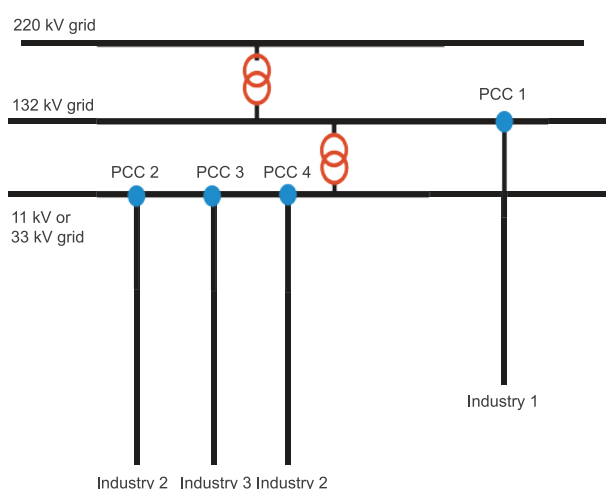


Power Quality: Testing and audits

Ensuring regulatory compliance

In today's power surplus scenario, the quality of power is non-negotiable. Beyond uninterrupted supply, it's crucial to deliver electricity with voltage and frequency maintained within strict standards. Challenges such as voltage sags, swells, dips, flickers, and harmonics can damage equipment, escalate costs, and disrupt systems. Industries, utilities, and renewable energy providers can face financial and operational risks if these issues are left unaddressed.

YMPL is your reliable service partner for compliance verification of power quality meters and specialised on-site power quality audits, adhering to CEA Regulations 2007/2013 and applicable state regulations. Our services help you understand power quality challenges specific to your industry to mitigate potential losses and risks, and ensure compliance with grid connectivity standards while avoiding penalty.



Our Services

Power quality meter testing:

Compliance testing like PQMs (Class A / Class B) tested as per IEC 62586-1 & 2 and IEC 61000-4-30.

Calibration services:

Ensure your equipment delivers precise and reliable performance.

Power quality audits:

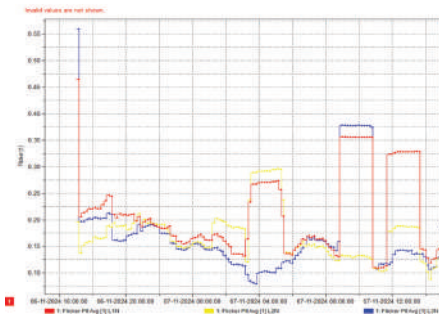
- **Customised on-site audits:** Tailored for industrial consumers and renewable energy generators.
- **Analysis at critical points:** Focused evaluations at Points of Common Coupling (PCC).
- **Standards compliance:** Testing in line with IEEE 519, IEC 61000-4-15, EN 50160 and CEA regulation.

Power quality data analysis:

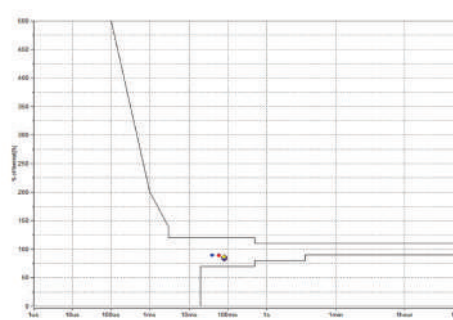
We continuously monitor power quality parameters for a week or longer duration and analyse as per the customer's needs:

- Voltage sags, swells and dips
- Flickers and harmonics (voltage and current)
- Total Harmonic Distortion (voltage)
- Total Demand Distortion (current)
- DC component (current)

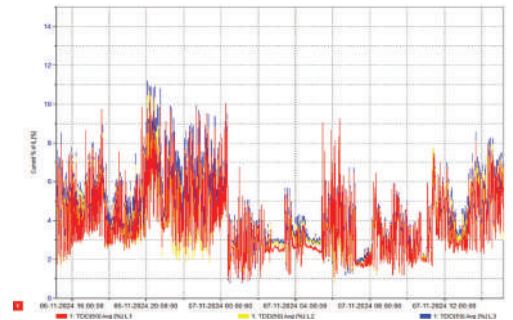




Flicker



Sag / Swell



TDD

Stakeholder Benefits

- **Regulatory compliance:** Ensure power quality meters meet all applicable standards and regulations.
- **Risk mitigation:** Identify potential losses and risks affecting service transformers.
- **Tailored insights:** Gain a clear understanding of power quality specific to your industry type.
- **Penalty avoidance:** Avoid penalties and ensure compliance with grid connectivity regulations.

Why YMPL?

- **State-of-the-art laboratory:** Equipped with advanced tools for accurate testing and analysis.
- **Expert team:** Skilled engineers with extensive expertise in power systems and quality assurance.
- **ISO / IEC 17025 Accredited:** Trusted third-party testing laboratory, certified to deliver the highest quality standards.
- **Comprehensive reporting:** Clear, detailed findings paired with practical, actionable mitigation strategies.

Yadav Measurements Pvt Ltd

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