

NIMBAHERA - AHIRPURA & MURLIA BLOCK LIMESTONE MINES

M/s J. K. Cement Works

Date:-22.04.2024

KEY ENVIRONMENTAL PARAMETERS

Quarter Q-4 th (Jan-Mar'2024)

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				Near Mine water Pump house			
		Max		Min		Max		Min	
SPM	500	NA		NA		NA		NA	
PM 10	100	75.6		70.0		75.3		68.8	
PM-2.5	60	34.2		25.6		38.4		24.3	
NOx	80	18.8		14.5		24.6		20.1	
Parameters	Permissible Limit	MURLIA BLOCK- LOCATION (Actual Value)							
		Near Mine Office		Near Ravana Office		3 to 10 Meter Distance From Drilling Operation (SPM Limit- 600 µg/m ³)		Near loading point	
		Max	Min	Max	Min	Max	Min	Max	Min
SPM	500	NA	NA	NA	NA	382	354	451	384
PM 10	100	71.2	65.4	74.8	69.1	NA	NA	NA	NA
PM-2.5	60	31.6	25.8	37.4	31.6	NA	NA	NA	NA
NOx	80	20.1	16.8	23.3	12.5	20.2	18.7	20.0	18.0
2.2		Vibration due to Blasting (max Value of the Quarter)							
		Peak particle velocity at 300 mtr is 3.12 mm/sec.							
2.3		Quality of Discharge Water							
		No water discharge from mines							
2.4		Greenbelt/Plantation (Within Lease Area)							
Year		FY 2023-24				Cumulative (2005 - 23)			
No. of Tree Planted within lease		4350				132629			
Area (hect.) under Plantation		3.65				55.04			
		Greenbelt / Plantation (Outside Lease Area)							
Year		FY 2023-24				Cumulative (2005 - 23)			
No. of Tree Planted outside lease		0				31765			
Area (hect.) under Plantation		0				16.45			