

J K CEMENT LIMITED – KAKRA-PANNA LIMESTONE MINE					
KEY ENVIRONMENTAL PARAMETERS				DATE- 05.01.2025	
<b>1</b>	<b>STATIC INFORMATION (Physical Data)</b>				
1.1	Mining MINE CODE	38MPR420002			
1.2	Area	1594.34 Hect.			
1.3	Lease Duration	50 years			
1.4	Date of Execution	23.09.2020			
1.5	Production capacity	7.61 Million tonne per annum			
<b>2</b>	<b>DYNAMIC PARAMETER (Period: Oct-2024 to Dec-2024)</b>				
<b>2.1</b>	<b>Ambient Air Quality Monitoring Results</b>				
<b>Core Zone</b>					
Parameters	Permissible Limit (µg/m3)	Location			
		Near Kakra Mine Office	Near Security Office	Near Kamtana CAAQMS Kakra Mine Lease Area	
PM 2.5	60	29.15	32.00	27.73	
PM 10	100	50.52	55.40	47.84	
SO2	80	7.77	8.27	8.29	
NO2	80	17.23	17.55	18.09	
<b>Buffer Zone</b>					
Parameters	Permissible Limit (µg/m3)	Location			
		Purena village	Kamtana Village	Pagra Viillage	Sotipura Village
PM 2.5	60	26.02	23.72	26.63	24.94
PM 10	100	45.15	41.16	46.20	43.27
SO2	80	7.14	7.70	8.15	7.72
NO2	80	16.37	16.92	18.04	17.10
<b>2.2</b>	<b>Vibration due to Blasting</b>				
	Average Peak Particle velocity at 300 M			1.951 mm/sec	
<b>2.3 Quality of Discharge Water</b>					
COD,TDS, DO, PH & Total suspended solids (TSS)	<b>Kakra Mine Pit-1 Water Discharge</b>				
	<b>COD (mg/l)</b>	<b>TDS (mg/l )</b>	<b>DO (mg/l )</b>	<b>pH (mg/l)</b>	<b>TSS (mg/l )</b>
	50	410	4.9	7.47	65
<b>2.4</b>	<b>Greenbelt / Plantation details</b>				
<b>2024-25</b>	<b>Apr'24 to Sep '24</b>	<b>Oct'24 to Dec '24</b>	<b>Cumulative</b>		<b>Remarks</b>
<b>No. of Trees Planted</b>	<b>26361</b>	<b>0.00</b>	<b>31334</b>		
<b>Area (Ha.) under Plantation</b>	<b>10.54</b>	<b>0.00</b>	<b>12.54</b>		