

## Project No. 1

<b>Sector</b>	<b>Eco-Restoration (Pollution Control)</b>
<b>Project Name</b>	<b>Establishment of one Continuous Ambient Air Quality Monitoring Station (CAAQMS) at Hosapete Taluk, CAAQM will be housed with facilities viz, SO<sub>2</sub>, NO<sub>2</sub>, NH<sub>3</sub>, O<sub>3</sub>, Benzene, PM<sub>2.5</sub>, PM<sub>10</sub> and meteorological parameter like wind speed, wind direction, humidity, temperature and barometric pressure, Hospet Taluka, Vijayanagara</b>
<b>Submitted by</b>	Karnataka State Pollution Control Board
<b>Project Cost</b>	<b>INR 2.30 Cr.</b>
<b>Coverage</b>	<b>Hospet Taluka</b>
<b>Project Duration</b>	Medium Term (1-3 Years)
<b>PIA</b>	Karnataka State Pollution Control Board (KSPCB), Vijayanagara
<b>Objective</b>	To improve regulatory control on pollution and provide better environmental conditions in the mining-affected areas of the district.
<b>Output</b>	<ul style="list-style-type: none"> <li>CAAQMS Station- 1 Nos.</li> </ul>
<b>Justification</b>	<ul style="list-style-type: none"> <li>Hospet Taluk is surrounded by Iron/ Manganese/ Limestone mining areas and there is a need for Continuous monitoring of the Air Pollutants</li> <li>Mined-Ore transportation is also undertaken through the area.</li> <li>Real-time monitoring from these facilities will help in calculating the air quality index to issue health advisories, as well as for the formulation of an action plan to meet standards.</li> <li>Due to lack of fund availability at the Department for this purpose, the activities have been proposed under CEPMIZ for funding support.</li> </ul>
<b>Outcome (Expected Measurable Benefits)</b>	<ul style="list-style-type: none"> <li>Improved monitoring of air quality and noise levels in the region.</li> <li>Improved environmental conditions for mining-affected habitations.</li> <li>Improved health conditions in mining-affected habitations.</li> </ul>