Problem Statement: AT&C Loss Reduction

TSSPDCL (Telangana)

Despite an overall AT&C loss of mere 9.36%, Mehdipatnam Division of TSSPDCL is a high loss pocket area owing to surging energy theft and meter tampering in the division.

Section wise T&D losses of 5 Sections of Mehdipatnam Division are:

1. Golconda (24.92%),
2. Langarhouse (17.81%),
3. Vijayanagar colony (30.24%),
4. Masabtank (19.97%)
5. Mehdipatnam (18.92%).

These are the 5 main areas where focus of DISCOM is focussing to bring AI/ML technological interventions. DISCOM is interested to study the load pattern to analyse AT&C Loss reduction and energy theft through AI/ML solution for these areas.

The DISCOM has following data available for past 5 years: Section wise losses, billing, and feeder wise daily consumption. If required, energy audit would be provided by DISCOM to arrive at a solution.

Problem Statement: AT&C Loss Reduction

JVVNL (Rajasthan)

Bayana, a town in Bharatpur district of Rajasthan, is a high loss pocket area with 39.23% AT&C losses. Around 7000 smart meters have already been installed in Bayana and around 95% works of DT metering and feeder metering work for 6 feeders have been completed recently. DISCOM is interested to study load pattern in the area to analyse loss reduction and detection of energy theft through AI/ML solution.

Problem Statement: AT&C Loss reduction

PSPCL (Punjab)

AT&C losses are very high in Patti (16,000 consumers) and Janta Nagar (84,000 consumers) subdivisions even though DISCOM is taking various measures for its reduction. Janta Nagar is an industry dominated division; however, AT&C losses are more than 20%. DISCOM is interested to study the load pattern in the above 2 areas for the analysis of loss reduction and identification of energy theft through AI/ML solution. Billing data for around past 5 year is available with the utility and any other relevant information if required would be provided by Discom.

Problem Head: AT&C Loss reduction

KESCO (Uttar Pradesh)

Electricity House Division of KESCO Discom is a High loss Division having 26.80% AT&C losses. In this division, around 27,000 Smart meters have been installed against total 42696 meters, i.e. 63% of the conventional meters have been converted to Smart meters. Currently the DISCOM is facing challenge in analysing the load pattern of these consumers, accordingly DISCOM is interested to study load pattern across these areas to plan loss reduction through AI/ML solution. Around past 1 year data is available with the DISCOM and any other relevant information if required, would be provided by DISCOM to arrive at a solution for the above-mentioned problem.

Problem Statement: AT&C Loss reduction

MVVNL (Uttar Pradesh)

Bakshikatalab division in Lucknow is of High loss area having 29.68% AT&C losses. In this division around 42,000 Smart meters are installed against total 82,000 meters, i.e. 51% Smart meters are covered. DISCOM is interested to study load pattern in this area to analyse loss reduction through AI/ML solution. Around past 1 year data is available with the utility and any other relevant information if required would be provided by the DISCOM to arrive solution for the area mentioned in the problem.

Problem Statement: AT&C Loss Reduction

MPPsKVVCL (Madhya Pradesh)

At present, around 1.2 lakh smart meters have been installed in Indore city primarily across areas having more than 20% T&D losses. DISCOM is interested to study load / consumption pattern to identify the consumer behaviour to analyse & implement AT&C Loss reduction and energy theft through AI/ML solution. High loss feeders of Indore City Circle (GPH Zone) having 24035 Nos. of consumers are propose for the pilot project. DISCOM has informed that all kind of support & relevant information would be provided to arrive at a solution for the areas mentioned in the problem.