

NIMBAHERA - AHIRPURA & MURLIA BLOCK LIMESTONE MINES

M/s J. K. Cement Works

Date:-15.01.2024

KEY ENVIRONMENTAL PARAMETERS

Quarter Q-3rd (Oct-Dec'2023)

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	
SPM	500	NA		NA		NA		NA	
PM 10	100	69.5		62.9		71.5		61.5	
PM-2.5	60	35.5		27.3		38.0		28.8	
NOx	80	25.7		13.6		22.7		15.5	
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	407	361	411	355
PM 10	100	67.5	60.6	76.4	60.0	NA	NA	NA	NA
PM-2.5	60	37.9	31.8	34.9	30.2	NA	NA	NA	NA
NOx	80	23.1	17.3	27.0	17.1	22.7	21.1	23.3	17.9
2.2	Vibration due to Blasting (max Value of the Quarter)								
	Peak particle velocity at 300 mtr is 3.61 mm/sec.								
2.3	Quality of Discharge Water								
	No water discharge from mines								
2.4	Greenbelt/Plantation (Within Lease Area)								
Year	FY 2023-24				Cummulative (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				Cummulative (2005 - 23)				
No. of Tree Planted outside lease	0				31765				
Area (hect.) under Plantation	0				16.45				