

ABSTRACT

A Maintenance System for Instrumentation at ISCOTT.

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The report gives an overview of the ISCOTT steelmaking complex primarily as it relates to instrumentation and automated systems. The terotechnology concept, and the policies and plans required for the implementation of an effective maintenance system were examined. This provided the basis for the design of a maintenance system for the instrumentation systems in the steel plant. The system, its requirements ie. documentation, manpower, report generation were specified.

The experiences in the implementation and operation of the system were examined. The report thus covers more than a mere academic specification of the system as the impact of its implementation was investigated. The strategy for computerisation and the benefits are reported. The operation of the system resulted in the generation of data. This was analyzed to determine the progress in implementation of the planned system, the effect of the system in improving instrument accuracy and reliability.

The evaluation indicated a clearly favourable impact of the system on all aspects of instrumentation maintenance, and yielded useful information for the further optimization of the system.