

High Voltage Cable Jointing Techniques

Course Code: ECL05

COURSE OBJECTIVES

Upon completion of this course, participants will be able to:

- Understand the various types of HV cables, cable joints and terminations used in the SP PowerAssets system
- Learn the common causes of failure

MAIN CONTENTS

- Parts & components of HV cables
- Importance of every layer of HV cables
- HV cable jointing tools for jointing preparation works (including safety procedures and SOP)
- Different types of HV (6.6kV & 22kV) joints & terminations used in SPPG
- Procedures of HV cable jointing including the Quality Assurance Checklist for 22kV cable joints
- Sequence of crimping and materials used for cable connection, stress-control relief and overall waterproof protection, etc
- Common causes of HV failures in relation to cables, joints and terminations
- Construct specific portion of HV joint for XLPE cable

METHODOLOGY

Lecture and hands-on training

TARGET AUDIENCE

Engineering and technical staff who are required to carry out, supervise or inspect HV cable jointing work

COURSE DETAILS

Duration	:	21 hours
Mode of Delivery	:	Face-to-face or Synchronous E-learning
Certification	:	SIPG Certificate of Completion
PDU by PE Board	:	21
Additional Requirement/s	:	Personal Protection Equipment (PPE) must be worn during practical session. PPE includes: <ul style="list-style-type: none">• Safety Shoes• Rubber Gloves• Fire Retardant Clothing (FRC)• Face Shield

COURSE FEES

Full Course Fee	:	S\$2,950 (before GST)
For Singapore Citizens/PR/LTVP+*	:	NIL
For Singapore Citizens [40 years old and above]	:	NIL

ADDITIONAL REMARKS

- Trainee must attain at least 75% attendance rate and pass the assessment to receive Certificate of Completion and funding grant (if applicable).
- Subsidy of up to 70% is applicable for Singapore Citizens, Permanent Residents or Long-Term Visitor Pass Plus (LTVP+) Holders, subject to funding agency's approval.
- Enhanced subsidy of up to 90% is applicable for Singapore Citizens aged 40 years and above, subject to funding agency's approval. Note that GST payable will be computed from fee after 70% funding.
- Professional Development Unit (PDU) is applicable for Professional Engineers registered under the Professional Engineers (PE) Board only.
- All published fees are subject to prevailing GST

CONTACT US

For more information, please contact SIPG at +65 6916 7930 or email training-institute@spgroup.com.sg.

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