

CHECK INSPECTION OF ALATHIYUR LIMESONE MINE (38 TMN 24041) OF M/S THE RAMCO CEMENTS LIMITED IN ARIYALUR DISTRICT OF TAMILNADU STATE.

Name and designation of inspecting officer : V.JAYAKRISHNA BABU,
CONTROLLER OF MINES (SZ)

Date of Inspection : 31/05/2022

1. General information of the mine

(i) Name of the mine : ALATHIYUR LIMESTONE MINE
(ii) Owner : THE RAMCO CEMENTS LIMITED
(iii) Nominated owner : P.R.Venketrama Raja
(iv) Mining Engineer : Kattkuri Aravind Reddy
(v) Agent : Ashish Kumar Srivastava
(vi) Mine Manager : S.Duraimurugan
(vii) Lease area : 14.68.5 Ha
(viii) Location : Manakudayan
(ix) Lease period : 50 Years
(x) Date of Expiry : 18.10.2054
(xi) Date of approval of Mining Plan : 06/01/1999 & Mod. in MP on 12/08/2005
(xii) Date of approval of Review of Mining Plan : 05.12.2018
(xiii) Period of Mining Plan/ Review of Mining Plan : 2019-20 to 2023-24
(xiv) Production last 3 Years. : 2020-21 : 38,850 Ts
2019-20 : 48,507 Ts
2018-19 : 26,084 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.

(1) Location:

Name of the Mine	Alathiyur (Manakudayan) Limestone Mine.
GO & Date of Grant of Lease	Rc. No.16940/MM4/2000 dated 31.03.2004 over an extent of 14.68.5 Ha in Manakudayan village, Sendurai Taluk, Ariyalur District. Lease period: 19.10.2004 to 18.10.2054
Name of the Lease Holder	M/s The Ramco Cements Limited (Formerly known as Madras Cements Ltd.,)
Postal address	M/s The Ramco Cements Limited, Alathiyur Works Cement Nagar Post, Sendurai Taluk, Ariyalur District, Tamilnadu – 621 730
Nearest villages	Tular, Manakudayan, Adhanakurichi, Marungur
Nearest Railway station	Mathur
Nearest police station	Dalavoi
Nearest Airport	Trichy

(2) Geology:

Alathiyur mine limestone is sedimentary in origin. It is highly varied and heterogeneous with frequent Marl intercalations. Based on the stratigraphic sequence, the limestone in Alathiyur falls under the Niniyur formation of Cretaceous age. The formation strikes N25° E dipping 4° to 5° towards South east. The thickness of overburden increases towards south-eastern side. The Limestone persists to a maximum depth of around 27 mts. The limestone and Calcareous marl of sub-grade material form alternate layers. In the eastern side, a separate large marl band occurs in the middle of the deposit.

(3) Problems associated with mining of the deposit etc. – Nil

(b) Description on deployment of mining machinery

Sl. No.	Machineries deployed	Capacity	Number of units	In use	Idle	Percentage of utilization	Brief description	Remarks
1	2	3	4	5	6	7	8	9
1	SHOVEL (HYDRAULIC)	0.900 CUM	1	1	-	80	-	-
2	TIPPER	12.000 CUM	4		-	85	-	-

3. Implementation of Mining Plan or Review of Mining Plan:

Sl.No.	Proposal in the approved Mining Plan or Scheme of Mining (period from 2018-19 to 2022-23)	Observations regarding implementation of proposals given in approved Mining Plan or Review of Mining Plan.	Remarks/Reason for deviation
1	2	3	4
(1)	CONSERVATION OF MINERALS		
(a)	Exploration	As per Proposal, The entire mining lease area explored in G1 category	No deviation
(b)	Utilization of sub-grade mineral	No proposal	-
(c)	Any other proposal for monitoring	Nil	-
(2)	SCIENTIFIC MINING		
(a)	Mine Development and method of mining	, Development work is carried out as per Proposal	No deviation.
(b)	Handling of Waste/ sub-grade material	5,048 Tonnes for the period 01/04/2020 to 31/03/2021	-
(c)	Area reclamation & restoration	3.92 Ha upto 31/03/2021	-
(d)	Any other proposal for monitoring	Nil	-
(3)	PROTECTION OF ENVIRONMENT		
(a)	Afforestation	Within Lease 400 Nos	Survival 80%
(b)	Quality of air	For the PM 10 values were monitored which were in the range of 20 to 73 µg/m ³ . PM 2.5 values were in the range 10 to 40 µg/m ³ . SO ₂ levels were ranging from 6 to 13 µg/m ³ . NO _x levels were ranging from 7 to 16 µg/m ³ .	Within permissible the limit
(c)	Quality of Water	pH-7.72, Total Hardness – 280, Total dissolved solids-560	Within the permissible limit
(d)	Noise level	Mines area : L min - 34.6, L max – 88.1, Leq-43.2	Within the permissible limit
(e)	Vibration	-	-
(f)	Any other proposal for monitoring.	Nil	-

4. History of Violations after approval of Mining Plan or Scheme of Mining: 2020-21

SL No.	Date of Inspection	Name of inspecting officer	Violations of MCDR, 1988 observed and pointed out	Rectification of violations	Remarks
1	2	3	4	5	6
1	03/03/2022	Matiaul Islam , ACOM	None	-	-

Socio-Economic Development Plan:

Sl. No.	Proposed Action Plan towards socio-Economic Development	Expenditure proposed (In Rs. Lakh)	Expenditure Incurred (In Rs. Lakh)	Remarks
		3	4	5
1	2	-	-	-
	General Development in the area	-	-	-
(1)	(i) Housing	-	0.89	-
	(ii) Water Supply	-	0.36	-
	(iii) Sanitation	-	0.73	-
	(iv) Health safety and Medical Facilities	-	0.17	-
(2)	Education and Training	-	0.00	-
(3)	Employment to local inhabitants	-	0.42	-
(4)	Public Transportation and communication	-	0.12	-
(5)	Recreation and other sports activities	-	0.00	-
(6)	Expenditure for environment management	-	1.10	-
(7)	Other	-	3.79	-
	Total			

6. 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. Matuial Islam, ACOM

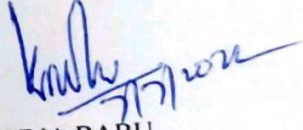
ii) Date and Type of inspection: 03/03/2022

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.

Place;

Date:

Name of the Officer
Designation


: V.JAYAKRISHNA BABU,
: CONTROLLER OF MINES