Baldor Technologies Private Limited

Energy Monitoring and Conserving System

INTRODUCTION

Energy is one of the key resources of the planet in general, and certainly of all business organisations. Proper utilisation of this precious resource is dependent on monitoring its use and then designing methodologies to conserve it.

AIM OF THIS SYSTEM

The main aim of setting up the Energy Monitoring and Conserving System within IDfy is to ensure that there is a proper methodology to measure, analyse, and benchmark our energy consumption patterns against the best standards. Once this is done, proper targets will be set and regular monitoring and reporting will happen to ensure that IDfy's Management has control over the energy consumption and conservation initiatives across the company

ELEMENTS OF THIS SYSTEM

The essential elements of IDfy's Energy Monitoring and Conserving System are:

- **Recording** – Measuring and Recording IDfy's energy consumption patterns
- **Analysing** – Studying trends and finding out major factors that have strong correlations to usage in IDfy
- **Benchmarking** – Comparing IDfy's energy consumption to appropriate industry standards
- **Target Setting** – Setting measurable and time bound targets to reduce IDfy's energy consumption
- **Monitoring** – Regularly comparing energy consumption and conservation in IDfy to the set targets
- **Reporting** – Presenting the results in a clear and easily understandable manner
- **Controlling** – Implementing management measures to eliminate or control and variances that might have been reported

DATA RECORDING AND ANALYSING

Under this system, electricity bills and other energy related bills such as fuel will be collected periodically and then analysed. The table below provides a typical format in which this could be done:

IDfy's ANNUAL ENERGY COST BILL							
	Electricity			Fuel			Total
Month	Mumbai	Bengaluru	Delhi	Mumbai	Bengaluru	Delhi	
Jan							
Feb							
March							
April							
May							
June							
July							
Aug							
Sept							
Oct							
Nov							
Dec							
Sub-Total							

Note: Al currency figures in the table above are in Indian Rupees Lacs

INFORMATION COLLECTION AND ANALYSIS

Manual monitoring and targeting systems involve taking readings manually from meters or from invoices and recording these figures.

- Photograph IDfy's existing meters, record the meter number and site details.
- Decide if IDfy need to install sub-meters to monitor individual departments or parts of the building.
- If IDfy need to install sub-meters, consider pulse output meters offering automatic data collection.
- Choose staff to act as energy wardens and to be meter readers.
- Train energy wardens/building supervisors to read each of IDfy's meter types and to record the readings clearly and accurately.
- Institute a regular procedure for reading meters at the same time each week, preferably Monday morning – easily remembered.
- Establish a back-up procedure to provide cover for sickness and holiday periods.
- Set up a procedure to ensure that data is entered into a spreadsheet or database

POLICY

Since the policy has been proposed and accepted by IDfy's management, the rollout will commence immediately. This policy will be rigorously implemented across all of IDfy's offices.

Periodic reviews will be done to measure how effective the policy is and what course correction measures need to be done. Metrics will be tracked and quantitative analysis done along with the periodic review to ensure that the initiative does not lose momentum.

MANAGEMENT

IDfy has set up a committee of senior executives to oversee the 'Energy Monitoring & Conserving System'. This committee will comprise of the following members for the until the end of FY 2017.

- Wriju Ray - COO
- Bhavin Patel – VP Legal & Strategy
- Viren Vijayashankar – Director Sales (Bangalore)
- Mrityunjay Saxena – Director Sales (New Delhi)