



Feeder Transformer - CBM

Improve Efficiency, Reduce harmonics,
increase life & optimize the performance



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Transformer – Condition Based Monitoring

The mains input transformer – condition based monitoring enable the user to know the transformer healthiness and to know the condition of the various parameters – that decides the reliability of the transformer.

Mains input unbalanced voltage level, unbalanced current, power factor, current, voltage harmonics, kVA, energy, demand and other parameters anomaly monitoring and reporting

Transformer oil density, viscosity, temperature, dielectric strength – monitoring helps the user to predict the effectiveness of the oil well in advance.

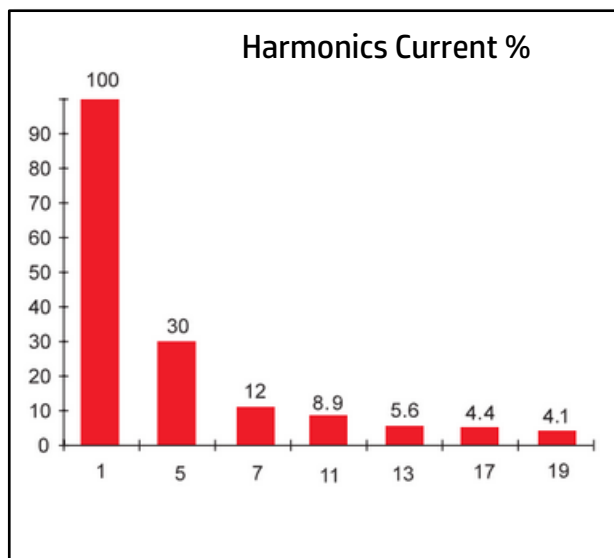
Transformer cooling effectiveness shall be monitored continuously.

External Cooling Fan – ON/OFF status
Transformer Bushing Monitoring

Efficiency of the transformer shall be monitored continuously.



DATA VISUALIZATION



Service Provider

Enables anomaly detection

Predicts failure up to 6 months in advance

Reduce down time through effective monitoring and recommendation for early maintenance.

Schedule maintenance and minimize operational costs

Automatic condition predicting will leads to reduced skill level, improving intelligence and reducing down time

Predicting failure and forecasting - eliminates costly repair charges

Database recording and retrieval leads to complete transparency

Harmonic distortion levels both voltage and current and alert

Voltage analysis & deviations

Power factor analysis & deviations

Tap change operation analysis

Transformer efficiency analysis

Voltage & Current imbalance analysis

Loss Analysis

Oil temperature & Bushing temperature analysis & deviations

Harmonic impact in the transformer temperature

Unbalanced voltage influence in the winding temperature rise

OLTC status

Benefit Value



DATA VISUALIZATION

User visualize all KPI parameters in real time basis, they can access – History of date and time stamped data, events, trend, history and other reports



WELLNESS PARAMETERS

Transformer wellness parameters ensuring the healthiness of the transformer and earlier prediction of fault and warning the user about the anomaly.



DATA ACCESSIBILITY

AI based system analysing all the acquired parameters and predicting and forecasting the anomaly in the system and predicts the possible failures and warns the user well in advance

Reduce your carbon footprint and make a positive impact in your community.

