

# TECHNICAL APPLICATION OF SOLAR PHOTOVOLTAIC (PV) SYSTEM 29 July - 7 August 2019

TNB Integrated Learning Solution - ILSAS, Bangi, Malaysia

Organised by:





# Objective:

To provide training and sufficient skills to who are involved in the installation, operation and maintenance of the Solar Photovoltaic System.

# **Target Participants:**

Engineer working in a power plant or utility industry especially Renewable Energy (RE) fields with technical skills

# **Course Content**

- Renewable Energy Program in Malaysia
- TNB Sustainable Green Initiatives
- How Solar Cell Works
- Introduction of Grid-Connected Photovoltaic (GCPV) System
- GCPV System Safety
- Installation of GCPV System
- Solar Power Generation Interconnection
- Solar Operation and Maintenance
- Testing and Commissioning

# Methodology

Lectures, video, group discussion, hands-on, technical visits



#### **ABOUT MTCP**

The Malaysian Technical Cooperation Programme (MTCP) was first initiated at the First Commonwealth Heads of Government Regional Meeting (CHOGRM) for Asia Pacific Region in Sydney in February 1978. It was officially launched on 7 September 1980 at the 2nd CHOGRM in New Delhi, India, to signify Malaysia's commitment to South-South Cooperation, in particular Technical Cooperation among Developing Countries (TCDC).

In line with the spirit of South-South Cooperation, Malaysia through the MTCP shares its development experiences and expertise with other developing countries. The MTCP was first formulated based on the belief that the development of a country depends on the quality of its human resources. The programme forms part of the commitment of the Malaysian Government towards the promotion of technical cooperation among developing countries, strengthening of regional and sub-regional cooperation, as well as nurturing collective self-reliance among developing countries.

The MTCP emphasises the development of human resources through the provision of training in various areas which are essential for a country's development such as public administration, good governance, health services, education, sustainable

#### Objectives of MTCP

- Share development experience with other countries
- Strengthen bilateral relations between Malaysia and other developing countries
- Promote South-South
   Cooperation (SSC)
- Promote Technical
  Cooperation among
  Developing Countries

development, agriculture, poverty alleviation, investment promotion, ICT and banking. Since its inception in 1980, more than 33,000 participants from 144 recipient countries have benefited from the various programmes offered under the MTCP. More information at MTCP website: www.mtcp.kln.gov.my

#### ABOUT TNB ILSAS

TNB Integrated Learning Solution – ILSAS is a premier technical training institute committed towards providing excellence in training and services. In line with that, ILSAS works with experts in the field of power utility engineering and a complete range of facilities. ILSAS is a wholly owned subsidiary of Tenaga Nasional Berhad, the largest power utility company in Malaysia.

As Malaysia's leading power utility trainer, ILSAS offers a broad range of specially tailored learning solutions that take knowing through its necessary next step: getting it done; by knowing what to do, how to do it, when best to do it, and doing it as it's supposed to be done.

We do it with the latest teaching methods, a vast pool of qualified and experienced trainers, having access to effective training tools and high-investment environments, and in full accordance with global industry standards, technological and regulatory.

## **APPLICATION GUIDELINES**

- Application should be made using prescribed MTCP forms available at: mtcpcoms.kln.gov.my/mtcpcoms/online/list course
- The application must be completed and endorsed by the Ministry
  of Foreign Affairs / Focal Points responsible MTCP Programme in
  the applicant's country, then submitted through the applicant's
  government with Note Verbale to the Ministry of Foreign Affairs
  Malaysia via the nearest Malaysian High Commission / Embassy.
- Submitted application forms must be accompanied by the applicant's:
  - Copy of Passport
  - Passport sized coloured photo (3.5cm x 5cm)
  - Medical Report
- 4. It is mandatory under MTCP for all the MTCP participants to follow the Visa With Reference (VDR) application procedure
- 5. INCOMPLETE AND/OR UNENDORSED FORMS WILL NOT BE PROCESSED
- Application form have to be accompanied by the applicant's medical report and copy of his/her passport
- 7. ONLY SUCCESSFUL CANDIDATES WILL BE NOTIFIED

#### TARGETED PARTICIPANTS

- Must be a degree holder
- Minimum working experience 5 years
- Must have a minimum 1 year experience in utility industry especially in power plant
- Good command of English spoken &written
- Medically and physically fit (Note: The training requires lots of physical activities in power

# **COURSE FEE & REGISTRATION**

All course fees will be borne by the Malaysian Government under the MTCP

## VISA AND VACCINATION

Visa and Vaccination It is mandatory for all the MTCP participants to follow the Visa With Reference (VDR) application procedure.

Once the approval is obtained, the training institution should send a copy of VDR approval letter to the participants. Subsequently, with the copy of the approval, the participants may get the VDR from the nearest Embassy of Malaysia. Wherever applicable, participants are advised to arrange for vaccination on their own prior to travel to Malaysia.

Expenditures on all visa-related fees, airport tax/airport user's charge, transit insurance, excess luggage, travel tax, transit fees, domestic passenger terminal fees, phone charges, private purchases, etc borne by the participants.

#### VACCINATION FOR YELLOW FEVER

Participants from some countries are required to take a mandatory vaccination for yellow fever at least 10 days prior to their departure to Malaysia. Yellow Fever certificate is required to be produced upon landing in Malaysia for countries as listed at the link below: <a href="http://www.imi.gov.my/index.php/en/main-services/visa/visa-requirement-by-country.html">http://www.imi.gov.my/index.php/en/main-services/visa/visa-requirement-by-country.html</a>

#### **ACCOMODATION**

Participants will be accommodated either in the hostel located in the vicinity of the Training Institutions or at the nearby hotels. Participants are strictly not allowed to bring any family members during the course.

# **DAILY ALLOWANCE**

Participants will be provided with a daily allowance of RM85.00 that is sufficient to cover daily meals and laundry. However, if meals are provided by the organizer, some portion of the allowance shall be deducted. The amount received varies depending on the training institute.

Food will be provided for the duration of the course.

### COORDINATOR

Noor Azmi Sulaiman noorazmis@tnb.com.my

Jaslina Hamid jaslinah@tnb.com.my

TNB INTEGRATED LEARNING SOLUTION— ILSAS
Jalan IKRAM-UNITEN,
43650 Bandar Baru Bangi,
Selangor, Malaysia.
General Phone: +603-89227222 Fax: +603-89264437

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#### **AIRFARE**

A return air ticket from the capital city of the recipient country to Kuala Lumpur on economy class is provided for the participants

#### MEDICAL AND DENTAL TREATMENT

Medical treatments are provided at government hospitals/clinics only and the expenses will be borne by the Government of Malaysia under the MTCP. In case of an emergency, participants are eligible to be admitted to government hospitals/clinics. Dental treatments are restricted to extraction and filling only.

#### MANNERS

Participants shall conduct themselves at all times in a manner compatible with their responsibilities as MTCP participants and abide by the laws, rules and regulations as may be stipulated by the host government in respect of this training course.

# **DRESS CODE**

During lectures, male participants are required to dress in long-sleeved shirts with ties, long

CLOSING DATE OF RECEIVING
APPLICATION:

3rd May 2019