

NIMBAHERA - AHIRPURA & MURLIA BLOCK LIMESTONE MINES

M/s J. K. Cement Works

Date: 10/01/2023

KEY ENVIRONMENTAL PARAMETERS Quarter Q-3 (October-December'2022)

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					0.8949 MMTPA			
2	DYNAMIC PARAMETER								
2.1	Ambient Air Quality								
Parameters	Permissible Limit	AHIRPURA BLOCK- LOCATION (Actual Value)							
		Near Mine Office				NearMine water Pump house			
		Max		Min		Max		Min	
		NA		NA		NA		NA	
SPM	500	NA		NA		NA		NA	
PM 10	100	56.2		48.6		63.2		53.1	
PM-2.5	60	26.6		21.2		35.3		32.3	
NOx	80	20.5		16.8		19.0		14.2	
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
		NA	NA	NA	NA	390	354	411	391
SPM	500	NA	NA	NA	NA	390	354	411	391
PM 10	100	59.0	58.6	68.9	66.5	NA	NA	NA	NA
PM-2.5	60	31.4	22.6	36.3	32.2	NA	NA	NA	NA
NOx	80	29.0	19.4	28.3	16.8	18.6	17.0	24.9	16.4
2.2	Vibration due to Blasting (max Value of the Quarter)								
	Peak particle velocity at 300 mtr is 3.14 mm/sec.								
2.3	Quality of Discharge Water								
	No water discharge from mines								
2.4	Greenbelt/Plantation (Within Lease Area)								
Year	FY 2022-23 till 30.09.2022					Cummulative (2005 - 22) upto March 2022			
No. of Tree Planted within lease	18659					123505			
Area (hect.) under Plantation						50.5			
Greenbelt / Plantation (Outside Lease Area)									
Year	FY 2022-23 till 30.09.2022					Cummulative (2005 - 22) upto March 2022			
No. of Tree Planted within lease	0					31765			
Area (hect.) under Plantation	0					16.45			