

**REPORT ON CHECK MCDR INSPECTION OF
ADANAKURICHI LIMESTONE MINE DISTRICT:ARIYALUR**

Name and designation of inspecting officer: V. Jayakrishna Babu
Controller of Mines (SZ)
Date of Inspection : 30-05-2022

1. General information of the mine :

i	Name of mine	:	Adanakurichi Limestone Mie
ii	Owner	:	The India Cements Ltd
iii	Nominated owner	:	Smt. Lakshmi Aparna Sreekumar
iv	Mining Engineer	:	Shri. S. Anandakumar
v	Agent	:	Shri. T. Balasubramanian
vi	Mine Manager	:	Shri. G. Balu
vii	Lease area	:	160.73.0 Ha.
viii	Location	:	Village: Alathiyur, District :Ariyalur, State :Tamilnadu
ix	Lease period	:	50 Years, (As per MMDR Amendment Act)
x	Date of Expiry	:	05.06.2056
xi	Date of approval of mining plan	:	17.02.2005
xii	Date of approval of scheme/RMP	:	11.11.2020
xiii	Period of Mining Plan/ Scheme of Mining/RMP	:	2021-22 to 2025-26
xiv	Production (last 3 years)	:	ROM/Limestone 2019-20 - 277800.600 Ts./ 229110.60 Ts 2020-21 - 233410.990 Ts./ 210430.99 Ts 2021-22 – 225116.420 Ts./190941.22 Ts
	Mineral rejects generated		34175.Ts
	Dispatches		190941 Ts

2. Brief Description of the mine :

a) A brief description of the mine covering location, geology, problems associated with mining of the deposit etc. may be given.

Adanakurichi limestone mine is one of the captive mine supplying raw material limestone to the M/s The India Cements Ltd., Dalavoi works, Cement Nagar. The mine is located 2.5 kms away from factory premises and it is situated in the revenue village of Alathiyur village, Sendurai Taluk in Ariyalur District of Tamil Nadu.

The area in and around Alathiyur belongs to the Niniyur stage of the cretaceous system of Trichy area. The Niniyur formation was traced over a strike length of 12 kms, from south Anandavadi to near Mathur where it is overlapped by sandstone belonging to Cuddalore formation, further Northeast after a gap of about 5kms it is traced over a strike length of about 5.7kms in the Tamarai poondi – Alathiyur area. Thus rock formations of Trichy area are of marine sedimentary origin and consist of limestone, shell limestone, sand stone, clay and marl:

a) Description on deployment of mining machinery given in the following format:

Sl. No	Machineries Deployed	Capacity	No. of Units	In use	Ideal	Percentage of utilization	Brief Description	Remarks
1	2	3	4	5	6	7	8	9
1	Surface Miner	400 TPH	1	1	0	54%	-	-
2	Shovel	200 TPH	1	1	0	67%	-	-
3	Tipper	21 Tons	15	15	0	69%	-	-
4	Water Tanker	12 Tons	1	1	0	70%	-	-

2. Implementation of Mining Plan or Scheme of Mining/RMP:

Sl.No	Proposals in the approved Mining plan or Scheme of Mining /RMP		Observations regarding implementation of proposals given in approved Mining Plan or Scheme of Mining	Remarks
1	CONSERVATION OF MINERALS			
a)	Exploration:	No proposal for the year 2021-22	Nil	116 Exploration boreholes were drilled with total meterage of 5917.75m with 100m*100m grid interval .
b)	Utilisation of sub-grade mineral:	No proposal for the year 2021-22	Nil	No sub grade mineral is reported.
c)	Any other proposals for monitoring	Nil	Nil	None.
2	SCIENTIFIC MINING			
a)	Mine Development and method of mining-			
	Production:	ROM =346437 Ts LST =311793 Ts	ROM=225116Ts LST =190941 Ts	Less production due to low intake of captive cement plant.
b)	Handling of Waste/ subgrade material -	34644 Ts	34175 Ts.	None.
c)	Area reclamation & rehabilitation:	1.50 Ha.	0.80 ha.	50% area is only reclaimed by back filling.
3	PROTECTION OF ENVIRONMENT			
a)	Afforestation:	1.50.0	0.80.0	1000 saplings planted durig the yer. Surival is moderate.
b)	Quality of air –	Periodically monitoring of air quality	Periodically monitored	Ambient air quality is being monitored and all are within the prescribed limits. Water sprinkling is being done.
c)	Quality of water –	Periodically monitoring of water quality	Periodically monitored	Ground Water: Monitoring Periodically and values are within the prescribed limits.
d)	Noise level –	Periodically monitoring of Noise level	Periodically monitored	Noise levels monitored and values are within the prescribed limits.
e)	Vibration –.	---	---	-
f)	Any other proposal for monitoring	---	---	-

3. History of Violations after approval of Mining Plan or Scheme of Mining/RMP for last 3 years:

Sl.No	Date of inspection	Name of inspecting officer	Violations of MCDR, 2017 observed and pointed out	Rectification of violations	Remarks
1	28.07.2021	G.C.Sethi , RCOM	(i)There was a proposal to produce 16,37,726 tonnes of Limestone in the year 2020-21, against the approved proposal only 210430 tonnes of Limestone was produced during the said year.	Company had produced 2,10,430 tonnes of Limestone in the year 2020-21 as against the proposed quantity of 16,37,726 tonnes. The Scheme of mining for the period 2016-17 to 2020-21 was prepared based on our cement plant expansion project. The shortage in the production was due to less requirement of limestone from our cement plant as the expansion project was postponed and COVID-19 pandemic/lockdown impact.	
			(ii) There was a proposal to generate 48,57,138 tonnes of waste in the year 2020-21, against the approved proposal only 16,48,060 tonnes of waste has been generated during the said year.	Company had removed 16,48,060 tonnes of waste as against the proposed quantity of 48,57,138 tonnes of waste in the year 2020-21 due to less production of limestone from this mine.	
			(iii)There was a proposal to backfill an extent of 5.06 hectare in pit no.3 in the year 2020-21, against the approved proposal back filling carried-out only in 0.60 hectare in the said year.	Back filling was carried out in 0.60.0 hectare as against the proposed extent of 5.06 hectare in pit no.3 in the year 2020-21. The actual waste removed was restricted to 16,48,060 tonnes as against the proposed quantity of 48,57,138 tonnes due to less production of limestone.	

4. Socio-Economic Development Plan :

Sl. No.	Proposed Action Plan towards socio Economic Development	Expenditure proposed (In Rs, Lakh)	Expenditure incurred (in Rs, Lakh)	Remarks
1	General Development in the area		---	
	i) Housing		---	
	ii)		---	
	iii) Water Supply		0.10	
	iv) Sanitation		1.15	
	iv Health, Safety and Medical Facilities		0.05	
2	Education and Training		0.77	
3	Employment to local inhabitants		---	
4	Public Transportation and communication		0.10	
5	Recreation and other sports activities		0.15	
6	Expenditure for environment management		---	
7	Other(SDF)		2.36	
8	Total		4.68	

5. Observations/ remarks on the earlier inspection carried out by sub-ordinate officer(s) with specific thrust on systematic and scientific mining, mineral conservation and environmental protection and other sensitive/important aspects pertaining to the mine area or surroundings (CRZ/ Western Ghats/ Wildlife Sanctuaries etc.):

- i) Name of inspecting officer: Shri. GC Sethi, RCOM
ii) Date and Type of inspection: 28/07/2021
iii) Observations/Remarks w.r.t. the inspection carried out by the sub-ordinate officer(s) and shortfalls in the inspection report, if any, thereof: None.

(V.J.K.Babu)
Controller of Mines (SZ)

Place:
Date:.