

JK CEMENT LIMITED				
(Unit: JK Cement Works- Nimbahera )				
Ahirpura Limestone Mine (M.L. Area 403.1875 Ha.)				
KEY ENVIRONMENTAL PARAMETERS				April 2024 to June 2024
1	<b>STATIC INFORMATION (Physical Data)</b>			
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	<b>DYNAMIC PARAMETER</b>			
2.1	<b>Ambient Air Quality</b>			
<b>Monitored Parameters</b>	<b>Permissible Limits (µg/m³)</b>	<b>Monitoring Locations -CORE ZONE</b>		
		<b>Near water pump house</b>	<b>Near Mine Office</b>	
PM <sub>2.5</sub>	60	32.29	30.20	
PM <sub>10</sub>	100	57.16	54.42	
SO <sub>2</sub>	80	BDL (<6)	BDL (<6)	
NO <sub>2</sub>	80	10.32	10.62	
<b>Monitored Parameters</b>	<b>Permissible Limits (µg/m³)</b>	<b>Monitoring Locations -BUFFER ZONE</b>		
		<b>Murlia Village</b>	<b>Ahirpura Village</b>	
PM <sub>2.5</sub>	60	28.64	29.17	
PM <sub>10</sub>	100	52.02	56.27	
SO <sub>2</sub>	80	BDL (<6)	BDL (<6)	
NO <sub>2</sub>	80	9.72	8.35	
2.2	<b>Vibration due to Blasting (Max Value of the Quarter)</b>			
	Peak Particle velocity at 2.553 mm/Second			
2.3	<b>Quality of Discharge Water</b>			
Parameters	<b>pH</b>	<b>TSS (mg/l)</b>	<b>O &amp; G (mg/l)</b>	<b>BOD (mg/l)</b>
Actual Value	7.71	42	3.6	18.6
				<b>COD (mg/l)</b>
				139.3
2.4	<b>Greenbelt / Plantation (As on date)</b>			
Year	<b>upto 2023-24</b>	<b>April 2024 to June 2024</b>		<b>Cumulative</b>
No. of Trees Planted	320798	30		320828.00
Area (Hect.) under Plantation		78.34		78.34
				<b>Remarks</b>