

CRITERIA AND DOCUMENTS REQUIREMENT FOR LICENSE APPLICATION (BELOW 5MW)

Unit Pelesenan Elektrik, Suruhanjaya Tenaga

December 2023

ELECTRICAL VEHICLE CHARGING SYSTEM (EVCS)

CRITERIA

- 1.1. Licensee shall be a registered company under the Companies Commission of Malaysia (SSM).
- 1.2. Applicants need to comply with the Electricity Supply Act 1990, Electricity Supply regulation 1994, Code and guidelines that relevant to the application category (Example: Guidelines on Licensing Under Section 9 of the Act, Guide for EVCS).
- 1.3. Applications for licenses shall obtain approval on location and source of supply for all capacity units.
- 1.4. Application shall be made by Charge Point Operator (CPO).
- 1.5. Applicants need to apply from the distribution licensee for dedicated electricity power supply.
- 1.6. All drawings, plans and specifications shall be approved by a suitably qualified competent person or Electrical Engineer who is registered with the Board of Engineers as a Professional Engineer with Practicing Certificate.
- 1.7. License capacity shall be based on maximum output capacity of charging unit.
- 1.8. Upon Commissioning of an installation, the applicant is required to submit the following additional documents to relevant Commission's Offices;
 - I. Form G (Under the Regulation 14 of the Electricity Regulations 1994) which is a certificate of supervision and completion provided by a competent person appointed;
 - II. Form H (Under the Regulation 14 of the Electricity Regulations 1994) which is a testing certificate.

DOCUMENTS REQUIRED

- 1.9 In addition to meet the requirements of the Government's objective and relevant legislations, the Commission has outlined several important requirements that shall be complied by the applicant. The applicant shall submit an application within a reasonable period for a license before commencement of an installation. Documents to be submitted by applicant shall include, but not limited to the information as listed below subject to revision from time to time;

Mandatory Documents	Additional Documents
I. Endorsed application form	
II. Statutory documents for company registration	
III. Location and floor plan	
IV. Schematic drawing	
V. Consent letter for installation (building owner/local authority);	
VI. Rental, collaboration, or service agreement (if any);	
VII. Form G and H (Regulation 14) with test results;	
VIII. Project summary (as per table below	
IX. Certificate Of Approval/Release Letter for charger (in future	

CHARGER SPECIFICATION TABLE (EXAMPLE)

BRAND / MODEL	XXX	XXX	XXX
NO. OF UNIT	1	2	2
RATED INPUT POWER (KWac)	150kW	60kW	22kW
MAX. CHARGING/OUTPUT POWER / (AC or DC)	120kW / DC	50kW / DC	22kW / AC
MODE OF CHARGING	MODE 4	MODE 4	MODE 3
CONNECTOR TYPE	2 X CCS TYPE2 / CHAdeMO	1 X CCS TYPE2 / CHAdeMO	1 X TYPE2
OUTPUT CABLE SIZE / TYPE (NOZZLE CABLE)	4 X 150MM2 (4C PVC/AL)	1 X 35MM2 (4C PVC/AL)	1 X 10MM2 (4C PVC/AL)

Note: The charger specifications table shall be included in the project summary as above.

NOVA PROGRAMME

CRITERIA

- 2.1 Licensee shall be a registered company under the Companies Commission of Malaysia (SSM) or registered with local authority or recognised body endorsed by the government.
- 2.2 Applicant need to comply with the Electricity Supply Act 1990, Electricity Supply regulation 1994, Code and guidelines that relevant to the application category. (Example: Guidelines on Licensing Under Section 9 of the Act, Guidelines for Solar Photovoltaic Installation Under Net Offset Virtual aggregations (NOVA) Programme for Peninsular Malaysia)
- 2.3 Current existing guideline's requirements under NOVA programme programme but not limited to the information as listed below;
 - I. Applicant shall be a non-domestic consumer of TNB;
 - II. Applicant shall be an existing consumer or a person applying to be a consumer of TNB;
 - III. Any Consumer who has installed solar PV installation under the previous solar PV programme is not eligible to participate in this programme;
 - IV. Install capacity shall not be more than 1000kW for Category A and not more than 5000kW for category B;
 - V. The solar PV installation shall be of PV panels mounted on the rooftop of the buildings within the same premises;
 - VI. A Connection Assessment Study (CAS) is required for all applications with solar PV installation with peak capacity exceeding 72kW in order to check the acceptability of the installation to be connected to the Supply System, and the cost to conduct the CAS shall be the responsibility of the Applicant.
 - VII. All drawings, plans and specifications shall be approved by a suitably qualified competent person or Electrical Engineer who is registered with the Board of Engineers as a Professional Engineer with Practicing Certificate.

- VIII. For NOVA Category B, any excess energy produced in a month which is not consumed by the NOVA Consumer may be exported via the Supply System up to three (3) Designated Premise.
 - IX. For the purpose of Category B, a designated premise of the NOVA Consumer includes premise used or operated by its wholly owned subsidiary company.
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- 2.4 Applicant must possess a valid land title / tenancy agreement / concession agreement.
 - 2.5 Applicant shall have a valid approval (NOVA Certificate) from Sustainable Energy Development Authority (SEDA).
 - 2.6 Upon Commissioning of an installation, the applicant is required to submit the following additional documents to relevant Commission's Offices;
 - I. Form G (Under the Regulation 14 of the Electricity Regulations 1994) which is a certificate of supervision and completion provided by a competent person appointed;
 - II. Form H (Under the Regulation 14 of the Electricity Regulations 1994) which is a testing certificate.

DOCUMENTS REQUIRED

- 2.7 In addition to meet the requirements of the Government's objective and relevant legislations, the Commission has outlined several important requirements that shall be complied by the applicant. The applicant may submit an application within a reasonable period for a license before commencement of an installation. Documents to be submitted by applicant shall include, but not limited to the information as listed below subject to revision from time to time;

Mandatory Documents	Additional Documents
I. Endorsed applications form;	I. Key & Layout plan;
II. Statutory documents for company registration;	II. Tenancy agreement (if required);
III. NOVA Certificate;	III. Cash Flow Analysis;
IV. Land title / Concession Agreement;	IV. Purchase Order / Invoice / Letter of Offer from Financial Institution;
V. Connection Assessment Study (CAS);	V. Summary of The Project Proposal.
VI. Schematic Diagram;	VI. Latest 3 Month Electricity Bills;
VII. Chargeman Registration Approval;	
VIII. Form G and H (Regulation 14) with test results;	
IX. Power Purchase Agreement (PPA) (Applicable for Leasing only);	

NEM 3.0 PROGRAMME – NEM GoMEn

CRITERIA

- 3.1 Licensee shall be a registered company under the Companies Commission of Malaysia (SSM) or registered with local authority or recognised body endorsed by government.
- 3.2 Applicant need to comply with the Electricity Supply Act 1990, Electricity Supply regulation 1994, Code and guidelines that relevant to the application category. (Example: Guidelines on Licensing Under Section 9 of the Act, Guidelines for Solar Photovoltaic Installation Under The Programme of NEM Rakyat and NEM GoMEn in Peninsular Malaysia) current existing guidelines requirement under NEM GoMEn programme but not limited to the information as listed below subject to revision from time to time;
 - I. The applicant shall be a consumer or a person applying to be a consumer of TNB;
 - II. Any consumer who has installed solar PV Installation under the previous solar PV programme is not eligible to participate in this programme;
 - III. The solar PV installation shall be of PV panels mounted on the rooftop of the buildings within the same premises.
 - IV. Install capacity shall not be more than 1000kW.
 - X. All drawings, plans and specifications shall be approved by a suitably qualified competent person or Electrical Engineer who is registered with the Board of Engineers as a Professional Engineer with Practicing Certificate.
- 3.3 Applicant must possess a valid land title / tenancy agreement / concession agreement.
- 3.4 Applicant shall have a valid approval (NOVA Certificate) from Sustainable Energy Development Authority (SEDA).
- 3.5 Upon Commissioning of an installation, the applicant is required to submit the following additional documents to relevant Commission's Offices;

- I. Form G (Under the Regulation 14 of the Electricity Regulations 1994) which is a certificate of supervision and completion provided by a competent person appointed;
- II. Form H (Under the Regulation 14 of the Electricity Regulations 1994) which is a testing certificate.

DOCUMENTS REQUIRED

- 3.6 In addition to meet the requirements of the Government's objective and relevant legislations, the Commission has outlined several important requirements that shall be complied by the applicant. The applicant may submit an application within a reasonable period for a license before commencement of an installation. Documents to be submitted by applicant shall include, but not limited to the information as listed below;

Mandatory Documents	Additional Documents
I. Endorsed applications form;	I. Key & Layout plan;
II. Statutory documents for company registration;	II. Tenancy agreement (if required);
III. Land title / Concession Agreement;	III. Cash Flow Analysis;
IV. NEM Certificate;	IV. Purchase Order / Invoice / Letter of Offer from Financial Institution;
V. Net Energy Metering Assessment Study (NEMAS);	V. Latest 3 Month Electricity Bills;
VI. Schematic Diagram;	VI. Summary of The Project Proposal.
VII. Chargeman Registration Approval;	
VIII. Form G and H (Regulation 14) with test results;	
IX. Power Purchase Agreement (PPA) (Applicable for Leasing only);	

SOLAR SELF CONSUMPTION (SELCO) – LEASING / SUPPLY AGREEMENT
RENEWABLE ENERGY (SARE) FOR CAPACITY BELOW 5MW

CRITERIA

- 4.1 Licensee shall be a registered company under the Companies Commission of Malaysia (SSM) or registered with local authority or recognised body endorsed by the government.
- 4.2 Applicant need to comply with the Electricity Supply Act 1990, Electricity Supply regulation 1994, Code and guidelines that relevant to the application category. (Example: Guidelines on Licensing Under Section 9 of the Act, Guidelines On The Connection of Solar Photovoltaic Installation For Self-Consumption)
- 4.3 Current existing guidelines requirement under SELCO Leasing but not limited to the information as listed below;
 - I. For non-stand-alone system, the capacity limit for solar system installation shall be lower than eighty-five percent (85%) of the maximum demand of the consumer's existing installation.
 - II. Applicant to conduct a Power System Study (PSS) for the solar PV system with a capacity of 425 kW and above. The PSS report shall be presented and approved by the distribution licensee.
 - III. The solar PV installation shall be of PV panels mounted on the rooftop of the buildings within the same premises.
 - XI. All drawings, plans and specifications shall be approved by a suitably qualified competent person or Electrical Engineer who is registered with the Board of Engineers as a Professional Engineer with Practicing Certificate.
- 4.4 Applicant must possess a valid land title / tenancy agreement / concession agreement.
- 4.5 Upon Commissioning of an installation, the applicant is required to submit the following additional documents to relevant Commission's Offices;

- I. Form G (Under the Regulation 14 of the Electricity Regulations 1994) which is a certificate of supervision and completion provided by a competent person appointed;
- II. Form H (Under the Regulation 14 of the Electricity Regulations 1994) which is a testing certificate.

DOCUMENTS REQUIRED

- 4.6 In addition to meet the requirements of the Government's objective and relevant legislations, the Commission has outlined several important requirements that shall be complied by the applicant. The applicant may submit an application within a reasonable period for a license before commencement of an installation. Documents to be submitted by applicant shall include, but not limited to the information as listed below;

Mandatory Documents	Preference Documents
I. Endorsed applications form;	I. Key & Layout plan;
II. Statutory documents for company registration;	II. Tenancy agreement (if required);
III. Land title / Concession Agreement;	III. Cash Flow Analysis;
IV. Power System Study (PSS) if capacity >425kW;	IV. Purchase Order / Invoice / Letter of Offer from Financial Institution;
V. Schematic Diagram;	V. Latest 3 Month Electricity Bills;
VI. Chargeman Registration Approval;	VI. Summary of The Project Proposal.
VII. Form G and H (Regulation 14) with test results;	
VIII. Power Purchase Agreement (PPA)	