

21

SUGGESTION FOR IMPROVEMENT OF
CURRENT PREVENTIVE
MAINTENANCE
PRACTICES OF CONSTRUCTION
PLANTS.

BY

COLONEL E.A.D.A.S. DE ALWIS

DIVISION OF CIVIL ENGINEERING
THE OPEN UNIVERSITY OF SRI LANKA.

38006

ABSTRACT

This report comprises a study of the maintenance practices of construction equipment. The first part of the report takes the form of a literature review which investigates maintenance practices and diagnostic equipment/techniques available for construction plant. Out of the leading companies which hold construction plant approximately seventy five percent was requested participate in the survey. The total sample finally analyze therefore represents approximately about forty percent of construction plant organizations in Sri Lanka.

Secondly the results of a questionnaire survey undertaken to find the equipment maintenance practice of Sri Lankan construction and plant hire companies are presented. An analysis of answers is also presented. Cost effectiveness of maintenance and financial implication on breakdown has not been analyzed.

It was found that most of the companies do not engage in properly planned and designed maintenance practice.

Steps that should be taken in order to improve the preventive maintenance practice of construction companies are proposed. Typical preventive maintenance scheme including monitoring and control measures and costing scheme also included.