

**REPORT ON CHECK INSPECTION OF CHINNAPPATTAKADU LIMESTONE MINES OF M/s. DHANDAPANI CEMENTS PVT LTD IN ARIYALUR DISTRICT OF TAMILNADU STATE [PREPARED IN THE FORMAT, PRESCRIBED VIDE CCOM'S LETTER NO. 11013/35/MP/MISC/89-CCOM (Vol. III)]**

Name and designation of inspecting officer : G.C.SETHI, Regional Controller of Mines

Date of Inspection : 13.05.2023

**1. General information of the mine :**

(i) Name of the mine : Chinnappattakadu Limestone Mines  
(ii) Owner : M/s.Dhandapani Cements Pvt Ltd  
(iii) Nominated owner : S.Subramanian  
(iv) Mining Engineer : S.Kaiayarasan  
(v) Agent : S.Subramanian  
(vi) Mine Manager : G.Arunpandian  
(vii) Lease area : 4.93.0 hect  
(viii) Location : Chinnappattakadu Village, Ariyalur Taluk and District  
(ix) Lease period : 14.09.2011 to 13.09.2041  
(x) Date of Expiry : 13.09.2041  
(xi) Date of approval of Mining Plan : 17.03.2011  
(xii) Date of approval of Review of Mining Plan : 18.09.2020  
(xiii) Period of Mining Plan/ Review of Mining Plan : 01.04.2021 to 31.03.2026  
(xiv) Production (2021-2022) : 48,900 tons

**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	Chinnappattakadu Limestone Mine.
GO & Date of Grant of Lease	Rc.No.1979/MM1/2010 dated 24.06.2011 over an extent of 4.93.0 Hectares in Chinnappattakadu village, Ariyalur Taluk & District. Lease period: 14.09.2011 to 13.09.2041
Name of the Lease Holder	M/s. Dhandapani Cements Pvt Ltd
Postal address	M/s. Dhandapani Cements Pvt Ltd , 69, Ganapathy Nagar, Tiruvanaikoil, Trichy – 620 005
Nearest Town	Ariyalur
Nearest Railway station	Kailagam
Nearest police station	Keezhapalur
Nearest Airport	Trichy

Lat/ long of boundary point: N 11<sup>0</sup> 00' 24.50'', E 79<sup>0</sup> 09' 2.42''

(2) Geology:

The sedimentary formations of coralline limestone belongs to the cretaceous system and rest over archaean formations. The Limestone is creamy white in colour. Marine organisms such as shells, corals, microfossils, ammonites, Gryphea, crinoids formed them and foraminifera are composed chiefly of CaCO<sub>3</sub> with varying amounts of impurities such as sand, glauconite, ferrugeneous, phosphatic and bituminous matter. The organic material rich in magnesium has given rise to magnesium bearing limestone in certain areas. The Limestone is hard, compact and amorphous in nature and indurates layers of limestone due to structural deformation and intense weathering. These organic limestones are basically marine sediments derived from rich coral-lime shells and other remains. The topsoil is about 1m. The Limestone is buff in color and has a thickness of 8m. Below the limestone there is kankar and clay of 1m thickness.

The following geological setup has been identified for these deposits of cretaceous age and the order of superposition is described.

Upper : Niniyur  
 Cretaceous age Middle : Ariyalur, Trichinopoly  
 Lower : Uttatur

(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	Excavator		1.1cum	1 No	-	60%	Rock Breakers are used & utilized for loading	
2	Water Tanker	8000 liter	1 nos	1	-	100%	-	-
3	Water Sprinkler	-	-	6	-	100%	-	-
4	Tippers	20 Hp	2 nos	2		80%	For transportation to factory	-

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

Sl.No.	Proposal in the approved Review of Mining Plan (period from 2021-22 to 2025-26)	Observations regarding implementation of proposals given in approved Modified Mining Plan.		Remarks/ Reason for deviation
1	2	3		4
<b>(1) CONSERVATION OF MINERALS</b>				
		<b>Proposal</b>	<b>Actual</b>	<b>2021-22</b>
(a)	Exploration	6 Boreholes	9 Boreholes	Nil
(b)	Utilization of sub-grade mineral	Nil	Nil	Nil
(c)	Any other proposal for monitoring	Nil	Nil	Nil
<b>(2) SCIENTIFIC MINING</b>				
(a)	Mine Development and method of mining	Nil	Nil	Nil
(b)	Handling of Waste/ sub-grade material	Nil	Nil	Nil
(c)	Area reclamation & restoration	2.58 hect	2.58 hect	Nil
(d)	Any other proposal for monitoring	Nil	Nil	Nil
<b>(3) PROTECTION OF ENVIRONMENT</b>				
(a)	Afforestation	115 nos of saplings	200 Nos of saplings.	Nil
(b)	Quality of air	Air Quality standards within the limits.		Nil
(c)	Quality of Water	Water Quality standards within the limits.		Nil
(d)	Noise level	Noise level standards within the limits.		Nil
(e)	Vibration	-		Nil
(f)	Any other proposal for monitoring.	Nil		Nil

**4. History of Violations after approval of Review of Mining Plan: 2021-22.**

SL No.	Date of Inspection	Name of inspecting officer	Violations of MCDR, 2017 observed and pointed out	Rectification of violations	Remarks
1	2	3	4	5	6
1	12.08.2022	A.S.Sanjeeva Rao, JMG	Not achieved the proposed quantity and Bank Guarantee.	Complied on 20.10.2022	-

**5. 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	2	3	4	5
(1)	General Development in the area	-	-	
	(i) Housing	-	-	
	(ii) Water Supply	-	2.0	
	(iii) Sanitation	-	0.5	
	(iv) Health safety and Medical Facilities	-	1.0	
(2)	Education and Training	-	-	
(3)	Employment to local inhabitants	-	1.25	
(4)	Public Transportation and communication	-	-	
(5)	Recreation and other sports activities	-	0.1	
(6)	Expenditure for environment management	-	0.5	
(7)	Other	-	0	
<b>Total</b>		<b>-</b>	<b>5.35</b>	

**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.):**

1) Name of inspecting officer: Shri. A.S.Sanjeeva Rao, JMG

2) Date and Type of inspection: MCDR & Star Rating Inspection – 12.08.2022

3) Observations/ Remarks w.r.t. the inspection carried out by the sub-ordinate officer(s) and shortfalls in the inspection report, if any, thereof:

The Rules 11(1) & 27(2) of MCDR, 2017 has been pointed out and the same were compiled by the lessee.

Name of the Officer: **G.C.Sethi**  
Designation: **Regional Controller of Mines**