	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease ii) Area rehabilitated (ha)	No proposal	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease iii) Method of rehabilitation	No proposal	Nil	Nil
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Survey proposed to carryout in 4 seasons for	Monitoring carried out	Nil

		Ambient air quality, Water quality, Noise Level & Soil Quality respectively		
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The mine is non-working from 10.12.2015.	Form –C Notice has been submitted to this office.	Mine Reopened on 03.07.2024.

Mineral Conservation

S.N	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	385414 tons	Nil	The mine is non-working from 2015.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised method	Nil	Nil
7c	Different grade of mineral sorted out at mines	Cement grade Limestone	Nil	Nil
7d	Any beneficiation process at mines	No proposal	Nil	Nil
7e	General Remarks of inspecting officer on Mineral conservation & beneficiation issues	The mine is non-working from 10.12.2015.	Form –C Notice has been submitted to this office.	Mine Reopened on 03.07.2024.

Environment

S.N	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	There is no topsoil generated in the mines	Nil	Nil
8b	Concurrent use or storage of topsoil	There is no topsoil generated in the mines	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dump proposed for OB & mineral reject	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	500 Nos	Nil	Nil
8g	Survival rate	95%	Nil	Nil

8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul road	Nil	Nil
8i	General Remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is non-working from 10.12.2015.	Form –C Notice has been submitted to this office.	Mine Reopened on 03.07.2024.

Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Submitted		Returns are submitted in online
S.N	Item	-	-	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9d	Scrutiny of Annual return on afforestation	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9h	Scrutiny of Annual return on fixed assets	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024
9i	Scrutiny of Annual return on mining machineries Name of the Machinery Capacity	Nil	Nil	The mine is non-working from 2015. Reopened on 03.07.2024

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

Violation has been pointed out on 29.11.2024 under Rule 11(1) for deviation of working

G.C.Sethi
Regional Controller of Mines