

HIGH VOLTAGE TEST LAB SDN. BHD.

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TNB
APPROVED
TESTING
LABORATORIES



OUR BACKGROUND

2012

COMPANY NAME

HIGH VOLTAGE TEST LAB SDN. BHD.
(660859-P)

CORRESPONDENT ADDRESS

5, Jalan Pemberita U1/49,
Temasya Industrial Park, Glenmarie,
40150 Shah Alam, Selangor.

LABORATORY ADDRESS

Lot 6, Jalan Permata 2,
Arab Malaysian Industrial Park,
71800 Nilai, Negeri Sembilan.

2014

ACCREDITATION

ACCREDITED TO

MS ISO/IEC 17025:2005

TRANSFORMER ROUTINE TEST
IEC 60076-1, 3 & 11

2016

EXTENSION SCOPE

ENERGY METER TEST

IEC 62053-21, 22 & 23

2018

TRANSITION TO

MS ISO/IEC 17025:2017

EXTENSION SCOPE

SWITCHGEAR TEST

IEC 62271-1, 200 & 203

TRANSFORMER TYPE TEST

IEC 60076-2, 3 & 11

CURRENT TRANSFORMER

ACCURACY TEST

IEC 61869-2

2019

WHY CHOOSE US ?

High Voltage Test Lab Sdn. Bhd. was incorporated in April 2012 to provide inclusive testing services for Medium Voltage Transformers, Medium Voltage Switchgear, Energy Meters and Measuring Current Transformers.

The testing facility in Nilai, Malaysia is located within a designated area to ensure the testing services are more efficient and convenient, significantly increases the productivity by delivering a reliable results. As a part of the stringent quality control, all equipment are properly handled by the competent testers and periodically calibrated to ensure its quality, accuracy and reliability.

By combining a comprehensive portfolio of tests with a strong focus on service and continuous improvement, High Voltage Test Lab Sdn. Bhd. has achieved an enviable reputation as the laboratory of choice with an excellent accreditation of **MS ISO/IEC 17025:2017** by the department of Standard Malaysia.

Marking its path through the international recognition, HVTL is certified by the **ILAC-MRA** to enhance the acceptance of the results across national borders, thereby creating a framework to support international trade through the removal of technical barriers.

MOTTO

Accurate | Comprehensive | Quality

MISSION

To provide reliable and high-quality testing services

VISION

To be recognized as competitive market leader in providing reliable testing services

SCOPE OF ACCREDITATION

Routine Test for Transformer as per IEC 60076-1, 3 & 11

- ▶ Winding Resistance
- ▶ Voltage Ratio and Check of Phase Displacement
- ▶ No-Load Loss and No-Load Current
- ▶ Short Duration Induced AC Withstand Voltage Test
- ▶ Short Circuit Impedance and Load Loss
- ▶ Separate Source AC Withstand Voltage Test
- ▶ Partial Discharge

Type Test for Transformer as per IEC 60076-2, 3 & 11

- ▶ Temperature Rise Test
- ▶ Lightning Impulse Test

Testing for Switchgear as per IEC 62271-1, 200 & 203

- ▶ Lightning Impulse Test
- ▶ Partial Discharge Test
- ▶ Power Frequency Voltage Test

Accuracy Test for Current Transformer as per IEC 61869-2

- ▶ Ratio Error
- ▶ Phase Displacement Error

Metering Test for Energy Meter as per IEC 62053-21, 22 & 23

- ▶ Test of Starting and No-Load Condition
- ▶ Limit of Error due to Variation of Current
- ▶ Meter Constant (Energy Test)



QUALITY POLICY STATEMENT

HVTL is committed to providing excellent quality and reliability of testing with good professional practice to achieve total customer satisfaction in meeting the requirements of **MS ISO/IEC 17025** and continually improve the effectiveness of the management system.

Effectively perform testing services to produce reliable result in accordance with the stated standardized method and regulatory requirement.

Establish and maintain the quality management system towards improving the quality service to the public, customers, stake holders and statutory.

Ensure all personnel related to the testing activities familiarize themselves with the quality policy and documentations and implement such procedure in their works.

Focus on teamwork for all levels for operating excellence and discipline.

Short lead time on testing process.



Quality
*is never an accident,
it is always the result of
intelligent effort*



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