

JK CEMENT LIMITED						
(Unit: JK Cement Works- Nimbahera)						
Ahirpura Limestone Mine (M.L. Area 403.1875 Ha.)						
KEY ENVIRONMENTAL PARAMETERS					Oct. -2024 to Dec . - 2024	
1	STATIC INFORMATION (Physical Data)					
1.1	M.L.No.			02/97		
1.2	Area			403.1875 (Ha)		
1.3	Lease Validity			31.03.2030		
1.4	Date of Commissioning of Mines			30.12.1967		
1.5	Production			0.8609		
2	DYNAMIC PARAMETER					
2.1	Ambient Air Quality					
Monitored Parameters	Permissible Limits (µg/m³)		Monitoring Locations -CORE ZONE			
			Near water pump house		Near Mine Office (Ahirpura Block)	
PM _{2.5}	60		37.83		30.08	
PM ₁₀	100		72.33		64.29	
SO ₂	80		7.32		6.09	
NO ₂	80		10.01		8.87	
Monitored Parameters	Permissible Limits (µg/m³)		Monitoring Locations -BUFFER ZONE			
			Murlia Village		Ahirpura Village	
PM _{2.5}	60		33.84		36.27	
PM ₁₀	100		54.87		55.34	
SO ₂	80		6.51		6.35	
NO ₂	80		8.86		9.89	
2.2	Vibration due to Blasting (Max Value of the Quarter)					
	Peak Particle velocity at 2.605 mm/Second					
2.3	Quality of Discharge Water					
Parameters	pH	TSS (mg/l)	O & G (mg/l)	BOD (mg/l)	COD (mg/l)	
Actual Value	7.52	52	3.6	18	122.4	
2.4	Greenbelt / Plantation (As on date)					
Year	upto 2023-24	April 2024 to June 2024	July 2024 to Sept 2024	Oct 2024 to Dec 2024	Cumulative	Remarks
No. of Trees Planted	320798	30	5018	18	325864.00	
Area (Hect.) under Plantation	78.34				78.34	