

## **ENERGY SAVING IN TRANSFORMER CIRCUIT OF POWER SYSTEM FEEDERS**

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### **Abstract**

Reduction in losses at different stages in large power systems results in saving of energy. Loss reduction in Distribution Transformers (DT) in feeders also contributes to considerable saving. Improvement in the efficiency in the DTs can be achieved at manufacturing and operating stages. In this paper some initiatives are discussed to reduce DT losses. Two initiatives are considered for implementation: A. Optimum ratings of DTs and B. Power factor improvement. Results indicate that there is clear saving of energy.