

Lafarge Umiam Mining Pvt. Ltd.

A company of **LAFARGE** and **CEMENTOS MOLINS**

Reporting Month

January 2016

Monitoring Report for Key Parameters

Environment Clearance No. J-11015/10/2000-IA.M dated 09 August 2001, 30 July 2002 and partial modification dated 19 April 2010 by Ministry of Environment and Forests for 2.0 million tonnes per annum 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	2.0 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) January Fortnight 1 (I) & January Fortnight 2 (II)											
	Parameters	Monitoring Locations									
		Light Section (Near ETP) (LA - 1)		Near Magazene (LA-2)		30 Meter from Conveyor belt (LA-3)		Pyrkan Village (LA-4)		Shella Bazaar (LA-5)	
		I	II	I	II	I	II	I	II	I	II
1	RSPM-PM ₁₀	56.98	53.70	53.98	51.37	52.05	50.37	50.05	47.23	53.43	51.53
2	SO ₂	5.85	5.13	5.59	5.10	4.98	4.37	3.50	3.47	3.63	3.37
3	NO _x	11.18	10.00	9.93	8.07	6.50	6.50	5.68	6.00	6.53	6.03
II	Vibrations – Peak Particle Velocity (PPV) measured at a distance of 300 m from blast site: 0.095 – 3.52 mm/sec										
III	Wastewater Discharge from workshop										
A	Quantity :	2.5 m ³ /day (average during the month from vehicle maintenance workshop)									
B	Quality										
1	Total Dissolved Solid (TDS), mg/l	130									
2	Dissolved Oxygen(DO), mg/l	4.5									
3	pH:	7.5									
4	Total Suspended Solids (TSS), mg/l	60									
Note: 5 STP at Transit House, Saumya Colony, Barrack 1, Barrack 2, Office area and 1 ETP at mechanical work shop under operation. Log book being maintained on regular basis.											
IV	Greenbelt Plantation										
1	Nos of trees planted till January 2016	32,113 along Quarry area									
2	Calendar year wise (Nos)	(2005 Nos. planted for the year 2015); 2597 Nos. planted for the year 2014. 1074 Nos. till December 2013. 1030 in 2012; 2347 in 2011; 3000 in Year 2010; 8000 in Year 2009;									

Date: 10 February 2016

Signatures:

Approved by: Pramod Kumar Singh
Mines Manager

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