

NIMBAHERA - AHIRPURA LIMESTONE MINES

M/s J. K. Cement Works

Date: 18/01/2022

KEY ENVIRONMENTAL PARAMETERS Quarter Q-3 (October-December'2021)

1	STATIC INFORMATION (Physical Data)								
1.1	M. L. No.				2/97				
1.2	Area				403.1875				
1.3	Lease Duration				Valid upto 31.03.2030				
1.4	Date of Commissioning				23.02.1968				
1.5	Production Capacity				2.0 MMTPA				
2	DYNAMIC PARAMETER								
2.1	Ambient Air Quality								
Parameters	Permissible Limit	AHIRPURA BLOCK- LOCATION (Actual Value)							
		Near Mine Office				Near Mine water Pump house			
		Max		Min		Max		Min	
SPM	500	NA		NA		NA		NA	
PM 10	100	41.3		36.4		53.2		41.6	
PM-2.5	60	32.1		24.7		36.5		31.5	
NOx	80	21.4		17.9		26.5		23.6	
Parameters	Permissible Limit	MURLIA BLOCK- LOCATION (Actual Value)							
		Near Mine Office		Near Ravana Office		3 to10 Meter Distance From Drilling Operation (SPM Limit- 600 µg/m3)		Near loading point	
		Max	Min	Max	Min	Max	Min	Max	Min
SPM	500	NA	NA	NA	NA	392	339	413	309
PM 10	100	48.9	43.0	53.4	51.7	NA	NA	NA	NA
PM-2.5	60	36.6	29.0	43.7	26.8	NA	NA	NA	NA
NOx	80	25.7	23.8	30.9	24.1	30.7	23.8	30.8	20.4
2.2	Vibration due to Blasting (max Value of the Quarter)								
	Peak particle velocity at 150 mtr is 4.24mm/sec.								
2.3	Quality of Discharge Water								
	No water discharge from mines								
2.4	Greenbelt/Plantation (Within Lease Area)								
Year	FY 2021-22 till 30.09.2021				Cummulative (2005 - 21) upto March 2021				
No. of Tree Planted within lease	2380				120050				
Area (hect.) under Plantation	1.75				48.02				
Greenbelt / Plantation (Outside Lease Area)									
Year	FY 2021-22 till 30.09.2021				Cummulative (2005 - 21) upto March 2021				
No. of Tree Planted within lease	0				31765				
Area (hect.) under Plantation	0				16.45				