

Reporting Month

June 2020

Monitoring Report for Key Parameters

Ministry of Environment, Forests and Climate Change issued Environment Clearance No. J11015/17/2013/-IA.II (M) dated 28 November 2016 for Enhancement of limestone mining from 2.0 million tonnes per annum (MTPA) to 5.0 MTPA; and J-11015/10/2000-IA.M dated 09 August 2001, 30 July 2002 with partial modification dated 19 April 2010 for 2.0 MTPA of Limestone Mining from Nongtraï Limestone Mine of Lafarge Umiam Mining Pvt Ltd., Phlangkaruh, Village Nongtraï, Tehsil Sohra, District East Khasi Hills, Meghalaya

A) Static Information

1	Mine Location	Phlangkaruh, Nongtraï Village, Sohra Tehsil, East Khasi Hills, Meghalaya
2	Mine Lease Area	100 Hectare
3	Production Capacity	5.0 million tonnes per annum
4	Lease Issue Date & Validity	Lease Issue Date : 03 Jan. 2002; Validity : 02 Jan. 2032
5	Date of Commencement	28 March 2003.

B) Dynamic Parameters:

I Ambient Air Quality Monitoring Results (microgram/m ³) June Fortnight 1 (I) June Fortnight 2 (II)											
Parameters		Monitoring Locations									
		HEMM Workshop (Light Section Near ETP) (LA - 1)		Near Magazine (LA-2)		Near Phlangkaruh Village (Near Barrack 1) (LA-3)		Pyrkan Village (LA-4)		Shella Bazaar (LA-5)	
		I	II	I	II	I	II	I	II	I	II
1	RSPM-PM ₁₀	42.20-45.00	42.30-44.35	40.10-41.20	39.10-40.35	NM	NM	NM	NM	NM	NM
2	PM 2.5	19.20-20.30	21.24-22.55	22.23-23.00	23.12-23.89	NM	NM	NM	NM	NM	NM
3	SO ₂	3.30-3.70	3.90-4.00	4.00-4.10	4.22-4.78	NM	NM	NM	NM	NM	NM
4	NO _x	4.67-5.40	6.60-7.00	6.00-6.60	5.67-7.10	NM	NM	NM	NM	NM	NM
Remark: NM – Not monitoring due to restricted movement in and around the Shella Village											
II Vibrations – Peak Particle Velocity (PPV) measured											
0.445-1.969 mm/sec (monitored at two locations 300 m from blast site)											
III Wastewater Discharge from workshop											
A	Quantity :	2.5 m ³ /day (monthly average)									
B	Quality										
1	pH	NM									
2	Total Suspended Solids (TSS), mg/l	NM									
3	Total Dissolved Solid (TDS), mg/l	NM									
4	Oil and Grease	NM									
Note: Five STPs at i) Transit House, ii) Old Camp, iii) Barrack-I, iv) Barrack-II, v) Office area and ETP at work shop remained operational.											
IV Greenbelt Plantation											
1	Current Year Plantation (Nos)	June 2020: 0 (No plantation carried due to Covid-19 pandemic issue) To date in 2020: 0									
2	Plantations done in the past (Nos.)	Total as on December 2019: 38659 Numbers.									

Date: 15 July 2020

Lafarge Umiam Mining Private Limited

A company of LafargeHolcim and MOLINS

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