

RESEARCH PROJECT REPORT

Submitted in partial fulfilment of the requirement  
for the Master of Science Degree of the University  
of Colombo.

by

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S Y N O P S I S

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Environmental Pollution

Environmental pollution is one of the current problems challenging the present day world. The world is becoming rapidly industrialized and industrial waste is disposed to the environment in an unplanned manner especially in the developing countries.

To minimise the impact of pollution in flora and fauna, the study and the evaluation of pollution problems becomes an important subject. <sup>Since</sup> Sri Lanka is also presently undergoing a rapid industrialization, a proper identification of pollution problems associated with the local industries is therefore very essential.<sup>(3)</sup>

Hazardous gases and vapours are encountered in industries at times and there is a need for simple and rapid chemical or other methods for determining the low concentration of such gases and fumes.

In this project, it was planned to estimate the pollution levels in and around the environment of Paranthan Chemicals Corporation Factory. However the study was confined to the chlorine gas pollution in the atmosphere of the factory.

The objective of this project was to find out an electro analytical technique for the quantitative estimation of Chlorine gas in the atmosphere.