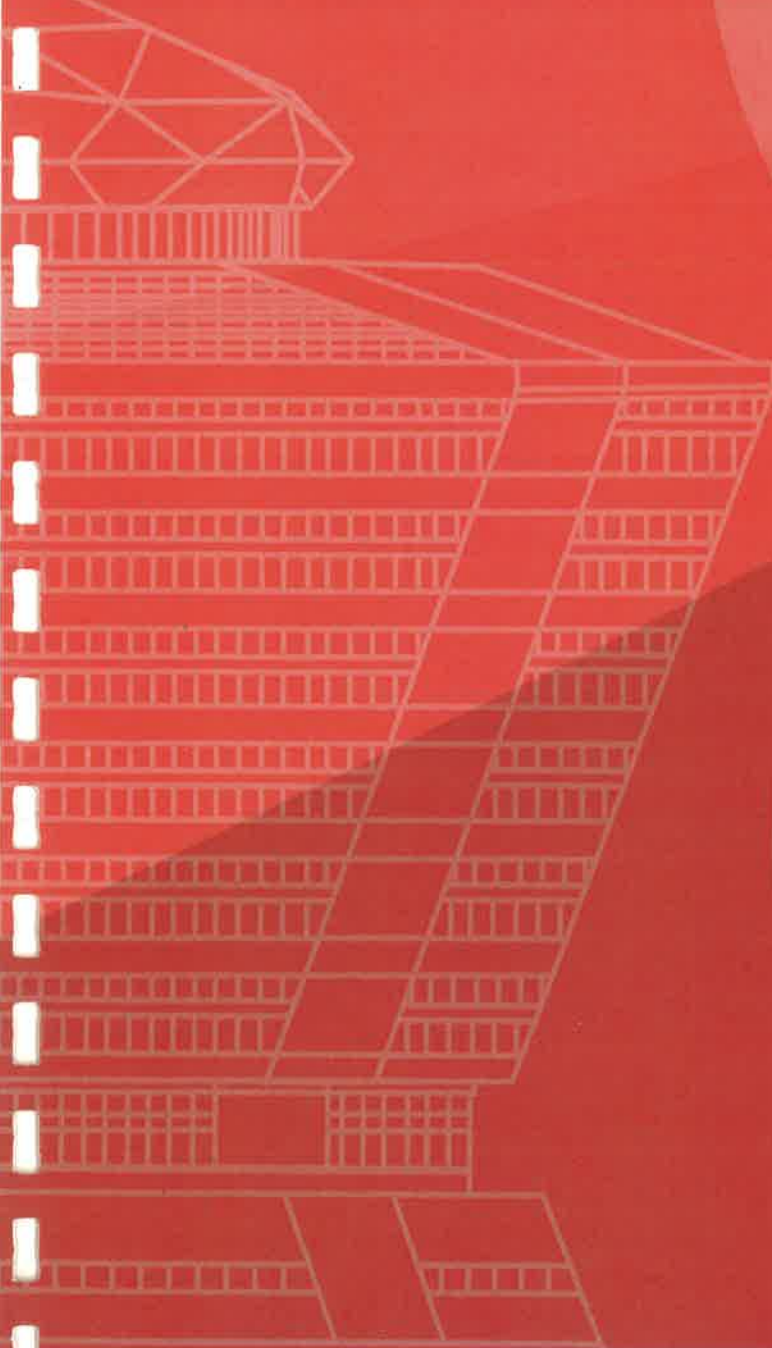


Guidelines

On Licensing Under Section 9 of the Act

[Electricity Supply Act 1990 (Act 447)]



ELECTRICITY SUPPLY ACT 1990
[Act 447]

GUIDELINES ON LICENSING UNDER SECTION 9 OF THE ACT

Guidelines/ST/No.5/2016

IN exercise of the power conferred by Section 50c of the Electricity Supply Act 1990 [Act 447], the Commission issues the following guideline:

Citation and Commencement

1. These Guidelines may be cited as the “Guidelines on Licensing Under Section 9 of the Act”.
2. These Guidelines shall come into operation on the date of registration.

Interpretation

3. In these Guidelines, unless the context otherwise requires–

Act mean the Electricity Supply Act 1990 (Act 447), Electricity Supply (Amendment) Act 2015 (Act A1501) and its subsequent amendment, if any.

Licensee means any person issued with a licence under the Act.

Compliance with Legislation

4. Section 9 of the Act stipulates that:

Section 9(1): “Subject to any exemptions as may be granted, no person, other than supply authority, shall –”

(a) Use, work or operate or permit to be used, worked or operated any installations;

or

(b) Supply to or for the use of any other person electricity from any installation, except under and in accordance with the terms and conditions of a licence as may be prescribed authorizing the supply or use, as the case may be.

Section 9(2): *“Licences may be granted by the commission with the approval of the Minister upon payment of such fees and upon such terms and conditions as appear to be requisite or expedient having regard to the duties imposed by section 4.”*

5. An Exemption Order [P.U. (B) 156] on uses its own source of generation with capacity of the generator 5 kW and below, which come into force on 1st April 1994 stipulated:

“2. The Minister exempts –

(a) any person who uses, works or operates or permits to be used, worked or operated any installation from paragraph 9 (1)(a) of the Act except where the installation uses its own source of generation and the capacity of the generator is more than 5 kW;”

6. An Exemption Order [P.U. (B) 342] on uses of photovoltaic system or solar panel for purpose of generating electricity, which come into force on 15 August 2008 stipulated:

“In exercise of the powers conferred by section 54 of the Electricity Supply Act 1990 [Act 447], the Minister exempts any person who uses, works or operates or permits to be used, worked or operated any installation or, supplies to or for the use any other person electricity from any installation, that uses photovoltaic system or solar panel for purposes of generating electricity –

(a) For a three phase system, at a voltage not exceeding low voltage with a capacity of up to 72 kW; or

(b) For a single phase system, at a voltage not exceeding low voltage with a capacity of up to 24 kW,

from section 9 of the Act.”

7. Electricity Regulations 1994 (Amendment 2014) stated the form used for the issuance of licenses, are as follows:

Regulation 8: *A licence for public installation shall be in the form which the Commission deems fit and appropriate for the public installation.*

Regulation 9: *A licence for a private installation shall be in Form F as prescribed in the First Schedule.*

Purpose of these Guidelines

8. These Guidelines describe the procedures and requirements that shall be complied by the applicant in the submission of the application for licence under Section 9 of the Act. Submission of applications shall be made at the following offices;
- i) Commission's main office – licence application for public installations and private installations with capacity of 5MW and above; and
 - ii) Commission's regional offices – only for private installations with capacity of less than 5MW.
9. The application procedures and requirements are as shown in **ANNEX 1**.

Application of these Guidelines

10. These guidelines shall apply to any person or company who use, work or operate any electrical installation or supply to or for the use of any other person from any electrical installation.

Framework for Licensing Application Process

11. The content of the licensing application requirements and processes involved shall include, but not limited to the information as listed in **ANNEX 1**.

Notice by the Commission

12. The Commission may issue written notices from time to time in relation to these Guidelines.

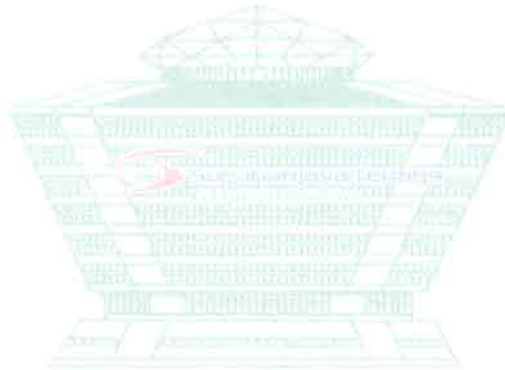
Amendment and Variation

13. The Commission may at any time amend, modify, vary or revoke these Guidelines.

Dated: 25 August 2016



DATUK IR. AHMAD FAUZI BIN HASAN
Chief Executive Officer
for Energy Commission



ANNEX 1

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1.0 LICENSED ACTIVITIES

- 1.1 Under Electricity Supply Act 1990, there are two types of licenses granted by the Commission which includes a license for public installation and a license for private installation, where :

"Public installation" is an installation operated by a licensee for the supply of electricity to any person other than the licensee:

Provided that the licensee may use electricity for his own purposes where the use is consistent with the terms of the licence;

"Private installation" is an installation operated by a licensee or owner solely for the supply of electricity to and use thereof on the licensee's owner's own property or premises, or, in the case of a consumer, taking electricity from a public installation or supply authority, for use only on the licensee's or owner's property or premises"

- 1.2 Activities under the private installations are as follows :

- i) operation of overhead lines or underground cables which crossed the road / bridge / river / telecommunication line / railway crossing owned by another person;
- ii) operation of electricity generation for own consumption in places where there is no supply from grid/utility/licensee;
- iii) operation of temporary supply from generator set for own consumption at the construction site, expo / funfair and exhibition;
- iv) operation of electricity generation for own consumption by using efficient technology such as co-generation; or
- v) operation of electricity generation for own consumption by using renewable energy resources such as solar photovoltaic system.

1.3 Activities under the public installations are as follows:

- i) the supply of electricity to consumers by electricity utilities such as TNB and SESB;
- ii) generation of electricity for the purpose of supplying/selling to utilities such as Independent Power Producers (IPP) and the Sustainable Energy Development Authority (SEDA) Feed-in Approval Holders (FIAH);
- iii) generation of electricity for own consumption by using renewable energy resources such as solar photovoltaic system and selling the excess energy to the grid under the Net Metering (NEM) Scheme;
- iv) generation of electricity with an efficient method such as co-generation for own consumption and supply/sell the surplus energy to others in the complex or specific areas such as Gas District Cooling (KLIA) Sdn. Bhd. at the airport; or
- v) the supply/sale of electricity and other services to users in complex or multi-storey buildings with electricity purchased from the utility such as operating of Malakoff Utilities in KL Sentral, Kuala Lumpur.

1.4 For activities under the NEM Scheme, the applicants must comply with requirement as stated in the "Guidelines For Solar Photovoltaic Installation On Net Energy Metering Scheme" issued by the Commission.

1.5 For the electricity generation activities which requires an interim licence before commercial operation date, the plant owner or operator can apply for a provisional licence which subject to the terms and conditions as prescribed by the Commission. The further requirement shall be discussed in the Section 4.0 to Section 6.0 of this guideline.

2.0 CRITERIA FOR CONSIDERATION OF LICENCE APPLICATION

2.1 In assessing an application for a licence, some consideration under the provisions of the Act and Energy Commission Act 2001 need to be fulfilled such as follows:

- i) to promote competition in the generation and supply of electricity to, among other things, ensure optimum supply of electricity at reasonable prices;
- ii) to promote and encourage the generation of energy for the economic development of Malaysia;
- iii) to ensure that all reasonable demands for electricity are met;
- iv) to ensure the interests of consumers in terms of prices, the security and reliability of supply and quality of service;
- v) to ensure the viability of the project and the licensee can sustain their licence activity throughout the licence period; and
- vi) to promote the use and supply of energy more efficiently.

2.2 Besides, the Government had also outlining some important policies related to the electricity supply industry which includes:

- i) diversifying fuel consumption and reduce dependence on particular fuel for electricity generation with the additional use of coal and hydro ;
- ii) use of renewable energy such as biomass (palm oil waste, rice husks, sawdust etc.), industrial waste (industrial waste gas) or solid waste (municipal waste and landfill gas);
- iii) use advanced or efficient technology such as co-generation and district cooling;
- iv) use of efficient technologies and methods in energy management and provision of other services that have value added to the users such as project Petronas CUF and Gas District Cooling (GDC);
- v) provide a more efficient service , fast , economical and satisfying to consumers such as electrical distribution in complex multi - tenant ;
- vi) use less electricity generation technologies that pollute the environment such as clean coal and fuel cell technology; and

- vii) promote the development of technologies or new methods such as demonstration projects or projects of R & D.

2.3 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 for a licence before commencement of an installation. Documents to be submitted by applicant shall include, but not limited to the information as listed below:

- i) a statutory document under the Companies Regulation 1966 such as Form 9, 13 (if any), 24, 32A (if any), 44, 49 and 55. The Commission requires a copy of the document that has been certified true copy to ensure that the company is a legal entity. Eligibility will be assessed based on the shareholders and paid up capital of the company.
- ii) a location plan and site plan in A4 or A3 size. This plan will be attached to the licence. In addition, the Commission also needs a high voltage and low voltage schematic drawing;
- iii) a project financial run is also one of the essential requirements to ensure that the applicant is able to carry out the activities until the end of the licence period. Applicants are required to complete a financial template that has been provided by the Commission;
- iv) a letter of intent from a financial institution stating its intention to finance the project. For the self-funding project, applicant has to submit the three months of recent financial statements of the company;
- v) the relevant approval letter from the Government's agencies, local authorities, financial institutions, TNB, SESB, SEDA and others; and
- vi) a summary of the project proposal.

2.4 Upon commissioning of an installation, the applicant is required to submit the following additional documents to relevant Commission's offices;

2.4 Upon commissioning of an installation, the applicant is required to submit the following additional documents to relevant Commission's offices;

- a) 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;
- b) Form H (Regulation 14 of the Electricity Regulations 1994) which is a testing certificate
- c) a copy of the registered competent person appointed by the licensee.

3.0 LICENCE APPROVAL PROCESS

Application of licence can be made through www.st.gov.my under "Online Services". Users will be directed to the list of services available under this guidelines by clicking icon "Licensing". In summary, the following medium will be used to process the relevant licence applications:

	Type Of Licence Application	Online Application System
1.	Private installation with capacity of less than 5 MW	Energy Commission Online System (ECOS), ecos.st.gov.my
2.	Private installation with capacity of 5 MW and above	Online Application System (OAS) oas.st.gov.my
3.	Public installation	
4.	Provisional licence	

Approval Process At Commission's Main Office

3.1 At the Commission's main office, the licence application for private installation with a capacity of 5 MW and above as well as an application of licence for public installation will be processed by Licensing Unit, Department of Industry Development and Electricity Market Regulation. It is advisable to submit the application at least 3 months before Initial Operation Date (IOD). The approval process involved:

- i) system registration of applicant's identification user name and password;

- ii) applicant fill up relevant information and submit supporting documents through OAS (note: the complete form must be printed out for endorsement and signed by Professional Engineer and applicant);
- iii) applicant made payment for licence processing fee (through online payment);
- iv) Licensing Unit will review and evaluate the application to ensure that the form is completed and all required documents are submitted.
- v) a working paper/proposal is prepared and submitted to the Commission's top management for review;
- vi) preliminary approval of the licence application by Licensing Board Committee;
- vii) follow with Commissioner's approval for licence application with less than 30MW capacity and Minister's approval is required for licence application with capacity of 30MW and above.
- viii) Licence is granted once applicant made licence fee payment according to the rate as specified in the Electricity Regulations 1994.

Once licence is issued, the licensee shall comply with the licence terms and conditions as prescribed by the licence conditions. The Licensing Unit will monitor the progress of project implementation and performance, ensure compliances and collect annual licence fee when due.

Approval Process At Commission's Regional Office

- 3.2 The licence application for private installation with capacity of less than 5 MW will be processed at the Commission's regional offices. Application can be made through the Energy Commission Online System (ECOS). The complete application with relevant supporting documents will be reviewed by relevant officers and will brought forward to Regional Director for consideration and approval. Licence is granted once payment of licence fee is made by the applicant. Subsequently, the Commission's Regional Offices will monitor licensee's performance, ensure compliances and collect licence fees when due.
- 3.3 The licence application process flow chart is shown in the following appendices;
 - a) Licensing approval process at the Commission's main office - **Appendix 1**
 - b) Licensing approval process at the Commission's regional office - **Appendix 2**

3.4 The licence application is made through online system. The following user guidelines are attached for reference;

- a) User guidelines for OAS - **Appendix 3**
- b) User guidelines for ECOS - **Appendix 4**

4.0 PROVISIONAL LICENCE

4.1 The issuance of provisional license is to assist applicant whose require an interim licence for the purpose of obtaining project financing, obtaining permission for plant reliability test or for the project development. The issuance of this licence is subject to project award letter from Government agencies.

4.2 This license is issued only for a temporary period before the commissioning of the power plant and it needs to be replaced with a permanent license before the plant started to operate. The applicant need to apply a permanent licence at least 90 working days before full operation. Please refer to Section 3.1 (a) for application of permanent licence

5.0 ELIGIBILITY CRITERIA FOR APPLICATION OF PROVISIONAL LICENCE

5.1 The applicant may submit an application as soon as all the required documents are ready. The list of documents that must be submitted to the Commission are as follows;

- i) A location plan and site plan in A4 or A3 size. This plan will be attached to the licence;
- ii) A schematic drawing of the high voltage and low voltage;
- iii) A project summary that describe in detail the activities that would be licensed;
- iv) A certificate issued by the Sustainable Energy Development Authority (SEDA) for the licence application whenever applicable;
- v) Commercial terms of the power plant

5.2 The Commission will request the other information and documents as and when is require.

6.0 PROVISIONAL LICENCE APPROVAL PROCESS

Installation Capacity Of Less Than 30 MW

- 6.1 The licence application will be processed by the Licensing Unit, Department of Industry Development and Electricity Market Regulation at the Commission's main office in accordance to the following steps:
- i) The applicant need to fill-up the Provisional Licence application form and submit relevant supporting document through online system (if available)
 - ii) Licensing Unit will review and evaluate the application to ensure that the form is completed and all required documents are submitted.
 - iii) A working paper/proposal is prepared and submitted to the Senior Director of the Department before being taken to the Management Meeting, chaired by Chief Executive Officer (CEO) of the Commission for approval;
 - iv) The licensee shall be inform the status of application. Before the licence is granted, the applicant is required to pay the licence fee at the rate specified in Section 4 of this guideline and to identify person in-charge for monthly progress report submission.
 - v) The Commission will issue a login ID & password to the person in-charge for the purpose of monthly progress report submission through OAS.
- 6.2 The licence application process flow chart for Provisional Licence – Installation capacity of less than 30 MW is shown in the **Appendix 5**.

Installation Capacity of 30 MW and above

- 6.3 For application with installation capacity of 30 MW and above, an approval from YB Minister is required. The licence application will be processed by the Licensing Unit, Department of Industry Development and Electricity Market Regulation at the Commission's main office in accordance to the following steps:
- i) The applicant need to fill-up the Provisional Licence application form and submit relevant supporting document through online system (if available)
 - ii) Licensing Unit will review and evaluate the application to ensure that the form is completed and all required documents are submitted.

- iii) A working paper/proposal is prepared and presented to the Joint Committee on Licensing for consideration;
- iv) Then, the paper will be presented at the Commission Board Meeting before forwarding to YB Minister for consideration and approval;
- vi) Once the approval granted by YB Minister, the approval letter will be issued by the commission to the applicant. The applicant is required to pay the licence fee at the rate specified in Section 4 of this guideline and to identify person in-charge for monthly progress report submission.
- vii) The Commission will issue a login ID & password to the person in-charge for the purpose of monthly progress report submission through OAS.
- v) The licensee shall submit project progress report through OAS online system. The licensee need to identify the person in-charge and subsequent to that Commission will issue a login ID to the system and a temporary password.

6.4 The licence application process flow chart is shown in the **Appendix 6**.

7.0 LICENCE FEES

7.1 The relevant licence fees are stipulated under Regulation 10 of the Electricity Regulations 1994, is as follows;

Regulation 10(1): *The fee payable for the issue for a public installation, other than the generation referred to in sub regulation (2), shall be on an annual basis and shall be at the rate as prescribed in Part III of the Second Schedule.*

Regulation 10(2): *The fee payable for the issue of a licence for a public installation for generating electricity using biomass, hydro power, solar power, geothermal power, wind power, waves and tides sources with aggregate power not exceeding 5 MW shall be paid on an annual basis and shall be at the rate as prescribed in Part III_A of the Second Schedule.*

Regulation 10(3): *The fee payable for the issue of a licence for a private installation shall be paid in full in accordance with the period of the licence and shall be at the rate prescribed in Part I_A of the Second Schedule.*

Regulation 10(4): All fees due under sub regulations (1), (2) and (3) above shall be made payable at the commencement year of the licence.

Regulation 10(5): Any fees paid before the date of coming into operation of Parts I_A, III and III_A of the Second Schedule shall not be refundable.

7.2 As mentioned in the above paragraph, the rates of licence fee for public installation is as set out in the following sub regulation;

Part III, subregulation 10(1) :

1. The rates to determine the fees payable on an annual basis for the issuance of a licence for a public installation, other than the generation referred to in subregulation 10(2), is as follows :

(a) before commissioning of any part of the installation –

1.1 cent per kilowatt based on the installation capacity as specified in the licence; and

(b) after the whole installation or any part of it has been completed, commissioned and is ready to deliver electricity to any person:

Installation Capacity	Types of Activities		
	Generation	Transmission	Distribution
Where the aggregate power is 5 kW and above	RM1.65/kW	RM0.33/kW	RM0.44/kW

7.3 Whereas, for public installation that generates electricity using biomass, biogas, hydropower, solar power, geothermal power, wind power, waves and tides sources with aggregate power not exceeding 5 MW, the fees are stipulated below:

Part IIIA, subregulation 10(2):

1. The rates to determine the fees payable on an annual basis for the issuance of a licence for a public installation for generating electricity using biomass, biogas, hydropower, solar power, geothermal power, wind power, waves and tides sources with aggregate power not exceeding 5 MW shall be as follows:

- (a) before commissioning of any part of the installation –
1.1 cent per kilowatt based on the installation capacity as specified in the licence; and
- (b) after the whole installation or any part of it has been completed, commissioned and is ready to supply electricity to any person –
RM1.65 per kW where the aggregate power of the installation capacity is more than 5 kW .

Minimum fees payable under this Part shall be RM100.00 and maximum fees shall be RM 2,200.00.

- 7.4 A processing fee of RM100 shall be charged for an application of a licence.
- 7.5 After the issuance of licence, any application to amend the licence conditions or to replace the licence, is also subject to a fee of RM100. Any ammendment to the conditions of the licence shall be subjected to such terms and conditions as the Commission may impose.
- 7.6 The license fees for private installation are as follows;

Part 1A, subregulation 10(3):

	Installation Capacity	Fees per year
(a)	For each installation of 10 kW or less	RM30
(b)	For each installation above 10kW to 50kW	RM165
(c)	For each installation above 50kW to 100kW	RM550
(d)	For each installation above 100kW to 300kW	RM1,100
(e)	For each installation above 300kW to 600kW	RM1,650
(f)	For each installation above 600kW and 5,000 kW	RM2,200
(g)	For each installation above 5,000 kW	RM3,000

8.0 OFFENCES

- 8.1 Any person who contravene with Section 9 of the Act, are subjected to the following offences:

Section 37: Offences

(4) Any person who, in contravention of section 9, uses, works or operates, or permits to be used, worked or operated any installation shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding fifty thousand ringgit and to a further fine not exceeding one thousand ringgit for every day or part of a day during which the offence continues after conviction.

(5) Any person who, in contravention of section 9, supplies electricity from an installation to or for the use of any person shall be guilty of an offence and shall, on conviction, be liable to a fine not exceeding one hundred thousand ringgit and to a further fine not exceeding one thousand ringgit for every day or part of a day during which the offence continues after conviction.

- 8.2 Any person who used, worked and operated any electrical installation, must comply with these guidelines. Failure to comply with, will be subjected to legal action under Section 50_E of the Act;

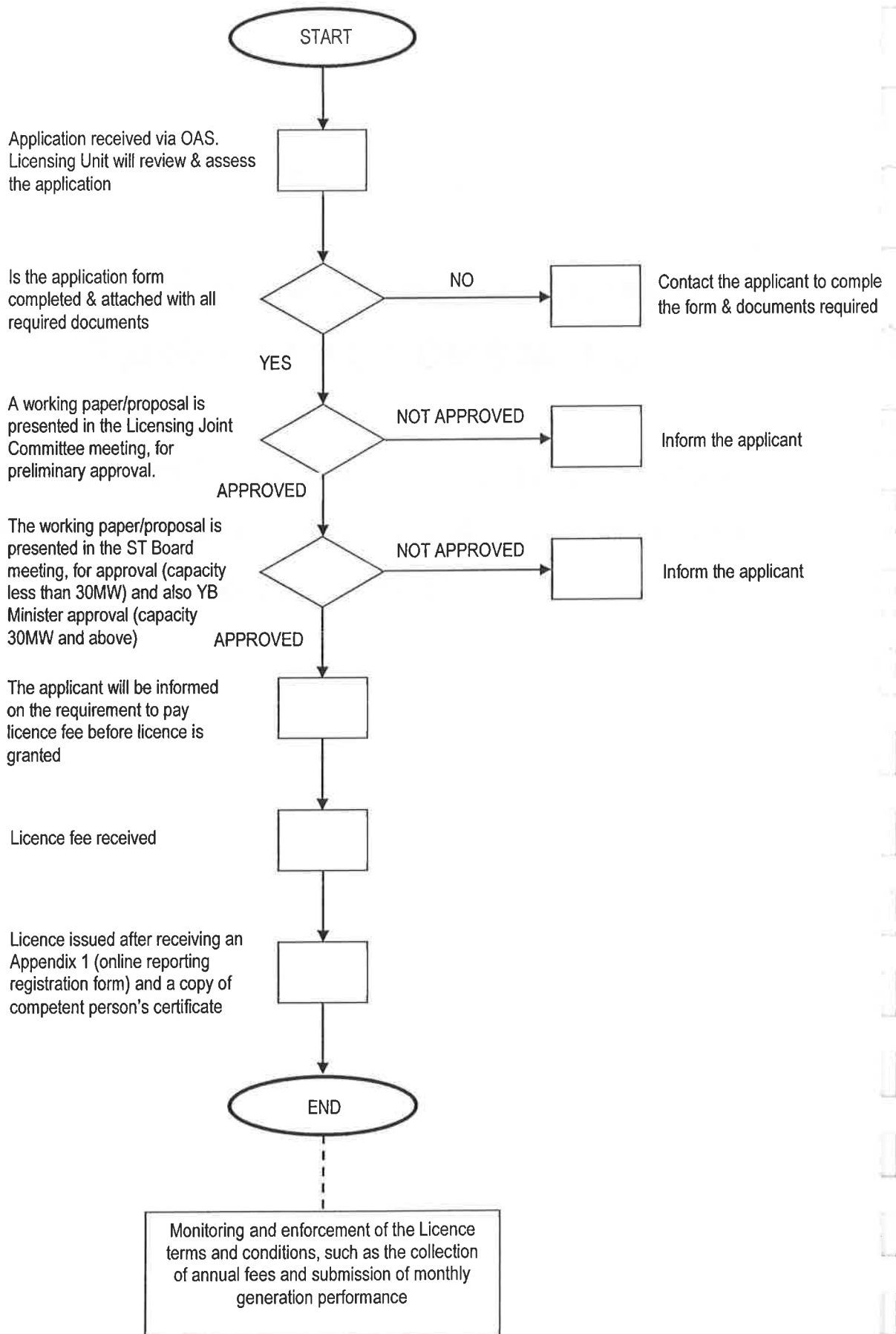
Section 50_E: Offences for non-compliance with codes, guidelines or directions of the Commission

A person who fails to comply with any codes, guidelines or directions of the Commission issued under this Act commits an offence and shall, on conviction, be liable to a fine not exceeding two hundred thousand ringgit or to imprisonment for a term not exceeding two years or to both.

APPENDIX 1

LICENSING APPROVAL PROCESS AT THE COMMISSION'S MAIN OFFICE

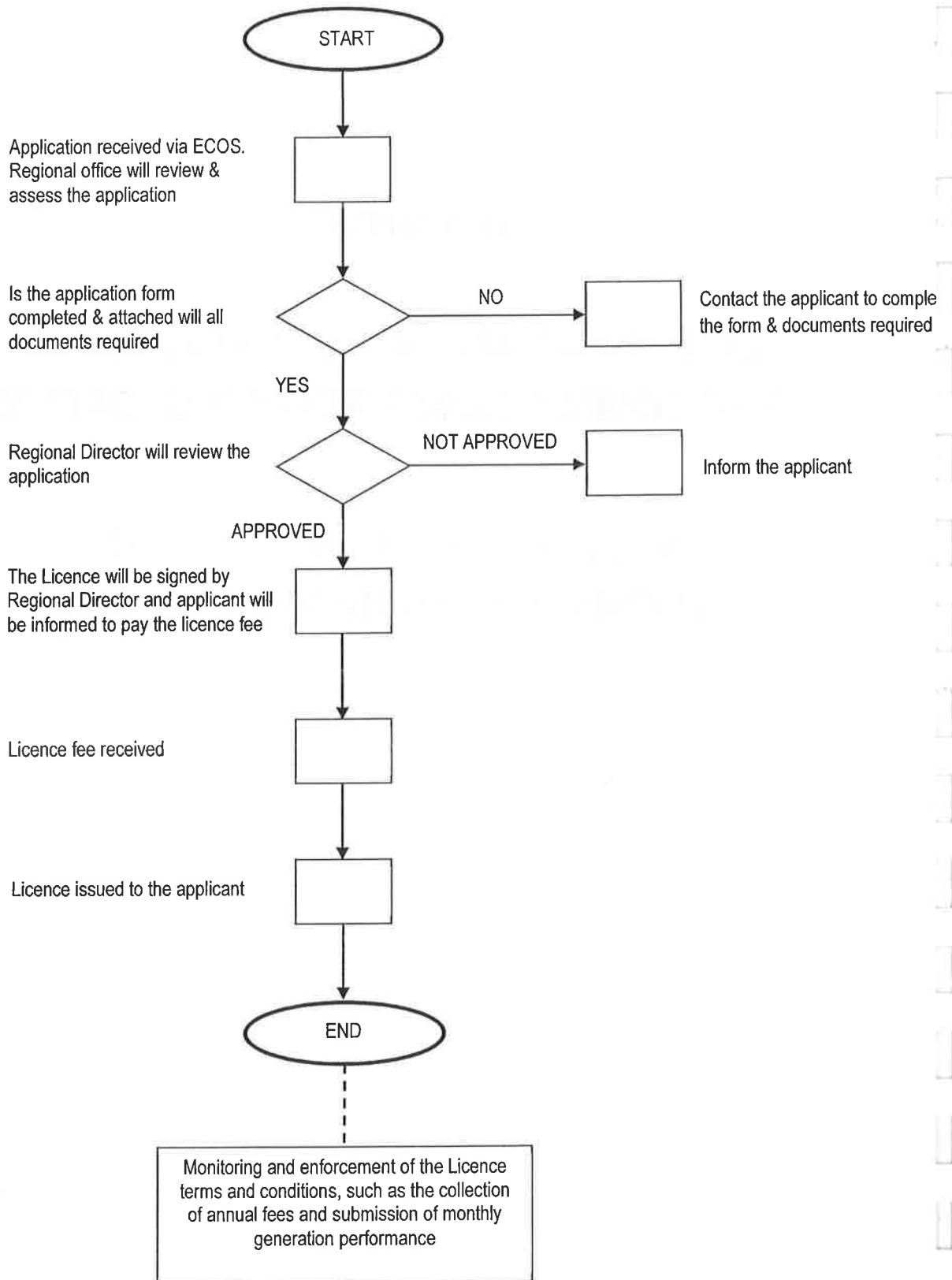
**Licence application for operation of private
installation (capacity 5MW and above) and
public installation**



APPENDIX 2

LICENSING APPROVAL PROCESS AT THE COMMISSION'S REGIONAL OFFICE

**Licence application for operation of private
installation (capacity less than 5MW)**



APPENDIX 3

USER GUIDELINE FOR OAS



Manual Pengguna

Online Application System (OAS)

**Pendaftaran Pengguna dan
Pengurusan Penggunaan Sistem**

OAS/DOC/03-011

Isi Kandungan

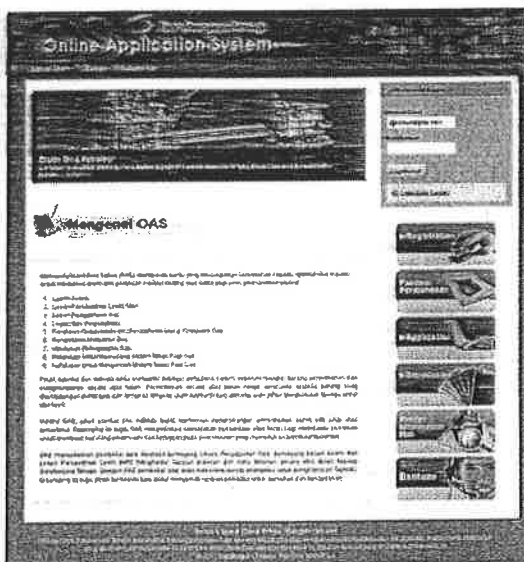
Isi Kandungan	2
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2. E-Registration	4
Pendaftaran sebagai Pengguna Syarikat.....	4
Pendaftaran sebagai Pengguna Individu.....	6
3. Login ke dalam OAS	7
4. Dashboard dan E-Application	8
Dashboard.....	8
E-Application.....	8
5. Maklumat Syarikat (Kemaskini Maklumat Pendaftaran)	10
6. Maklumat Pengguna (Kemaskini Maklumat Pendaftaran).....	11
7. Kata Laluan	12

1. Pengenalan



Sistem Aplikasi Atas Talian (OAS) merupakan portal yang menyediakan kemudahan kepada syarikat dan individu untuk memohon lesen dan perakuan melalui borang atas talian bagi jenis permohonan berikut:

- Lesen Awam
- Lesen Persendirian Lebih 5MW
- Lesen Penggunaan Gas
- Lesen Gas Persendirian
- Perakuan Kompetensi dan Pendaftaran Orang Kompeten Gas
- Pendaftaran Kontraktor Gas
- Kelulusan Kelengkapan Gas
- Kelulusan Untuk Memasang Sistem Talian Paip Gas
- Kelulusan Untuk Mengendali Sistem Talian Paip Gas



Pihak syarikat dan individu perlu mendaftar sebagai pengguna sistem sebelum mengisi borang permohonan dan menghantarnya secara atas talian. Permohonan secara atas talian hanya sempurna apabila borang yang ditandatangani (hardcopy) dan lampiran lengkap (softcopy/hardcopy) diterima oleh pihak Suruhanjaya Tenaga untuk diproses.

Melalui OAS, pihak syarikat dan individu dapat menyemak perkembangan permohonan sama ada lulus atau sebaliknya. Disamping itu juga, OAS menyediakan kemudahan komunikasi atas talian bagi membantu pemohon untuk membuat sebarang pertanyaan dan keraguan pada permohonan yang memerlukan justifikasi terperinci.

OAS memudahkan pembekal data daripada pemegang Lesen Penggunaan Gas, pemegang Lesen Awam dan Lesen Persendirian Lebih 5MW menghantar laporan bulanan dan suku tahunan secara atas talian kepada Suruhanjaya Tenaga. Dengan OAS pembekal data akan menerima mesej peringatan untuk penghantaran laporan. Disamping itu juga, pihak pembekal data dapat menyemak laporan berkaitan untuk semakan dan pengesahan.

2. E-Registration



- Pelanggan ST yang hendak menggunakan perkhidmatan OAS perlu mendaftar sebagai pengguna terlebih dahulu.
- Pada halaman utama OAS, klik pada ikon e-Registration.



- Pilih jenis pendaftaran sama ada hendak mendaftar sebagai **Syarikat** atau **Individu**.

Pendaftaran sebagai Pengguna Syarikat

e-Registration » Syarikat

Maklumat Pengguna

Maklumat Syarikat

*No. ROC/ROB : Semak (cth: 132423U)

*Nama Syarikat :

- Masukkan No.ROC/ROB dan klik Semak. (Format No.ROC/ROC ialah **132423U**)

Maklumat Syarikat

*No. ROC/ROB : Semak (cth: 132423U)

*Nama Syarikat :

Maklumat Log Masuk

*Email (ID Pengguna) : Semak

*Kata Laluan :

*Ulang Kata Laluan :

- Masukkan Email (sebagai ID Pengguna) dan klik Semak.

The screenshot shows a registration form with three main sections:

- Maklumat Syarikat:** Fields for *No. ROC/ROB (90212T), *Nama Syarikat (Power Hackers Solution Sdn. Bhd), and a Semak button with a note (cth: 152423U).
- Maklumat Log Masuk:** Fields for *Email (ID Pengguna) (powersolution@yahoo.com), *Kata Laluan (password), and *Ulang Kata Laluan (confirm password), with a Semak button.
- Maklumat Pengguna (Pentadbir Syarikat):** Fields for *Nama Penuh (Azman Ali), *No. MyKad (780919145567), and *Jawatan (Pengurus Projek), with a Semak button and a note (cth: 123456789012).

- Lengkapkan semua maklumat **Nama Syarikat**, **Kata Laluan** dan maklumat **Pentadbir Syarikat**.
- Klik pada butang **Seterusnya** 
- Lengkapkan semua maklumat **Alamat Tetap** dan **Alamat Surat Menyurat**

The screenshot shows the address registration section of the form:

- Alamat:** Fields for *Nama, *Postkod, *Negara (dropdown: Sila pilih), *Negeri (dropdown: Sila pilih), *Bandar (dropdown: Sila pilih), *No. Telefon, No. Telefon Bimbit, and No. Faks.
- Alamat Surat Menyurat:** A checkbox for Sama seperti di atas, followed by fields for *Alamat, *Postkod, *Negara (dropdown: Sila pilih), *Negeri (dropdown: Sila pilih), *Bandar (dropdown: Sila pilih), *No. Telefon, No. Telefon Bimbit, and No. Faks.
- Buttons for **Seterusnya** and **Hantar**.

- Setelah semua maklumat diisi, klik **Hantar** untuk melengkapkan proses pendaftaran.
- Sistem akan memaparkan mesej “Pendaftaran anda telah berjaya. Sila semak emel anda untuk mengaktifkan pendaftaran. Terima kasih”
- Semak email anda untuk mengesahkan pendaftaran.

Pendaftaran sebagai Pengguna Individu

Maklumat Log Masuk	
*No. MyKad :	<input type="text" value="770912145571"/> <input type="button" value="Semak"/> (cth: 123456789012)

- Masukkan No. Mykad (No. Kad Pengenalan) dan klik Semak.

Maklumat Log Masuk	
*No. MyKad :	<input type="text" value="770912145571"/> <input type="button" value="Semak"/> (cth: 123456789012)
*Email (ID Pengguna) :	<input type="text" value="razman@yahoo.com"/> <input type="button" value="Semak"/>

- Masukkan Email (sebagai ID Pengguna) dan klik Semak.

Maklumat Log Masuk	
*No. MyKad :	<input type="text" value="770912145571"/> <input type="button" value="Semak"/> (cth: 123456789012)
*Email (ID Pengguna) :	<input type="text" value="razman@yahoo.com"/> <input type="button" value="Semak"/>
*Kata Laluan :	<input type="text"/>
*Ulang Kata Laluan :	<input type="text"/>
*Nama Penuh :	<input type="text"/>
<input type="button" value="Seterusnya >"/>	

- Lengkapi maklumat Nama Penuh dan Kata Laluan.
- Klik pada butang Seterusnya
- Lengkapi semua maklumat Alamat Tetap dan Alamat Surat Menyurat
- Setelah semua maklumat diisi, klik Hantar untuk melengkapkan proses pendaftaran.
- Sistem akan memaparkan mesej "Pendaftaran anda telah berjaya. Sila semak emel anda untuk mengaktifkan pendaftaran. Terima kasih"
- Semak email anda untuk mengesahkan pendaftaran.

3. Login ke dalam OAS



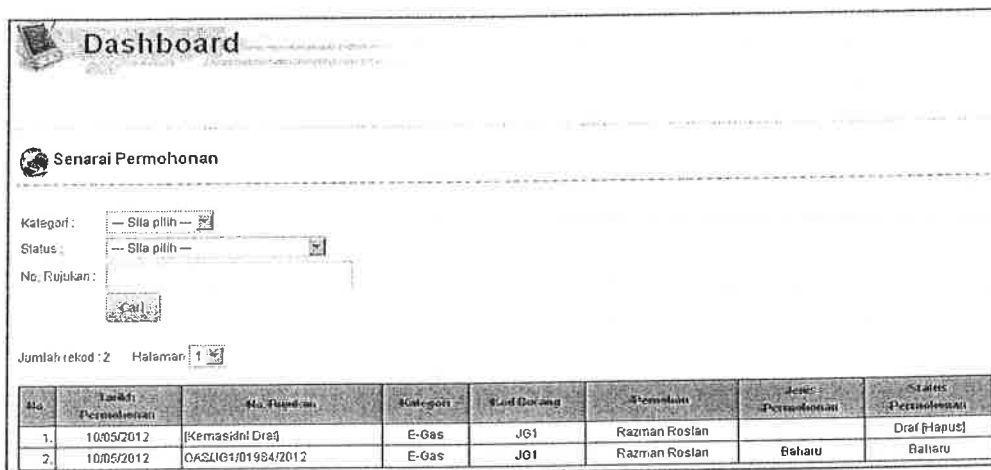
The screenshot shows a login form with the following elements:

- Title: Log Masuk
- Field 1: Alamat Emel
- Field 2: Kata Laluan
- Button: Log Masuk
- Link: Lupa Kata Laluan

- Login menggunakan Alamat Emel dan Kata Laluan yang digunakan semasa pendaftaran.
- Selepas login pengguna akan mendapat akses menu seperti berikut
 - Dashboard
 - E-Application
 - Maklumat Pengguna (*bagi pengguna Individu*)
 - Maklumat Syarikat (*bagi pengguna Syarikat*)
 - Kata Laluan (*untuk menukar Kata Laluan*)

4. Dashboard dan E-Application

Dashboard



Dashboard

Senarai Permohonan

Kategori:

Status:

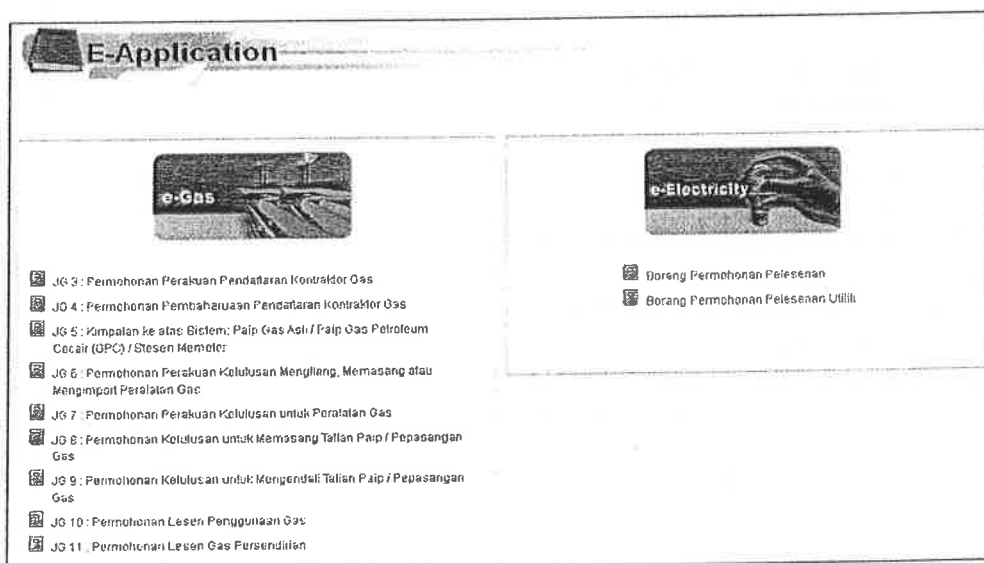
No. Rujukan:

Jumlah rekod: 2 Halaman: 1


No.	Tarikh Permohonan	No. Tujukan	Kategori	Kard Daerah	Permohon	Jenis Permohonan	Status Permohonan
1.	10/05/2012	Kemaskini Draft	E-Gas	JG1	Razman Roslan		Draf [Hapus]
2.	10/05/2012	OKSLIG1/01984/2012	E-Gas	JG1	Razman Roslan	Baharu	Baharu

- Selepas login, pengguna akan terus dipaparkan kepada menu Dashboard.
- Dashboard akan memaparkan senarai permohonan yang telah dipohon oleh pengguna berserta status permohonan.
- Untuk melihat semula maklumat permohonan, klik pada pautan **No. Rujukan**.
- Untuk mengemaskini semula draf permohonan, klik pada pautan **Kemaskini Draft**.

E-Application




E-Application



e-Gas

- JG 3 : Permohonan Perakuan Pendaftaran Kontraktor Gas
- JG 4 : Permohonan Pembaharuan Pendaftaran Kontraktor Gas
- JG 5 : Kimpalan ke atas Sistem: Paip Gas Asli / Paip Gas Petroleum Cetair (GPC) / Stesen Memeter
- JG 6 : Permohonan Perakuan Kelulusan Mengilang, Memasang atau Menghantar Peralatan Gas
- JG 7 : Permohonan Perakuan Kelulusan untuk Peralatan Gas
- JG 8 : Permohonan Kelulusan untuk Memasang Tali Paip / Pemasangan Gas
- JG 9 : Permohonan Kelulusan untuk Mengendali Tali Paip / Pemasangan Gas
- JG 10 : Permohonan Lesen Penggunaan Gas
- JG 11 : Permohonan Lesen Gas Pर्सendirian



e-Electricity

- Borang Permohonan Pelesenan
- Borang Permohonan Pelesenan Utiliti

- Pada senarai menu, pilih menu **e-Application**
- Senarai borang permohonan akan dipaparkan yang terdiri daripada borang e-Gas dan e-Electricity

Jenis Pengguna	e-Gas	e-Electricity
Syarikat	<ul style="list-style-type: none"> • JG 3 : Permohonan Perakuan Pendaftaran Kontraktor Gas • JG 4 : Permohonan Pembaharuan Pendaftaran Kontraktor Gas • JG 5 : Kimpalan ke atas Sistem: Paip Gas Asli / Paip Gas Petroleum Cecair (GPC) / Stesen Memeter • JG 6 : Permohonan Perakuan Kelulusan Mengilang, Memasang atau Mengimport Peralatan Gas • JG 7 : Permohonan Perakuan Kelulusan untuk Peralatan Gas • JG 8 : Permohonan Kelulusan untuk Memasang Talian Paip / Pemasangan Gas • JG 9 : Permohonan Kelulusan untuk Mengendali Talian Paip / Pemasangan Gas • JG 10 : Permohonan Lesen Penggunaan Gas • JG 11 : Permohonan Lesen Gas Persendirian 	<ul style="list-style-type: none"> • Borang Permohonan Pelesenan • Borang Permohonan Pelesenan Utiliti
Individu	<ul style="list-style-type: none"> • JG 1 : Permohonan Sebagai Orang Kompeten Gas • JG 2 : Permohonan Pendaftaran Orang Kompeten Gas • JG 5 : Kimpalan ke atas Sistem: Paip Gas Asli / Paip Gas Petroleum Cecair (GPC) / Stesen Memeter • JG 6 : Permohonan Perakuan Kelulusan Mengilang, Memasang atau Mengimport Peralatan Gas • JG 7 : Permohonan Perakuan Kelulusan untuk Peralatan Gas • JG 8 : Permohonan Kelulusan untuk Memasang Talian Paip / Pemasangan Gas • JG 9 : Permohonan Kelulusan untuk Mengendali Talian Paip / Pemasangan Gas • JG 10 : Permohonan Lesen Penggunaan Gas • JG 11 : Permohonan Lesen Gas Persendirian 	<ul style="list-style-type: none"> • Borang Permohonan Pelesenan • Borang Permohonan Pelesenan Utiliti

- Untuk memohon, klik pada senarai borang yang dipaparkan.

5. Maklumat Syarikat (Kemaskini Maklumat Pendaftaran)

Maklumat Syarikat		Maklumat Cawangan	
Kemaskini Maklumat Syarikat		Tambah Cawangan	
E-Mel (ID Pengguna)	lva@oas.sl [Kemaskini]	No.	Maklumat Cawangan
Nama Syarikat	LAVA SYSTEMS X2		
No. ROC/ROB	88812X		
Alamat Tetap			
Alamat	TINGKAT 10 TAMAN USAHA SAMA CHERAS 68100 KUALA LUMPUR WILAYAH PERSEKUTUAN		
No. Telefon	034040412		
No. Telefon Bimbit	-		
No. Faksimili	-		
Alamat Surat Menyurat			
Alamat	TINGKAT 10 TAMAN USAHA SAMA CHERAS 68100 KUALA LUMPUR WILAYAH PERSEKUTUAN		
No. Telefon	034040412		
No. Telefon Bimbit	-		
No. Faksimili	-		
Maklumat Pemohon (Pentadbir Syarikat)			
Nama Penuh	MOHD ALI		
No. MyKad	82111146441		
Jawatan	PENGURUS		

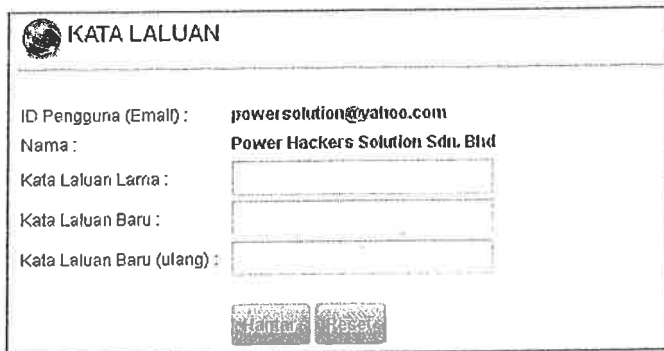
- Pada menu **Maklumat Syarikat** akan dipaparkan maklumat syarikat.
- Untuk mengemaskini Maklumat Syarikat, klik pada link [**Kemaskini Maklumat Syarikat**].
- Untuk mengemaskini Emel (ID Pengguna), klik pada link [**Kemaskini**].
- Untuk memasukkan maklumat cawangan, klik pada link [**Tambah Cawangan**].

6. Maklumat Pengguna (Kemaskini Maklumat Pendaftaran)

MAKLUMAT PENGGUNA	
Kemaskini Maklumat Pengguna	
Email :	razman@yahoo.com [Kemaskini]
Nama Penuh :	Razman Rostan
No. MyKad :	770912145571
Alamat Tetap :	No. 23, Jalan SS9/11 Taman Jaya 84912 SUBANG JAYA Selangor
Alamat Surat Menyurat :	No. 23, Jalan SS9/11 Taman Jaya 84912 SUBANG JAYA Selangor

- Pada menu **Maklumat Pengguna** akan dipaparkan maklumat pengguna.
- Untuk mengemaskini maklumat pendaftaran, klik pada link **[Kemaskini Maklumat Pengguna]**.
- Untuk mengemaskini Emel (ID Pengguna), klik pada link **[Kemaskini]**.

7. Kata Laluan



KATA LALUAN

ID Pengguna (Email): **powersolution@yahoo.com**
Nama: **Power Hackers Solution Sdn. Bhd**

Kata Laluan Lama:

Kata Laluan Baru:

Kata Laluan Baru (ulang):

- Untuk menukar kata laluan, klik pada menu **Kata Laluan**.



Manual Pengguna

OAS – Online Application System

Permohonan Pelesenan Awam & Persendirian

Kandungan

1. Pengenalan	3
2. Log Masuk ke dalam OAS	3
3. Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan SMW Ke Atas) .	4
Bahagian A	5
Bahagian B.....	6
Pembahagian Lampiran Berdasarkan Pemilihan Aktiviti	6
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1. Pengenalan

Borang ini hendaklah diisi oleh pemohon ataupun juruperunding yang dilantik bagi pihak pemohon untuk memohon Lesen Awam atau Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas).

2. Log Masuk ke dalam OAS

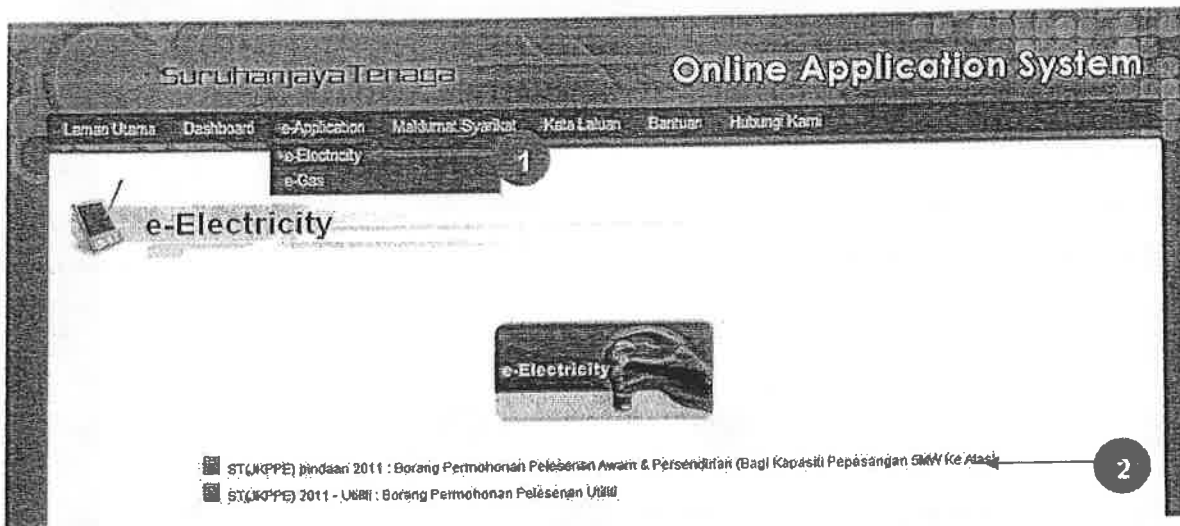


Rajah 1

Nota: Sistem OAS ini sesuai dipapar menggunakan perisian pelayar Internet Explorer 9.0 (dan ke atas), Mozilla Firefox 4.0 (dan ke atas) dan Google Chrome 4.0 (dan ke atas) dengan resolusi 1024 x 768.

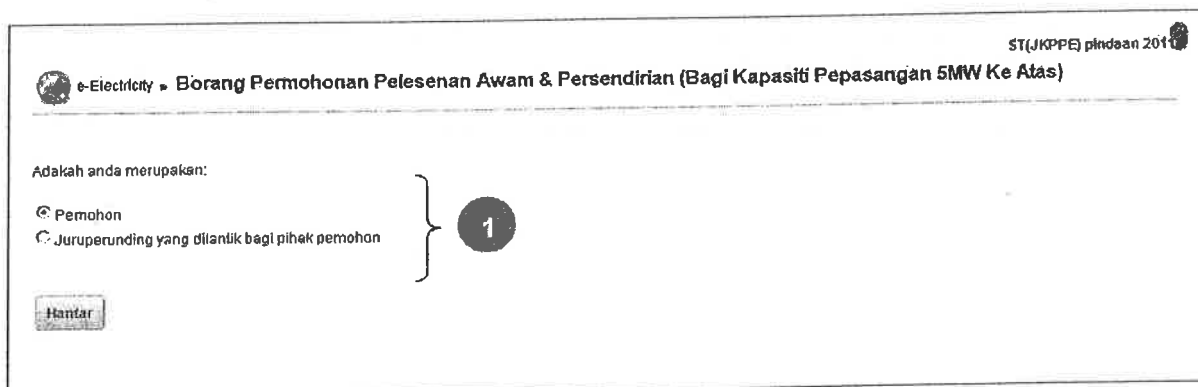
1. Masukkan alamat portal OAS, <http://oas.st.gov.my> ke pelayar (*browser*) anda.
Pada kotak Log Masuk (*Rajah 1*), taipkan Alamat Emel dan Kata Laluan yang digunakan semasa pendaftaran.
2. Tekan bebutang Log Masuk.
3. Selepas login pengguna akan mendapat akses menu seperti berikut
 - Dashboard
 - E-Application
 - Panduan
 - Maklumat Pengguna (*bagi pengguna Individu*)
 - Maklumat Syarikat (*bagi pengguna Syarikat*)
 - Kata Laluan (*untuk menukar Kata Laluan*)
 - Maklum Balas dan Bantuan

3. Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas)



Rajah 2

1. Klik pada menu e-Application dan klik pada menu e-Electricity.
2. Klik pada pautan ST(JKPPE) pindaan 2011 : Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas).



Rajah 3

1. Sila buat pilihan dengan klik pada Pemohon atau Juruperunding
2. Klik pada bebutang Hantar.

Bahagian A

Suruhanjaya Tenaga Online Application System

Laman Utama Dashboard e-Application Maklumat Syarikat Kata Laluan Bantuan Hubungi Kami

ST(JKPPE) pindaan 201

e-Electricity » Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas)

Ruangan yang bertanda (*) perlu diisi.

Bahagian A Bahagian B Bahagian C Bahagian D Bahagian E Bahagian F

Bahagian A : JENIS PERMOHONAN

*Sila pilih Jenis Permohonan :

Lesen Awam

Lesen Persendirian (bagi kapasiti pemasangan 5 MW ke atas)

*Penjanaan / Penjualan menggunakan Sistem Solar Fotovoltaik (PV) :

Ya

Tidak

*Sila pilih :

Sistem satu fasa, pada voltan melebihi voltan rendah dengan kapasiti melebihi 24kW

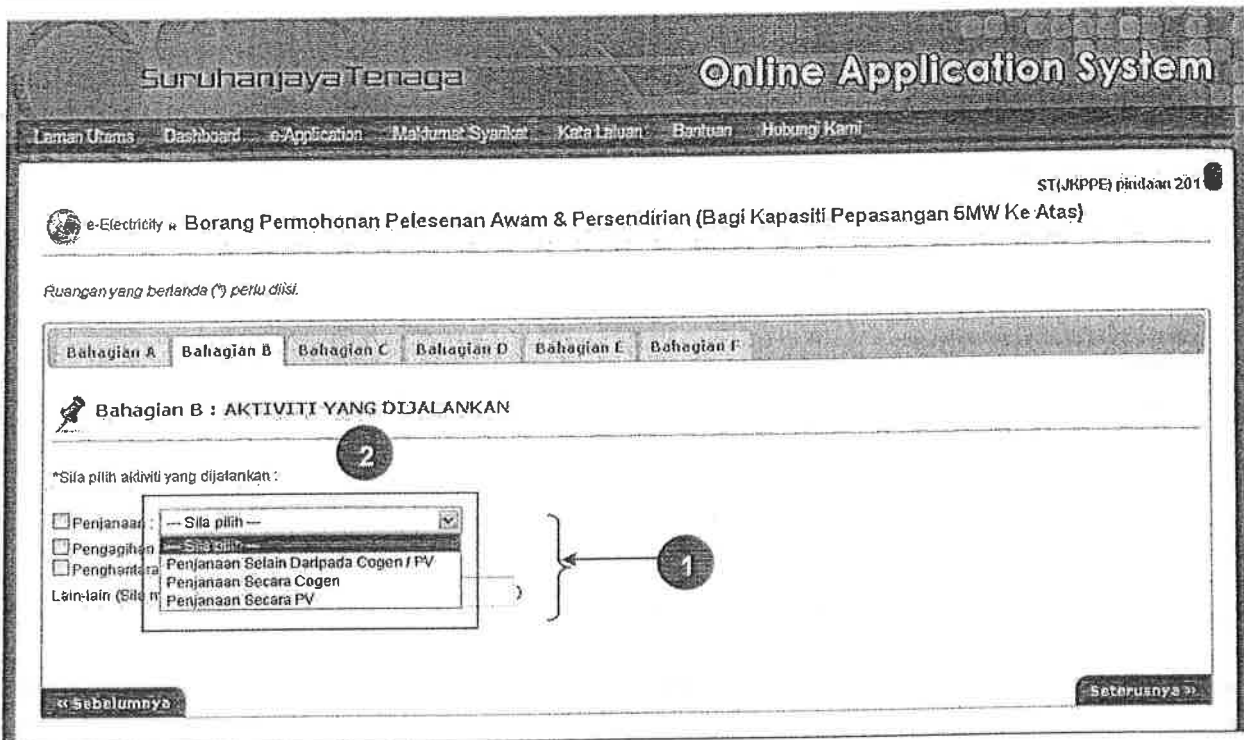
Sistem tiga fasa, pada voltan melebihi voltan rendah dengan kapasiti melebihi 72kW

Seterusnya >

Rajah 4

1. Sila buat pilihan di bahagian *Sila pilih Jenis Permohonan :
 - a. Jika anda memilih Lesen Awam, pilihan *Penjanaan / Penjualan menggunakan Sistem Solar Fotovoltaik (PV) akan dipaparkan
 - b. Jika anda memilih Ya, pilihan *pilihan Sila pilih akan dipaparkan
2. Klik Seterusnya

Bahagian B



Rajah 5

1. Pada Bahagian B, sila pilih aktiviti yang dijalankan dengan menandakan pada kotak yang berkenaan.
2. Sila ambil perhatian terdapat 3 pilihan lagi jika memilih Penjanaan
3. Lampiran-lampiran yang berkenaan dengan aktiviti yang dipilih akan dipaparkan.
4. Sila masukkan maklumat-maklumat yang berkaitan.

Pembahagian Lampiran Berdasarkan Pemilihan Aktiviti

1. Pemilihan aktiviti akan memaparkan lampiran-lampiran yang berhubungkait dan pengguna dikehendaki mengisi lampiran- lampiran ini seperti di Rajah 6

Aktiviti / Lampiran	1	2	3	4	5	6
Penjanaan						
- Penjanaan Selain daripada Cogen / PV	x			x		
- Penjanaan secara Cogen		x		x		
- Penjanaan secara PV			x			
Pengagihan					x	
Penghantaran						x

Rajah 6

Lampiran 1 - Maklumat Pemasangan Bagi Aktiviti Penjanaan

Lampiran 1
Lampiran 4

Maklumat Pemasangan Bagi Aktiviti Penjanaan

1. Jenis dan Kapasiti

*Jenis loji janakuasa :

- PV Modul
- Enjin Diesel
- Turbin Gas Kitar Terbuka atau Kitar Padu
- Turbin Stim
- Turbin Angin
- Hidro

*Keupayaan setiap unit penjanaan

Unit 1 : kW

Unit 2 : kW

Unit 3 : kW

Unit 4 : kW

*Volan penjanaan : kW

2. Bahan api

*Jenis bahan api :

- Solar -- Sila pilih --
- Gas -- Sila pilih --
- Diesel -- Sila pilih --
- Arang Batu -- Sila pilih --
- Biomass -- Sila pilih --
- Biogas -- Sila pilih --
- Landfill Gas -- Sila pilih --
- Oil -- Sila pilih --
- Lain-lain (Nyatakan)

*Nilai kalori (pada lower heating value) : kJ/kg

*Kegunaan untuk primary firing : kJ/kg

*Kegunaan untuk supplementary firing : kJ/kg

*Kuaditi bahan api setahun : kJ

3. Kecukupan loji dan Availability

*Kecukupan thermal setiap janakuasa : %

*Kecukupan keseluruhan stesen penjanaan : %

*Availability / tahun : %

*Sistem Saluran Elektrik Dipasang :

- Di atas tanah pemilik Janakuasa sahaja.
- Melintasi tanah kerajaan, sungai, jalan raya, kabel-telekom dan landasan kereta api.
- Melintasi tanah kepunyaan orang lain.

« Sebelumnya
Seterusnya »

Rajah 7

Lampiran 2 - Maklumat Pemasangan Bagi Aktiviti Penjanaan - Sistem Cogeneration

Lampiran 2	Lampiran 4	Lampiran 5	Lampiran 6
Maklumat Pemasangan Bagi Aktiviti Penjanaan - Sistem Cogeneration			
1. Tenaga Thermal Dikeluarkan			
*Output loji cogeneration (selain tenaga elektrik)			
Stim :	<input type="text"/>	Bar	<input type="text"/>
Air panas :	<input type="text"/>	Ton/jam	<input type="text"/> °C
Air sejuk :	<input type="text"/>	Liter/jam	<input type="text"/> °C
Lain-lain (sila nyatakan) :	<input type="text"/>	Liter/jam	<input type="text"/> °C
*Nisbah pengeluaran tenaga haba berbanding dengan tenaga elektrik :	<input type="text"/>	<input type="text"/>	<input type="text"/>
2. Kecekapan Loji			
Kecekapan loji janakuasa elektrik :	<input type="text"/>	%	
Kecekapan dandang :	<input type="text"/>	%	
*Kecekapan thermal keseluruhan loji cogeneration :	<input type="text"/>	%	
3. Kapasiti Penjanaan dan Kegunaan Tenaga Keseluruhan			
*Jumlah kapasiti penjanaan :	<input type="text"/>	kW	
*Kapasiti maksimum untuk dieksport/dilagih :	<input type="text"/>	kW	
*Jumlah tenaga elektrik yang dijana setahun :	<input type="text"/>	kWh	
*Jumlah tenaga elektrik yang digunakan untuk pemasangan sendiri setahun :	<input type="text"/>	kWh	
*Jumlah tenaga elektrik yang dieksport setahun :	<input type="text"/>	kWh	
Kapasiti pengeluaran tenaga haba loji cogeneration (stim, air panas, air sejuk dsb) :	<input type="text"/>	kJ/jam	
Keperluan tenaga haba untuk kegunaan sendiri :	<input type="text"/>	kJ/jam	
Kapasiti Tenaga Haba untuk dieksport :	<input type="text"/>	kJ/jam	
*Kapasiti bekalan untuk kegunaan sendiri :	<input type="text"/>	kW	
Jumlah bekalan tambahan (top-up) tenaga elektrik (jika diperlukan dari pihak lain) :	<input type="text"/>	kW	
*Bekalan jangka sedia tenaga elektrik			
Firm :	<input type="text"/>	kW	
Non-firm :	<input type="text"/>	kW	
*Jumlah penggunaan tenaga elektrik setahun :	<input type="text"/>	kWh	
« Sebelumnya		Seterusnya »	

Rajah 8

Lampiran 3 - Maklumat Pemasangan Bagi Aktiviti Penjanaan - Sistem Solar Fotovoltaik (PV)

Lampiran 3
Lampiran 5
Lampiran 6

Maklumat Pemasangan Bagi Aktiviti Penjanaan - Sistem Solar Fotovoltaik (PV)

1. Loji Janakuasa

» Tambah Unit

Unit	Keupayaan Setiap Unit Penjanaan (kW)	Voltan (kV)	Fasa (Hz)	Frekuensi Penjanaan

2. Butir-butir Sistem PV

*Anggaran penjanaan maksima : kW

*Anggaran jumlah pengeluaran tenaga setahun : kWj

3. Kos Pelaburan, Penjanaan dan Tarif Jualan

*Jumlah kos seunit tenaga elektrik dijana : sen/kWj

*Kadar Tarif Galakan (*FIT rate*) : sen/kWj

*Kos keseluruhan pemasangan PV (RM) :

*Tempoh bayar balik (*pay back period*; pelaburan pemasangan PV) : tahun

*Internal Rate Of Return (*IRR*) : %

« Sebelumnya
Seterusnya »

Rajah 9

Lampiran 4 - Anggaran Kos Bagi Aktiviti Penjanaan & Penjualan Tenaga

Lampiran 1 Lampiran 4 Lampiran 5 Lampiran 6

Anggaran Kos Bagi Aktiviti Penjanaan & Penjualan Tenaga

1. Penjanaan & Penjualan Tenaga

*Jumlah kos seunit tenaga elektrik dijana : sen/kWh

Jumlah kos seunit tenaga haba (stim) dihasilkan : sen/kJ

*Kos bahan api : sen/kWh

*Kos operasi dan penyelenggaraan : sen/kWh

*Kos pelaburan projek (RM) :

*Kos keseluruhan loji (RM) :

*Tempoh bayar balik (*pay back period*) : tahun

**Internal Rate Of Return (IRR)* : %

Jika melibatkan penjualan tenaga, sila nyatakan cadangan kadar tarif tenaga elektrik yang akan dikenakan kepada pengguna : sen/kWh

Harga jualan seunit tenaga elektrik

 kepada pengguna mengikut PPA, atau : sen/kWh

 kepada utiliti mengikut REPPA : sen/kWh

Harga jualan seunit tenaga stim kepada pengguna : sen/kJ

Sebelumnya Seterusnya

Rajah 10

Lampiran 5- Maklumat Pemasangan Bagi Aktiviti Pengagihan

Lampiran 1
Lampiran 4
Lampiran 5
Lampiran 6

Maklumat Pemasangan Bagi Aktiviti Pengagihan

1. Sistem Pengagihan

*Jumlah keupayaan sistem pengagihan : kW

*Kehendak Maksimum : kW

*Punca bekalan :

Penjanaan sendiri
 SESB
 TNB
 Lain-lain (Nyatakan)

*Voltan punca bekalan : kV

*Voltan pengagihan : kV

*Sistem agihan :

Talian atas
 Kabel bawah tanah
 Pendawaian dalaman
 Lain-lain (Nyatakan)

Loji Janakussa Tunggusedia (jika ada) : kW

Kehilangan sistem (System losses) : %

2. Pembekalan

Mebelian	Akan Pemasang		
	Amalan	Komersial	Domestik
*Bilangan pengguna			
*Jumlah jualan tenaga elektrik setahun yang dijangka kepada pengguna (kWh)			
*Jumlah anggaran tenaga elektrik dibeli setahun dari utiliti (kWh)			
*Tarif belian (sen/kWh)			
*Anggaran kehendak maksimum keseluruhan (kW)			
*Kadar kehendak maksimum pengguna/penyewa (kW)			
*Tarif jualan yang dicadangkan (sen/kWh)			
*Kos penyelenggaraan setahun (RM)			
Caj sambungan dan caj lain (bagi yang berkenaan sahaja)			

< Sebelumnya
Seterusnya >

Rajah 11

Lampiran 6 - Maklumat Pemasangan Bagi Aktiviti Penghantaran

The screenshot shows a web interface for entering transmission activity installation details. At the top, there are navigation tabs for 'Lampiran 1', 'Lampiran 4', 'Lampiran 5', and 'Lampiran 6', with 'Lampiran 6' being the active tab. The main heading is 'Maklumat Pemasangan Bagi Aktiviti Penghantaran'. Below this, the section '1. Sistem Penghantaran' contains several form fields:

- *Jumlah keupayaan sistem penghantaran : [input field] KVA
- *Kehendak Maksimum : [input field] KW
- *Punca Bekalan :
 - Penjana sendiri
 - SESB
 - TNB
 - Lain-lain (Nyatakan [input field])
- *Bilangan Litar dan Voltan : [input field] Litar
- [input field] KV
- *Jarak : [input field] km
- Dari : [input field]
- Ke : [input field]
- *Kaedah penghantaran :
 - tallan atas
 - kabel bawah tanah
 - dasar laut
 - Lain-lain (Nyatakan [input field])
- *Bilangan pencawang : [input field]
- *Kehilangan sistem (System losses) : [input field] %

At the bottom of the form, there are two navigation buttons: '<< Sebelumnya' on the left and 'Seterusnya >>' on the right.

Rajah 12

Bahagian C

Bahagian A Bahagian B Bahagian C Bahagian D Bahagian E Bahagian F						
Bahagian C : SENARAI SEMAK DOKUMEN & LUKISAN YANG DIPERLUKAN						
Dokumen, lukisan dan Lulusan-lulusan yang diperlukan					Muat Naik	Hantar Salinan Fotokopi
1.	Salinan Perakuan Pendaftaran Syarikat (ROC)				Muat naik	<input type="checkbox"/>
2.	Salinan borang-borang berikut yang terkini dan disahkan					
	Borang 24 (Return of Allotment of Shares)				Muat naik	<input type="checkbox"/>
	Borang 49 (Return giving Particulars in Register of Directors, Managers and Secretaries and Changes of Particulars)				Muat naik	<input type="checkbox"/>
	Form of Annual Return				Muat naik	<input type="checkbox"/>
3.	Lukisan-lukisan Pemasangan:					
	Pelan lokasi dan pelan tapak dalam ukuran saiz A4 atau A3 termasuk Kawasan Bekalan Wajib bagi sistem pengagihan. (No. Rujukan : _____)				Muat naik	<input type="checkbox"/>
	Lukisan Skematik Utama Voltan Tinggi				Muat naik	<input type="checkbox"/>
4.	Project Financial Run - bagi aktiviti Penjanaaan				Muat naik	<input type="checkbox"/>
5.	Salinan Surat-surat Perjanjian/Sokongan/Kelulusan (yang berkenaan sahaja)					
	Perjanjian Bekalan Bahanapi				Muat naik	<input type="checkbox"/>
	Kelulusan Pihak Berkuasa Tempatan/Kerajaan Negeri				Muat naik	<input type="checkbox"/>
	Jabatan Alam Sekitar < 10 MW				Muat naik	<input type="checkbox"/>
	Perjanjian Jual Tenaga				Muat naik	<input type="checkbox"/>
	Perjanjian Jual-Beli Tenaga dengan Utiliti (REPPA) (bagi projek dibawah Sistem Tarif Galakan Tenaga Boleh Baharu)				Muat naik	<input type="checkbox"/>
	Kelulusan Projek yang masih sah				Muat naik	<input type="checkbox"/>
	Sijil Kelulusan Tarif Galakan				Muat naik	<input type="checkbox"/>
	Kelulusan Pembiayaan Kewangan				Muat naik	<input type="checkbox"/>
	Perjanjian Sewa Bangunan / Tapak (jika bukan milik pemohon) Pemilik				Muat naik	<input type="checkbox"/>
	Kelulusan Pemohonan Bekalan Pukul Daripada Pihak Utiliti				Muat naik	<input type="checkbox"/>
6.	Ringkasan projek yang mengandungi keterangan berikut (jika berkenaan)					
	Cadangan teknikal				Muat naik	<input type="checkbox"/>
	Sebab aktiviti pelesenan awam / persendirian diperlukan				Muat naik	<input type="checkbox"/>
	Kesan ke atas alam sekitar				Muat naik	<input type="checkbox"/>
	Jadual pelaksanaan				Muat naik	<input type="checkbox"/>
	Rancangan pembiayaan projek				Muat naik	<input type="checkbox"/>
	Maklumat mengenai local contents, local and foreign expertise semasa pelaksanaan projek dan selepas beroperasi				Muat naik	<input type="checkbox"/>
	Business operation plan termasuk carta organisasi dan kakitangan kompeten yang diperlukan				Muat naik	<input type="checkbox"/>

« Sebelumnya

Seterusnya »

Rajah 13

1. Pada Bahagian C, sila muat naik dokumen-dokumen yang berkaitan.
2. Sekiranya anda tidak memuat naik dokumen, sila tandakan pada kotak Hantar Salinan Fotokopi. Salinan fotokopi dokumen-dokumen hendaklah dihantar ke Pejabat Suruhanjaya Tenaga .

Bahagian D

ST(JKPE) pindaan 2011

e-Electricity » Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas)

Bahagian A Bahagian B Bahagian C **Bahagian D** Bahagian E Bahagian F

Bahagian D : MAKLUMAT PERMOHONAN

Nama Syarikat : syarikat ujian123 sdn bhd
 No. Pendaftaran Syarikat : 77777b
 Alamat : No 1
 JALAN 9
 BANDAR BARU BANGI
 Poskod : 43650
 Bandar : BDR. BARU BANGI
 Negeri : Selangor
 No. Telefon : 0122222222
 No. Faksimili : 03898998

Buliran Tapak Pemasangan (termasuk keseluruhan kawasan bekatan jika melibatkan aktiviti pengagihan)

No. Lot :
 Mukim :
 Daerah :
 Poskod :
 Negeri :

Bagi Projek di bawah Sistem Tariff Galakan Tenaga Boleh Baharu :

Kategori Penggunaan : Peniagaan
 Pengilangan/Industri
 Pertedangan
 Lain-lain (Nyatakan:)

Bagi lujuan lesen persendirian, sila nyatakan sebab perijanaan sendiri : Tiada bekalan utiliti
 Lebih ekonomi
 Bekalan sementara
 Lain-lain (Nyatakan:)

Status pemasangan :

Tempoh Lesen Diperlukan : Tempoh: Tahun
 Mulai:

Tarikh Pentauliahan Pemasangan :
 Tarikh Mulatugas :

Rajah 14

1. Pada Bahagian D, sila masukkan maklumat-maklumat yang berkaitan.

Bahagian E

The screenshot shows a web application interface for the OAS system. At the top, there is a navigation menu with links: Laman Utama, Dashboard, e-Application, Maklumat Syarikat, Kata Laluan, Bantuan, and Hubung Kami. The page title is "e-Electricity - Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas)". A sub-header indicates "ST(JKPE) pindaan 2011". Below the header, there is a section titled "Bahagian yang bertanda (*) perlu diisi." and a tabbed interface with tabs for Bahagian A, Bahagian B, Bahagian C, Bahagian D, Bahagian E (selected), and Bahagian F. The content of Bahagian E is titled "Bahagian E : PENGAKUAN PEMOHON" and contains three declaration statements, each with a checkbox:

- Saya **MUHD GHANI B ALI**, No. MyCard 700101115399 mengaku bahawa maklumat-maklumat yang terkandung di dalam permohonan ini adalah benar dan kenyataan-kenyataan adalah betul dan saya sedar adalah menjadi suatu kesalahan di bawah seksyen 8 Akta Bekalan Elektrik 1990 jika maklumat-maklumat yang diberikan itu adalah palsu.
- Saya akan menjawat orang kompeten untuk menjaga, mengendalikan dan menyelia pemasangan menurut Akta Bekalan Elektrik 1990 dan Peraturan-Peraturan yang dibuat dibawahnya dan menaati Suruhanjaya Tenaga berkenaan dengan perantaraan tersebut.
- Saya bersetuju untuk mematuhi terma-terma dan syarat-syarat lesen awam yang diberikan oleh Suruhanjaya Tenaga.

At the bottom of the form, there are two buttons: "SEBELUMNYA" and "SETERUSNYA".

Rajah 15

1. Pada Bahagian E, sila tandakan pada kotak-kotak yang berkenaan.

Bahagian F

ST(JKPPE) pindaan 201

e-Electricity ▶ Borang Permohonan Pelesenan Awam & Persendirian (Bagi Kapasiti Pemasangan 5MW Ke Atas)

Bahagian A Bahagian B Bahagian C Bahagian D Bahagian E Bahagian F

1 Bahagian E : PENGESAHAN JURUTERA PROFESSIONAL

Saya mengesahkan bahawa (Tandakan aktiviti yang berkenaan) :

Pemasangan baru ini telah direkabentuk dan diselia oleh saya mengikut kehendak perundangan yang berkaitan serta mengikut amalan kejuruteraan yang baik (*good engineering practice*)

Pemasangan sedia ada ini telah direkabentuk dan dipasang mengikut kehendak perundangan yang berkaitan serta mengikut amalan kejuruteraan yang baik (*good engineering practice*)

Nama Jurutera Profesional :

Alamat :

Hantar Simpan Draf

2

<< Sebelumnya

Rajah 16

1. Pada Bahagian F, sila tandakan pada bahagian yang berkenaan.
2. Sila klik bebutang Hantar atau Simpan Draf untuk meneruskan permohonan ini.
3. Simpan Draf digunakan sekiranya pengguna sistem ingin menyimpan maklumat yang telah dimasukkan sebagai draf dan belum mahu menghantar permohonan yang sebenar. Jika permohonan yang berjenis Draf dibuka semula, satu bebutang tambahan, Hapus Draf akan dipapar seperti rajah 17. Butang Hapus Draf ini akan menghapuskan (*delete*) permohonan yang berjenis draf tersebut jika pengguna membatalkan hasrat untuk menghantar permohonan.

Hapus Draf

Rajah 17

4. Butang Hantar - Setelah bebutang Hantar diklik, jika Berjaya, sistem akan menjana dan memaparkan maklumat ringkas berkaitan permohonan seperti No. Rujukan, Tarikh Permohonan, Status Permohonan dan ID Pemohon.

5. Prebiu untuk cetakan borang permohonan akan dipaparkan di bahagian bawah seperti rajah 18.
6. Sila klik pada ikon Pencetak untuk mencetak Borang Permohonan.
7. Seterusnya, sila tandatangan dan cop pada ruangan yang disediakan di dalam borang yang dicetak tersebut. Borang tersebut perlu dihantar ke Pejabat Suruhanjaya Tenaga bersama-sama dokumen sokongan yang diperlukan (sekiranya tidak dimuat naik) untuk melengkapkan permohonan. Permohonan ini hanya akan diproses setelah pihak Suruhanjaya Tenaga menerima semua dokumen dengan lengkap.

Laman Utama Dashboard Application Maklumat Syarikat Kela Larian Bantuan Hubung Kami

No. Rujukan : OASELC100141/2012 Status Permohonan : Baharu
Tarikh Permohonan : 13/12/2012 ID Pemohon : alaminaya@gmail.com

Maklumat permohonan telah dituntai. Terima kasih.

Sila kemukakan perkara-perkara berikut ke Pejabat Suruhanjaya Tenaga.


1. Sila cetak Borang Permohonan ini, tandatangan dan cop syarikat pada borang tersebut.
2. Seliaan dokumen-dokumen sokongan yang diperlukan (sekiranya anda tidak memuat-naik (upload) secara online di dalam sistem).
3. Gambar-gambar yang diperlukan, jika ada (sekiranya anda tidak memuat-naik (upload) secara online di dalam sistem).


Permohonan ini akan diproses setelah Pejabat Suruhanjaya Tenaga menerima semua borang dengan lengkap.

Sila semak status permohonan anda dari semasa ke semasa ke semasa di menu Dashboard.

Sila hantarkan borang permohonan anda ke:

PENGURUSAN
JABATAN AWAM SELIA PEMBEKULAN & PASARAN ELEKTRIK
TINGKAT 4, NO. 12, JALAN TUN HUSSEIN, PRESEKIT 2
62100 PUTRAJAYA
Telefon: 03-88798579
Faks: 03-8888650

 Cetak 6

 **SURUHANJAYA TENAGA**
No. 12, Jalan Tun Hussein, Precinct 2,
62100, Putrajaya, Wilayah Persekutuan, Malaysia
Tel: 03-8870 6549 Faks: 03-8868 6549

ST (K/PPE) pindaan 2011
No. Rujukan : OASELC100141/2012
Tarikh Permohonan : 13/12/2012
ID Pemohon : alaminaya@gmail.com

BORANG PERMOHONAN PELESENAN AWAM & PERSENDIRIAN

Rajah 18

4. Dashboard

Senarai Permohonan

Carian

No. Rujukan: Kategori:

Tarikh Permohonan: hingga Status:

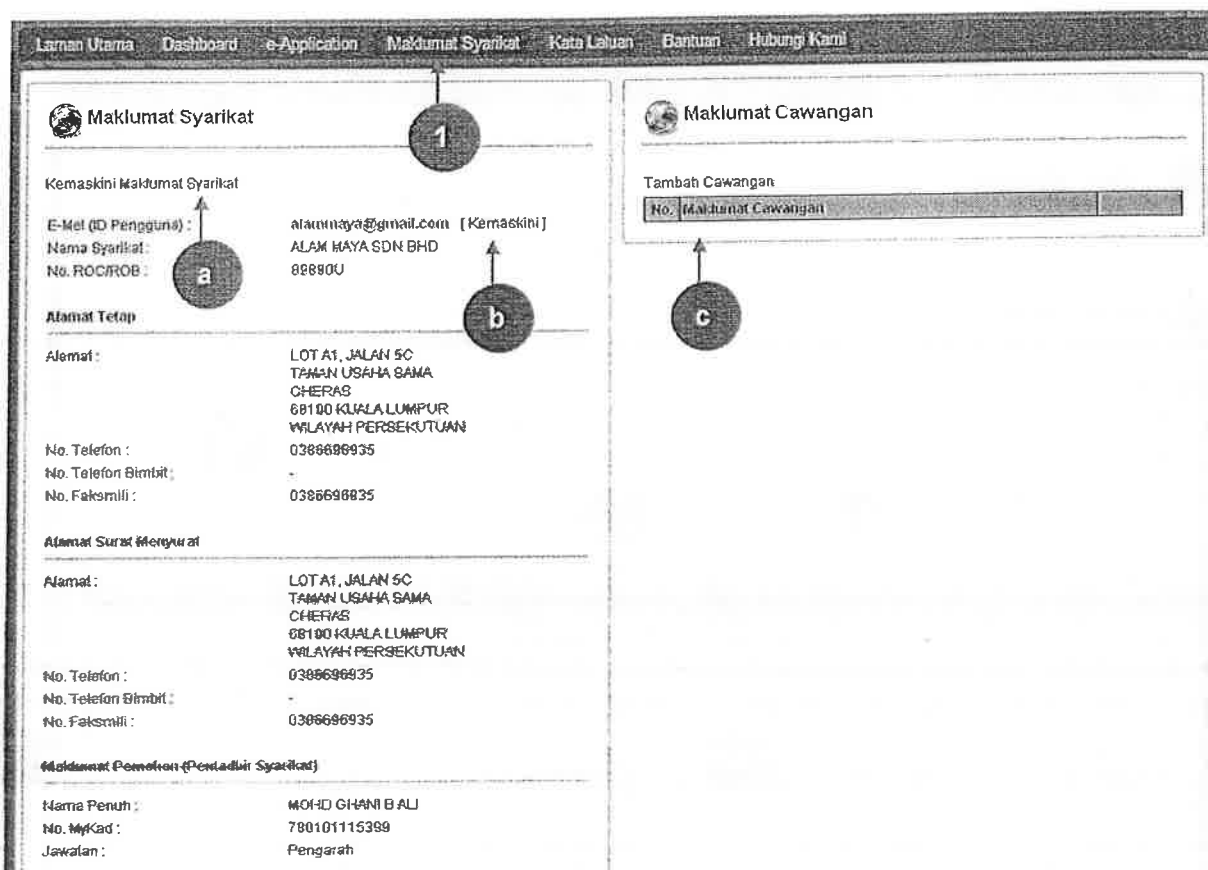
Jumlah rekod : 46 Hafaman :

No.	Kategori	Tarikh Permohonan	Nombor Rujukan	Kod Borang	Nama Pemohon	Status Permohonan	Status Pembayaran
1	E-Electricity	14/12/2012	OAS/ELC100151/2012	ELC1	ALAM MAYA SDN BHD	Baharu	-
2	E-Electricity	14/12/2012	OAS/ELC200041/2012	ELC2	ALAM MAYA SDN BHD	Baharu	-
3	E-Electricity	13/12/2012	OAS/ELC100141/2012	ELC1	ALAM MAYA SDN BHD	Baharu	-
4	E-Electricity	10/12/2012	OAS/ELC100121/2012	ELC1	ALAM MAYA SDN BHD	Baharu	-
5	E-Electricity	10/12/2012	Kemaskini Draf	ELC1	ALAM MAYA SDN BHD	Draf	-
6	E-Electricity	06/12/2012	OAS/ELC100120/2012	ELC1	ALAM MAYA SDN BHD	Lulus	-
7	E-Electricity	29/11/2012	OAS/ELC200011/2012	ELC1	ALAM MAYA SDN BHD	Baharu	-
8	E-Electricity	20/11/2012	OAS/ELC100083/2012	ELC1	ALAM MAYA SDN BHD	Baharu	-
9	E-Electricity	06/11/2012	OAS/ELC100073/2012	ELC1	ALAM MAYA SDN BHD	Lulus	-
10	E-Electricity	05/11/2012	OAS/ELC100072/2012	ELC1	ALAM MAYA SDN BHD	Lulus	Sudah Bayar
11	E-Electricity	06/11/2012	OAS/ELC100071/2012	ELC1	ALAM MAYA SDN BHD	Lulus	-
12	E-Electricity	05/11/2012	OAS/ELC100061/2012	ELC1	ALAM MAYA SDN BHD	Baharu	-
13	E-Electricity	03/11/2012	Kemaskini Draf	ELC1	ALAM MAYA SDN BHD	Draf	-

Rajah 19

1. Dashboard seperti di rajah 19 adalah tempat dimana semua senarai permohonan yang telah dibuat oleh pengguna, disusun mengikut tarikh permohonan. Pengguna boleh menggunakan dashboard untuk mengetahui status permohonan secara atas talian dengan merujuk lajur status permohonan.
2. Ia terdiri daripada lajur kategori, tarikh permohonan, nombor rujukan, kod borang, nama pemohon, status pemohon dan status pembayaran.
3. Pengguna boleh menggunakan aplikasi carian utk mencapai permohonan tertentu yang dikehendaki. Pengguna perlu memasukkan no rujukan dan/atau memilih kategori dan/atau memilih status dan/atau tarikh permohonan.
4. Klik butang Cari.
5. Klik pautan di lajur nombor rujukan untuk memaparkan permohonan.

5. Kemaskini Maklumat Syarikat



Rajah 20

1. Klik pautan maklumat syarikat yang terdapat menu utama
2. Pautan akan memaparkan laman seperti di rajah 20
3. Terdapat 3 pautan di dalam laman maklumat syarikat
 - a. Kemaskini Maklumat Syarikat
 - b. Kemaskini
 - c. Tambah Cawangan
4. Klik pautan Kemaskini Maklumat Syarikat akan memaparkan seperti di rajah 21
 - a. Sila kemaskini maklumat syarikat
 - b. Klik hantar
5. Klik pautan Kemaskini akan memaparkan seperti di rajah 22
 - a. Sila kemaskini emel dan kata laluan
 - b. Klik kemaskini maklumat
6. Klik pautan Tambah Cawangan akan memaparkan seperti di rajah 23
 - a. Sila isi tambah atau kemaskini maklumat atau cawangan
 - b. Klik hantar untuk menyimpan maklumat baru
 - c. Klik batal untuk pembatalan maklumat yang sedang atau telah diisi

 **Kemaskini Maklumat Syarikat**

Rueng yang berlande () perlu diisi.*

1. Maklumat Pengguna

No. ROC/ROB :	898900J
E-mel (ID Pengguna) :	afanurmya@gnitab.com
*Nama Syarikat :	ALAM MAYA SDN BHD

Maklumat Pemohon (Pentadbir Syarikat)

*Nama Penuh :	MOHD GHANI BALI
*No. MyKad :	780101115389
*Jawatan :	PENGARAH

2. Maklumat Alamat

Alamat Tetap

*Alamat :	LOT A1, JALAN 5C TAMAN USAHA SAMA CHERAS
*Poskod :	68100
*Negara :	MALAYSIA
*Negeri :	WILAYAH PERSEKUTUAN
*Bandar :	KUALA LUMPUR
*No. Telefon :	0386698935
No. Telefon Bimbit :	
No. Faksimili :	0386698935

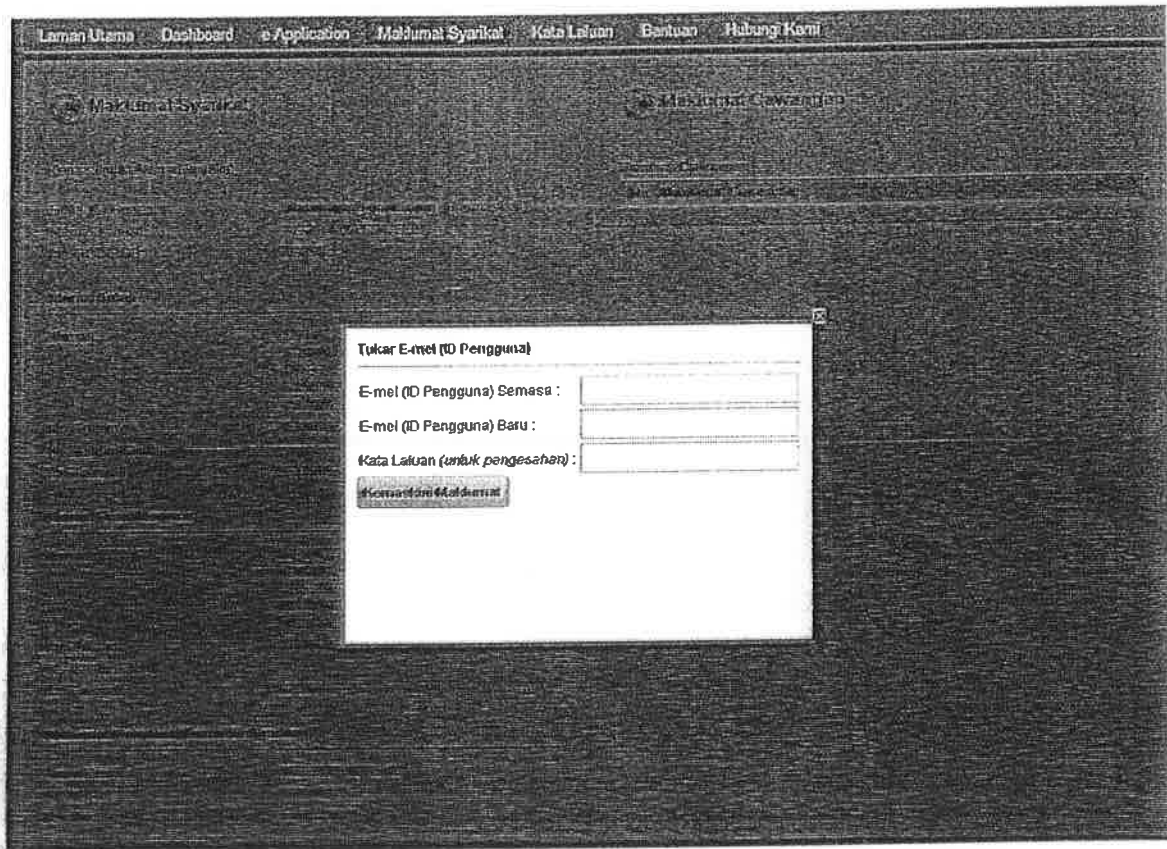
Alamat Surat Mergurat

Sama seperti di atas

*Alamat :	LOT A1, JALAN 5C TAMAN USAHA SAMA CHERAS
*Poskod :	68100
*Negara :	MALAYSIA
*Negeri :	WILAYAH PERSEKUTUAN
*Bandar :	KUALA LUMPUR
*No. Telefon :	0386698935
No. Telefon Bimbit :	
No. Faksimili :	0386698935



Rajah 21



Rajah 22

The screenshot displays a web application interface with a dark background. At the top, there is a navigation menu with the following items: "Laman Utama", "Dashboard", "e-Application", "Maklumat Syarikat", "Kata Laluan", "Bantuan", and "Hubungi Kami". Below the navigation menu, there are two tabs: "Maklumat Syarikat" and "Maklumat Cawangan". The "Maklumat Cawangan" tab is active, and a modal window is open with the title "Tambah / Kemaskini Maklumat Cawangan".

Inside the modal window, there is a heading "Tambah / Kemaskini Maklumat Cawangan" and a note: "Ruangan yang berenda (*) perlu diisi." Below this, there are several input fields:

- *Alamat : Three stacked text input fields.
- *Poskod : A single text input field.
- *Negara : A dropdown menu with the text "Sila pilih" and a small arrow icon on the right.
- *No. Telefon : A single text input field.
- No. Telefon Bimbit : A single text input field.
- No. Faksimili : A single text input field.

At the bottom of the modal window, there are two buttons: "Hantar" and "Batal".

Rajah 23

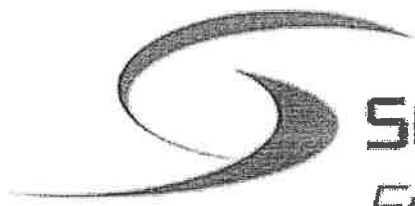
APPENDIX 4

USER GUIDELINE FOR ECOS ON-LINE

01 Permohonan Pendaftaran Pelesenan

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Suruhanjaya Tenaga
Energy Commission

MANUAL PENGGUNA

**PERMOHONAN PENDAFTARAN
PELESENAN BARU**

(PEMOHON AWAM)

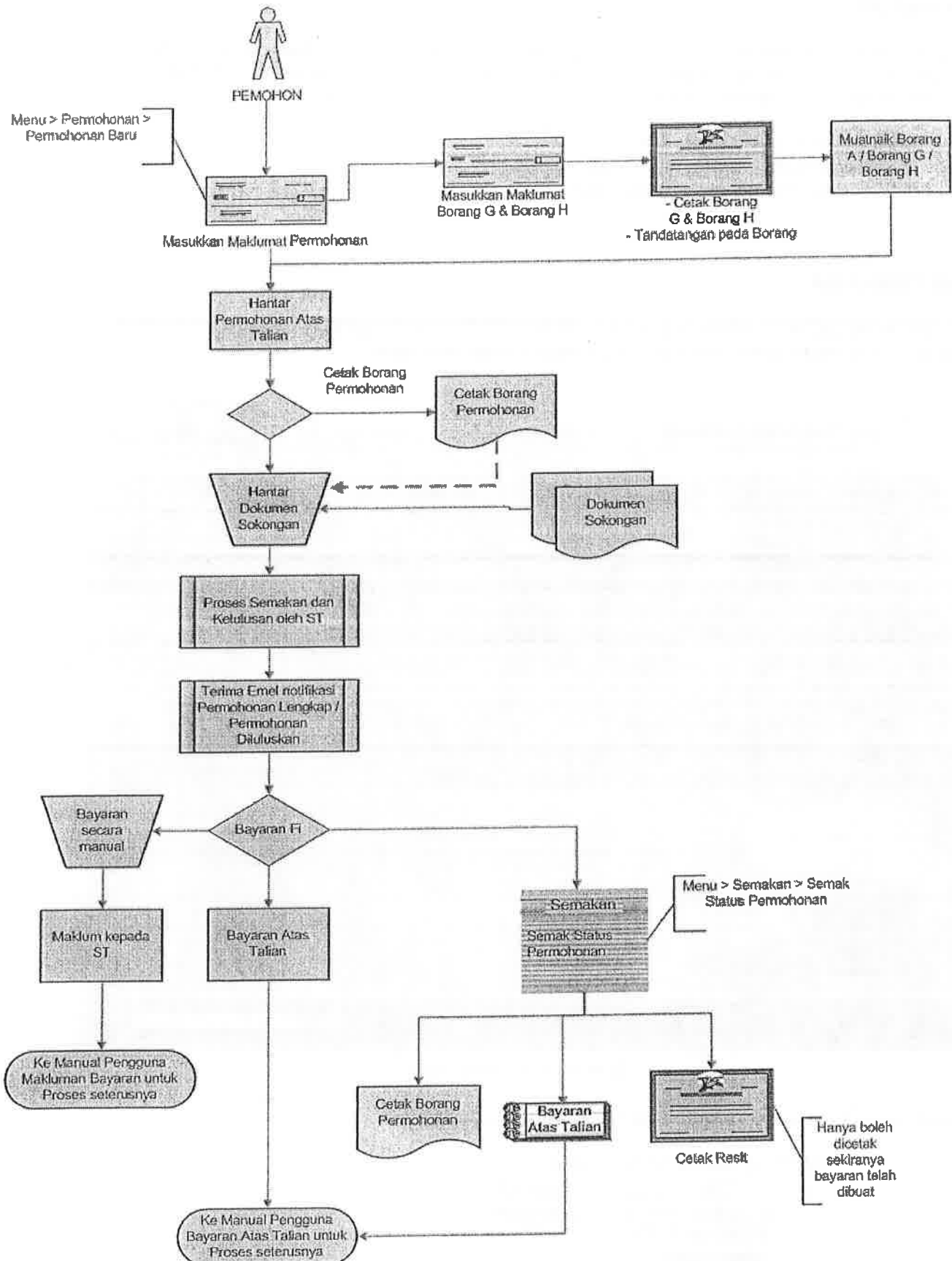
Created with the Personal Edition of HelpNDoc: Full-featured Help generator

Isi Kandungan

- 1.0 Login Pengguna
- 2.0 Permohonan Pendaftaran Pelesenan Baru
 - 2.1 Tab Panduan
 - 2.2 Tab Pemunya
 - 2.3 Tab Penjanaan
 - 2.4 Tab Pelan Lukisan
 - 2.5 Tab Jurutera Perunding
 - 2.6 Tab Kontraktor
 - 2.7 Tab Semakan
 - 2.8 Tab Pengakuan
 - 2.9 Borang G
 - 2.10 Borang H
- 3.0 Semak Permohonan Pendaftaran Pelesenan

Created with the Personal Edition of HelpNDoc: Easy CHM and documentation editor

Aliran Kerja



1.0 Login Pengguna

PENGENALAN

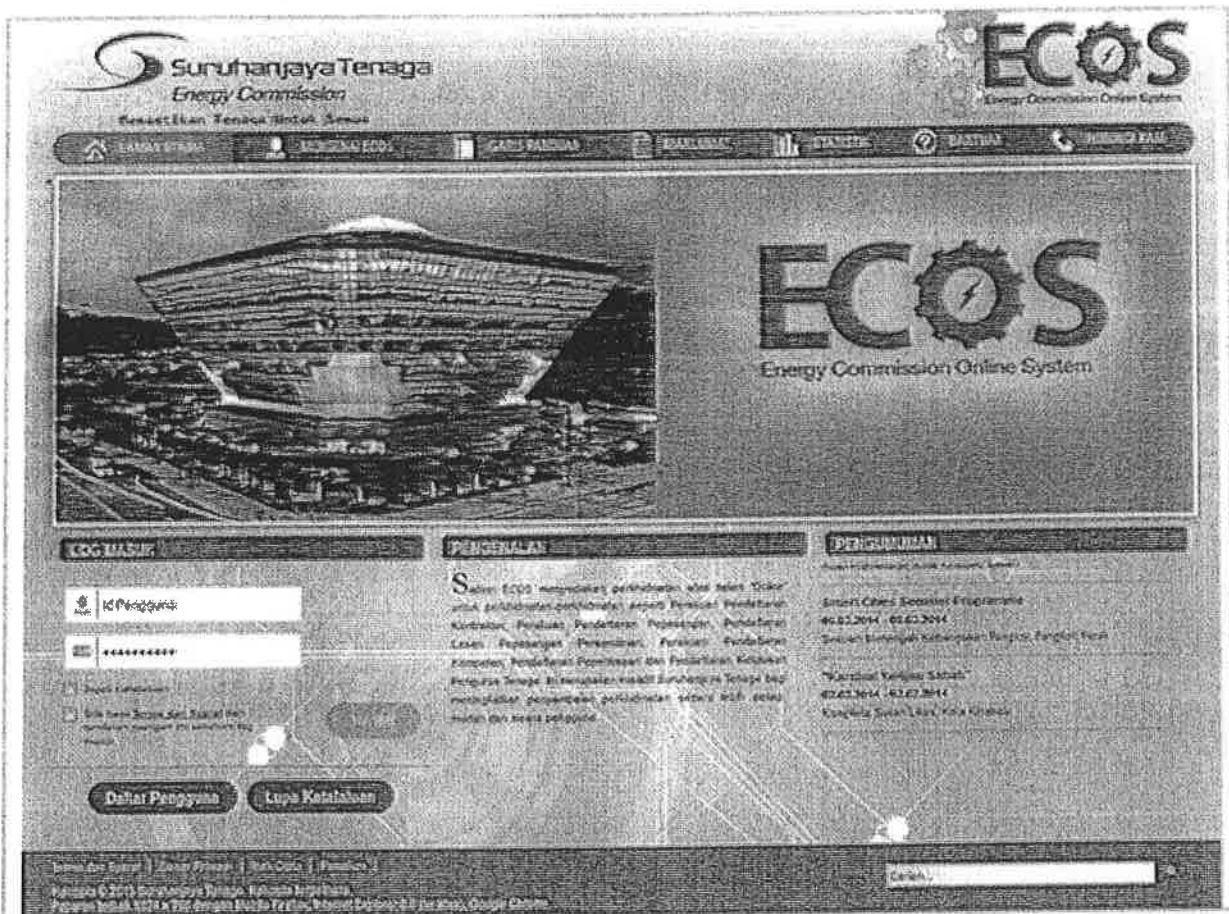
Pengguna perlu mendaftar sebagai pengguna Sistem ECOS terlebih dahulu. Jika telah mendaftar, sila ke laman sesawang (<http://ecos.st.gov.my>) untuk akses ke Sistem ECOS. Pengguna boleh akses ke Sistem ECOS ini menggunakan antaramuka Mozilla Firefox, Google Chrome, Internet Explorer 8.0 (ke atas).

Manual ini adalah bagi permohonan dan proses berikut:

- o Permohonan Pendaftaran Pelesenan Baru
- o Semakan Permohonan Pendaftaran Pelesenan Baru

LOGIN PENGGUNA

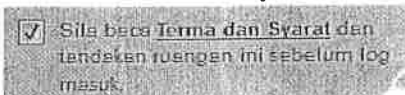
1. Masukkan alamat laman sesawang untuk ke Sistem ECOS (<http://ecos.st.gov.my>) pada tettingkap pengguna. Antaramuka untuk daftar masuk pengguna akan dipaparkan.



Skrin 1: Antaramuka Login

2. Masukkan ID pengguna (*username*) dan kata laluan pengguna.

- Klik checkbox untuk Terma dan Syarat




- Klik butang



3. Sekiranya kata laluan atau ID pengguna salah, antaramuka berikut akan dipaparkan:



Skrin 2: Antaramuka Salah Katalaluan

4. Masukkan kata laluan yang betul. Klik butang "  ", antaramuka laman utama akan dipaparkan.

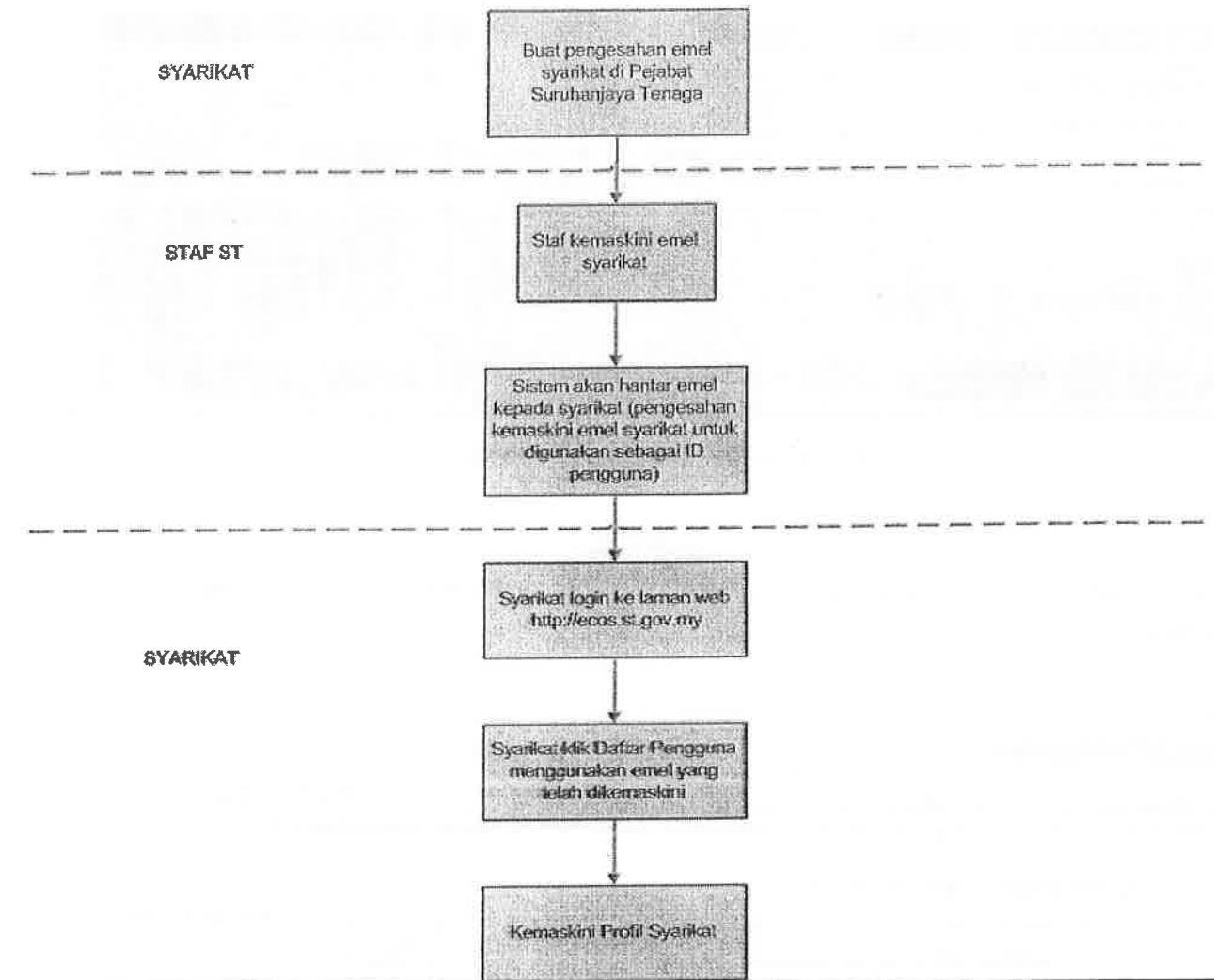
SYARAT-SYARAT LAIN

1. Bagi **Syarikat** yang sedia ada rekod pendaftaran dengan Suruhanjaya Tenaga (ST), samada rekod pendaftaran Kontraktor / Pemasangan atau Pelesenan, perlu semak syarat tambahan ini:

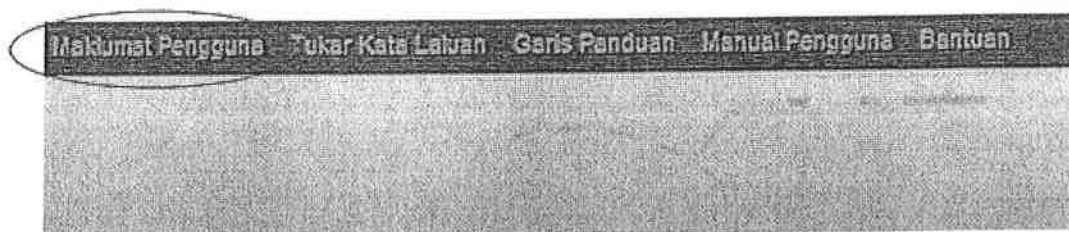
- **KEMASKINI EMEL TERKINI**
 - Maklum kepada Pejabat Kawasan Suruhanjaya Tenaga (ST) untuk **KEMASKINI EMEL** yang terkini **SEBELUM** membuat pendaftaran pengguna
 - Hanya staf ST sahaja yang boleh mengemaskini emel syarikat.
 - Syarikat akan terima emel memaklumkan kemaskini tersebut.
 - Syarikat boleh membuat pendaftaran pengguna untuk akses ke dalam Sistem ECOS **SELEPAS MENERIMA** makluman kemaskini emel tersebut

Sila rujuk aliran kerja berikut:

CARTA ALIR KEMASKINI EMEL SYARIKAT SEBELUM DAFTAR PENGGUNA ECOS ONLINE



2. Bagi pengguna yang log masuk kali pertama, diwajibkan mengemaskini Maklumat Pengguna terlebih dahulu sebelum membuat apa-apa permohonan. Klik pada hiperpautan menu Maklumat Pengguna di atas, bahagian kanan



Skrin 3: Menu Maklumat Pengguna

2.0 Permohonan Pendaftaran Pelesenan Baru

Sila buat pilihan menu berikut:

**Permohonan >> Permohonan Pendaftaran Pelesenan Persendirian 5mw Dan Ke Bawah >>
Permohonan Pelesenan Baru Pemasangan Persendirian**

SENARAI PERMOHONAN

- PERMOHONAN PEPERIKSAAN KEKOMPETENAN ELEKTRIK
- PERMOHONAN PENDAFTARAN KONTRAKTOR ELEKTRIK / KONTRAKTOR PERKHIDMATAN ELEKTRIK / PENGLANG PAPAN SUIS / KONTRAKTOR PAPAN TANDA ELEKTRIK / UNIT PENDAWAIAN PERSENDIRIAN / KONTRAKTOR PEMBAIKAN ELEKTRIK
- PERMOHONAN PELESENAN PERSENDIRIAN 5MW DAN KE BAWAH
 - Permohonan Pelesenan Baru Pemasangan Persendirian
 - Permohonan Pelesenan Semula Pemasangan Persendirian
 - Permohonan Perubahan Maklumat
 - Pindaan Kapasiti
 - Statistik Penjanaan
 - Permohonan Pembatalan Perakuan Pelesenan
- PERMOHONAN PENDAFTARAN PEPASANGAN ELEKTRIK
- PERMOHONAN PENDAFTARAN PENGURUS TENAGA ELEKTRIK
- PERMOHONAN PENDAFTARAN ORANG KOMPETEN ELEKTRIK

Skrin 4: Antaramuka Menu Permohonan

Secara default sistem akan paparkan Tab Panduan

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2.1 Tab Panduan

TAB PANDUAN

PERMOHONAN PELESENAN BARU

PERMOHONAN UNTUK PELESENAN PERSENDIRIAN
(Permohonan 5MW ke bawah)

PANDUAN | PEMILYNYA | PENJANAAN | PELAN LUGSAN | JURUTERA PERUJING | KONTRAKTOR | SEMAKAN | PENGAKUAN

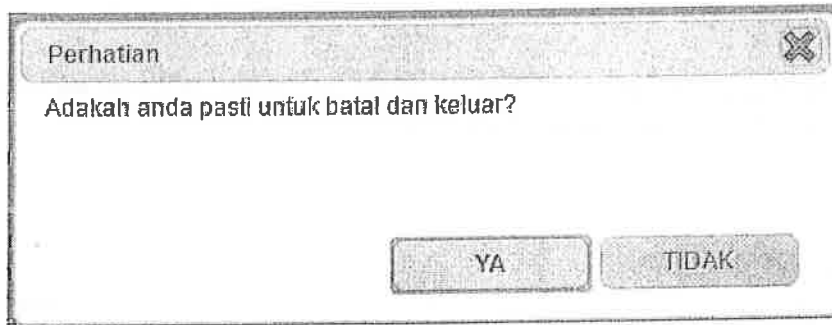
SENARAI PANDUAN
ARAHAN KEPADA PEMOHON:

No	Panduan
1	Borang Permohonan Pelesenan hendaklah diisi secara atas talian.
2	Permohonan perlu disertakan salinan Borang 49 Suruhanjaya Syarikat Malaysia. Permohonan ini hendaklah dilandatangani dan diperakui oleh pemohon sendiri atau pihak pengurusan syarikat.
3	Semua tugasan-tugasan yang dikehendaki di Bahagian C hendaklah diperakui dan dilandatangani seperti pada Jadual Kedua Peraturan-Peraturan Elektrik 1994, Bahagian VI atau Jurutera Elektrik Profesional yang berdaftar dengan Lembaga Jurutera Malaysia.
4	Pemohon bagi permohonan Pindaan Kapasiti perlu menghantar semua dokumen sokongan seperti di Senarai Semakan kecuali Salinan Borang 49.
5	Pemohon bagi permohonan Pelesenan Semula hanya perlu menghantar Letter Of Inten dan bayaran.
6	Pemohon bagi permohonan Perubahan Maklumat hanya perlu menghantar Salinan Borang 49 sahaja.
7	Sila hantar Akitan Permohonan yang telah dicetak dalam tempoh 3 hari selepas permohonan dihantar secara atas talian.

SEMAKAN | PANDUAN

Skrin 5: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab PANDUAN

1. Klik butang " **Batal dan Keluar** " untuk batal dan keluar daripada permohonan pendaftaran pelesenan. Mesej berikut akan dipaparkan:



- Klik butang " **TIDAK** " untuk batal dan teruskan proses permohonan.
- Klik butang " **YA** " untuk batalkan permohonan. Skrin akan ditutup dan skrin sebelumnya akan dipaparkan.

2. Klik butang " **Seterusnya** " untuk simpan maklumat yang telah dimasukkan dan Tab PEMUNYA akan dipaparkan.

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2.2 Tab Pemunya

TAB PEMUNYA

PERMOHONAN PELESENAN BARU			
PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN (Permohonan 5MW ke bawah)			
FANDUAN PEMUNYA PENJAWAN PELAN LUISAN JURUTERA PERUNDING KONTRAKTOR SEMAKAN PENGAKUAN			
JENIS PERMOHONAN			
Jenis Permohonan	PELESENAN BARU PEPASANGAN PERSENDIRIAN		
Tempoh Lesen	1 TAHUN		
BUTIR-BUTIR PEMUNYA			
Pemunya	: SYARIKAT		
Nama	: LEADSHINE 9DN BHD		
No. MyKad/No. Rdc	: 203535M		
Alamat	: 1-3RD FLOOR, LOT 1, LORONG 5 BUNGA RAJA SHOPPING COMPLEX		
Bandar	: KOTA KINABALU	Poskod	: 88450
No. Telefon	: 088383301	Negeri	: SABAH
Alamat Emel	: leadshine@lestemall.com	No. Faks	: 088383305

BUTIR-BUTIR PEPASANGAN

Name

Alamat

Poskod Bandar

Negeri No. Telefon di Pemasangan

No. Faks

Kategori Penggunaan

Jika Lain-lain

Jenis Pemilikan

Pembekal Tenaga

Jika Lain-lain

Sebab-sebab Penjana Sendiri Diperlukan

JADUAL PERLAKSANAAN

Tarikh Mula Pembinaan Tarikh Stop Pembinaan

Status Pembinaan

Skrin 6: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab PEMUNYA

1. Maklumat berikut akan dipaparkan berdasarkan profil syarikat dan tidak boleh dikemaskini:

- Pemunya
- Nama
- No. MyKad/ROC
- Alamat
- Bandar
- Poskod
- Negeri
- No. Telefon
- No. Faks
- Alamat Emel

2. Masukkan maklumat berikut pada bahagian **BUTIR-BUTIR PEPASANGAN**:

- Nama
- No. MyKad/ROC
- Alamat
- Poskod
- Bandar
- Negeri
- No. Telefon di Pemasangan
- No. Faks
- Kategori Penggunaan
- Jika Lain-lain
- Jenis Pemilikan yang disenaraikan:
 - Kerajaan
 - Badan Berkanun
 - Swasta (Syarikat)
 - Individu
 - Lain-lain

- Pembekal Tenaga yang disenaraikan:
 - SESB
 - TNB
 - Lain-lain
- Jika Lain-lain
- Sebab-sebab Penjanaaan Sendiri Diperlukan yang disenaraikan:
 - Tiada Bekalan Utiliti
 - Utiliti Menolak Permohonan
 - Lebih Ekonomi
 - Bekalan Sementara

3. Masukkan maklumat berikut pada bahagian **JADUAL PERLAKSANAAN**:

- Tarikh Mula Pembinaan
- Tarikh Siap Pembinaan
- Status Pembinaan yang disenaraikan:
 - Dalam Pembinaan
 - Siap Sepenuhnya
 - Terbengkalai

4. Klik butang " " untuk kembali ke Tab PANDUAN.

5. Klik butang " " untuk simpan maklumat yang telah dimasukkan dan Tab PENJANAAN akan dipaparkan.

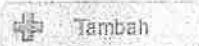
Nota: Label bertanda asterik (*) adalah mandatori.

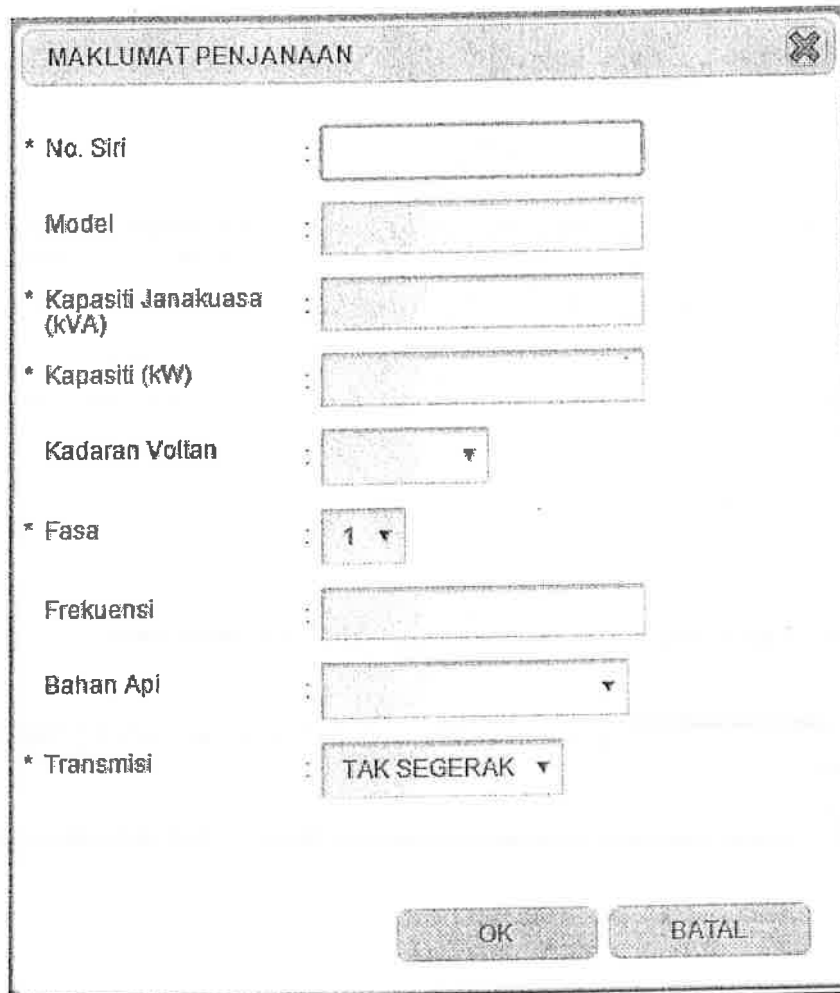
Created with the Personal Edition of HelpNDoc: Full-featured Kindle eBooks generator

2.3 Tab Penjanaaan

TAB PENJANAAN

Skrin 7: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab PENJANAAN

1. Klik pada butang "  " untuk memasukkan maklumat penjanaan. Antaramuka berikut akan dipaparkan:



MAKLUMAT PENJANAAN

* No. Siri :

Model :

* Kapasiti Janakuasa (kVA) :

* Kapasiti (kW) :

Kadaran Voltan :

* Fasa :



Frekuensi :

Bahan Api :

* Transmisi :

OK BATAL

Skrin 8: Antaramuka Tambah Maklumat Penjanaan

- Masukkan maklumat berikut:
 - No Siri
 - Model
 - Pengiraan Janakuasa (kVA)
 - Kapasiti (kW)
 - Kadaran Voltan
 - Fasa
 - Frekuensi
 - Bahan Api
 - Transmisi
- Klik butang  untuk batal kemasukkan data. Skrin akan ditutup dan tiada maklumat disimpan.
- Klik butang  untuk simpan maklumat yang dimasukkan. Skrin popup akan ditutup dan maklumat yang dimasukkan akan dipaparkan pada senarai. Antaramuka akan dipaparkan seperti berikut:

PERMOHONAN PELESENAN BARU

Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan 5MW ke bawah)

PANDUAN PEMBINA PENJANAAN PELAN LUKISAN JURUTERA PERUNDING KONTRAKTOR SEMAKAN PENGALIAN

BUTIR-BUTIR PENJANAAN

*Klik Butang TAMBAH Untuk Masukkan Butiran Janakuasa.

Tambah

Bil	No. Sin	Model	Kapasiti Janakuasa (kVA)	Kapasiti (kW)	Kedaran Voltan	Fasa	Frekuensi	Bahan Api	Transmist
1	D11100987	ELBA	650	552.5	400 V	1	50	DISEL	SEGERAK

Kegunaan Janakuasa

Cogeneration



Jumlah Bekalan Slim


Jumlah Permintaan Slim

Jumlah Bekalan Tenaga Elektrik

Jumlah Permintaan

Skrin 9: Antaramuka Maklumat Penjanaan Yang Telah Dimasukkan

- Klik butang  untuk tambah maklumat penjanaan yang lain dan ulang langkah di atas.
- Klik ikon  untuk kemaskini maklumat penjanaan. Skrin berikut akan dipaparkan:

MAKLUMAT PENJANAAN 

* No. Siri :

Model :

* Kapasiti Janakuasa (kVA) :

* Kapasiti (kW) :

Kadaran Voltan :




* Fasa :


Frekuensi :

Bahan Api :

* Transmisi :


Skrin 10: Antaramuka Kemaskini Maklumat Penjaan


- Klik butang  untuk batal memasukkan data. Skrin akan ditutup dan tiada maklumat disimpan.
 - Klik butang  untuk simpan maklumat yang dikemaskini. Skrin pop up akan ditutup dan maklumat yang dikemaskini akan dipaparkan pada senarai.
- Klik ikon  untuk hapus maklumat penjaan. Mesej pengesahan akan dipaparkan:

HAPUS 

Adakah anda pasti untuk hapus rekod ini?

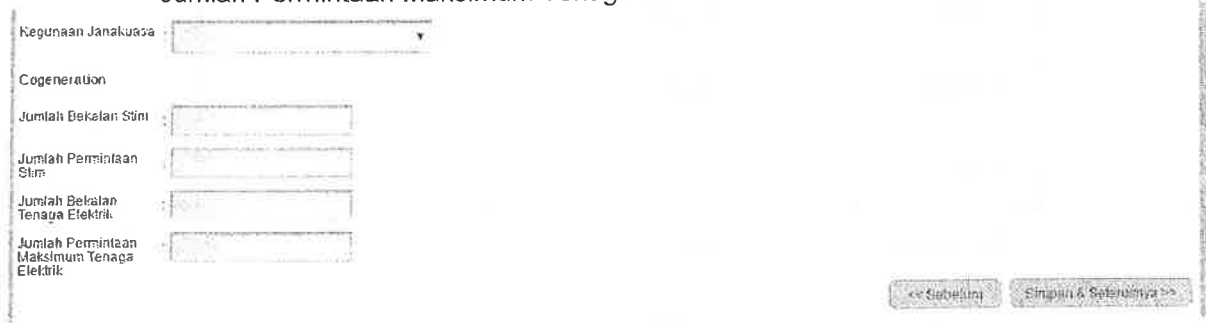
Skrin 11: Antaramuka Hapus Maklumat Penjaan

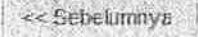
- Klik butang  untuk batal proses hapus. Mesej akan ditutup dan tiada rekod dihapuskan.

- Klik butang  untuk hapus rekod. Mesej akan ditutup.

2. Masukkan maklumat berikut:

- Kegunaan Janakuasa
- Cogeneration
 - Jumlah Bekalan Stim
 - Jumlah Permintaan Stim
 - Jumlah Bekalan Tenaga Elektrik
 - Jumlah Permintaan Maksimum Tenaga Elektrik



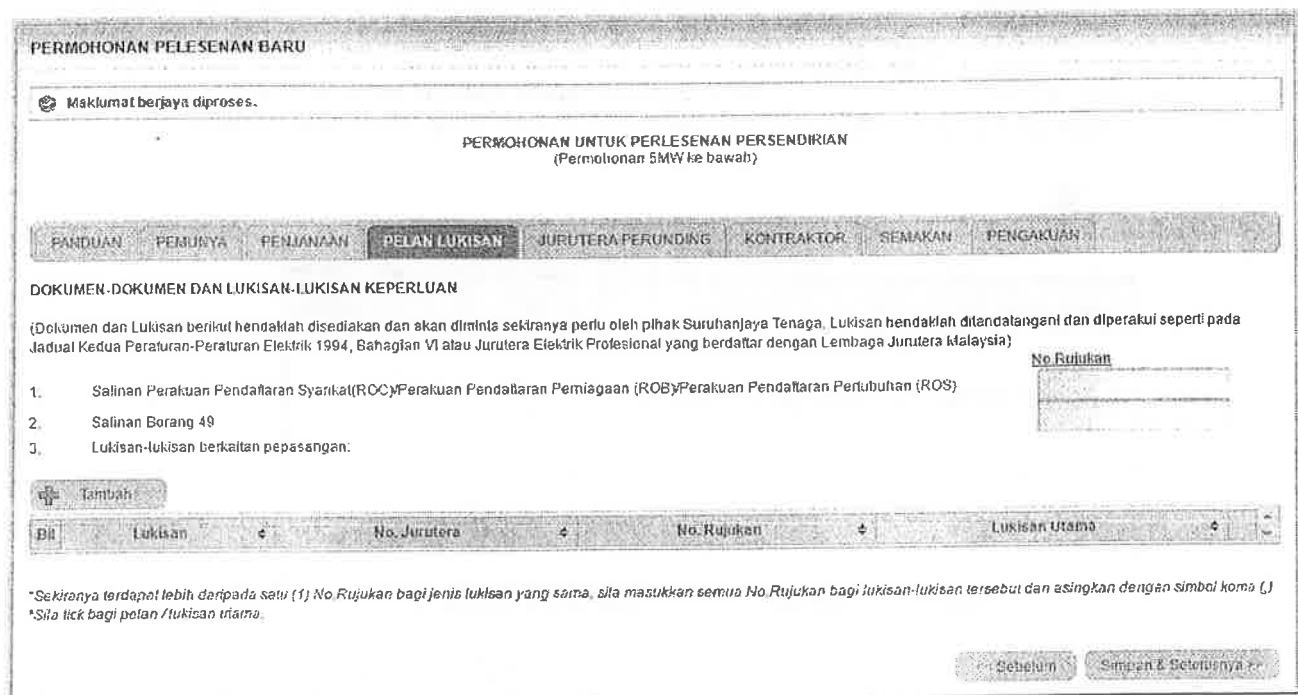
3. Klik butang " " untuk kembali ke Tab PEMUNYA.

4. Klik butang " " untuk simpan maklumat yang telah dimasukkan dan Tab PELAN LUKISAN akan dipaparkan.

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2.4 Tab Pelan Lukisan

TAB PELAN LUKISAN



PERMOHONAN PELESENAN BARU

Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan 5MW ke bawah)

[PANDUAN](#)
[PEMUNYA](#)
[PENJAJAN](#)
[PELAN LUKISAN](#)
[JURUTERA PERUNDING](#)
[KONTRAKTOR](#)
[SEMAKAN](#)
[PENGAKUAN](#)

DOKUMEN-DOKUMEN DAN LUKISAN-LUKISAN KEPERLUAN

(Dokumen dan Lukisan berikut hendaklah disediakan dan akan diminta sekiranya perlu oleh pihak Suruhanjaya Tenaga. Lukisan hendaklah ditandatangani dan diperakui seperti pada Jadual Kedua Peraturan-Peraturan Elektrik 1994, Bahagian VI atau Jurutera Elektrik Profesional yang berdaftar dengan Lembaga Jurutera Malaysia)

1. Salinan Perakuan Pendaftaran Syarikat (ROC) / Perakuan Pendaftaran Pemiagaan (ROB) / Perakuan Pendaftaran Pertubuhan (ROS)

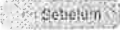

2. Salinan Borang 49

3. Lukisan-lukisan berkaitan pemasangan.


No Rujukan

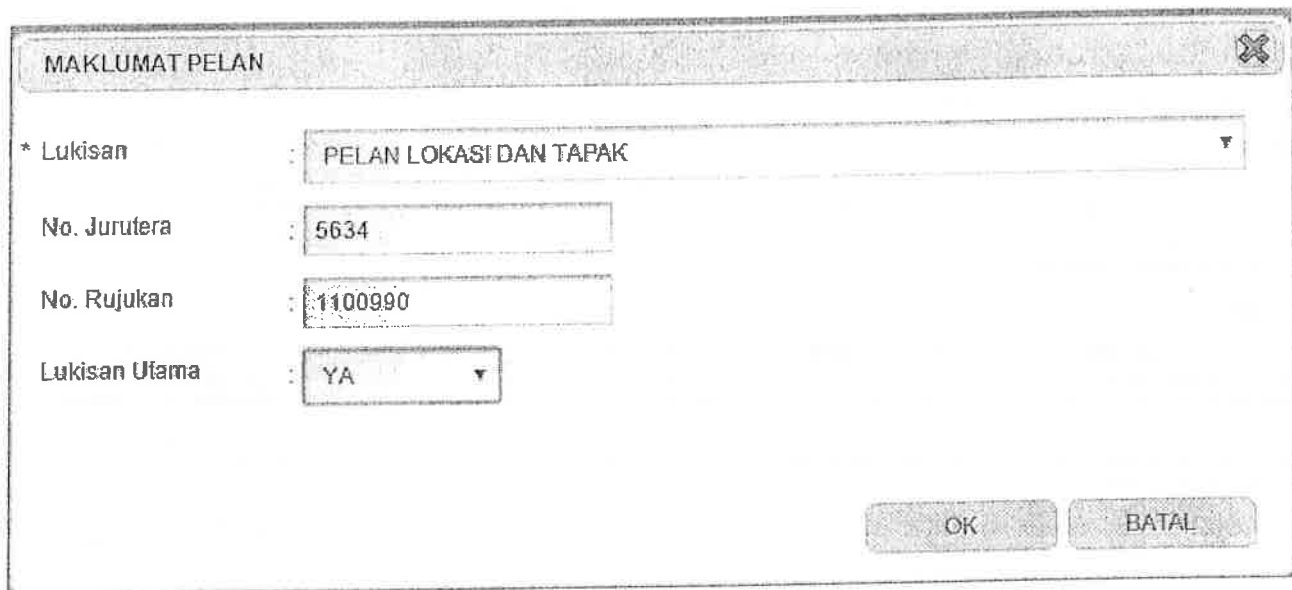
Bil	Lukisan	No. Jurutera	No. Rujukan	Lukisan Utama

*Sekiranya terdapat lebih daripada satu (1) No Rujukan bagi jenis lukisan yang sama, sila masukkan semua No Rujukan bagi lukisan-lukisan tersebut dan asingkan dengan simbol koma (,)
*Sila tick bagi pelan / lukisan utama.

Skrin 12: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab PELAN LUKISAN

1. Klik pada butang "  " untuk memasukkan maklumat pelan. Antaramuka berikut akan dipaparkan:



MAKLUMAT PELAN

* Lukisan : PELAN LOKASI DAN TAPAK


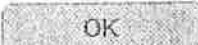
No. Jurutera : 5634

No. Rujukan : 1100990

Lukisan Utama : YA

OK BATAL

Skrin 13: Antaramuka Tambah Maklumat Pelan

- Masukkan maklumat berikut:
 - Lukisan
 - No Jurutera
 - No Rujukan
 - Lukisan Utama
- Klik butang  untuk batal kemasukkan data. Skrin akan ditutup dan tiada maklumat disimpan.
- Klik butang  untuk simpan maklumat yang dimasukkan. Skrin popup akan ditutup dan maklumat yang dimasukkan akan dipaparkan pada senarai. Antaramuka akan dipaparkan seperti berikut:

PERMOHONAN PELESENAN BARU

Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan SMW ke bawah)

PANDUAN PEMUNYA PEMAJAAN **PELAN LUKISAN** JURUTERA PERUBING KONTRAKTOR SEMAKAN PENGAKUAN

DOKUMEN-DOKUMEN DAN LUKISAN-LUKISAN KEPERLUAN

(Dokumen dan Lukisan berikut hendaklah disediakan dan akan diminta sekiranya perlu oleh pihak Suruhanjaya Tenaga. Lukisan hendaklah diandatangani dan diperakui seperti pada Jadual Kedua Fatahuran-Peraturan Elektrik 1994, Bahagian VI atau Jurutera Elektrik Profesional yang berdaftar dengan Lembaga Jurutera Malaysia)

1. Salinan Perakuan Pendaftaran Syarikat(ROC)/Perakuan Pendaftaran Pemajikan (ROB)/Perakuan Pendaftaran Perubuhan (ROS) No Rujukan
Q1112233

2. Salinan Borang 49 C4411223

3. Lukisan-lukisan berkaitan pemasangan:

Bil	Lukisan	No. Jurutera	No. Rujukan	Lukisan Utama
1	PELAN LOKASI DAN TAPAK	5634	1100990	YA

*Sekiranya terdapat lebih daripada satu (1) No.Rujukan bagi jenis lukisan yang sama, sila masukkan semua No Rujukan bagi lukisan-lukisan tersebut danasingkan dengan simbol koma (,)
*Sila tick bagi pelan /lukisan utama.

Skrin 14: Antaramuka Paparan Maklumat Pelan Yang Telah Dimasukkan

- Klik butang untuk tambah maklumat pelan dan ulang langkah di atas.
- Klik ikon untuk kemaskini maklumat pelan. Skrin berikut akan dipaparkan:

MAKLUMAT PELAN

* Lukisan : PELAN LOKASI DAN TAPAK


No. Jurutera : 5634

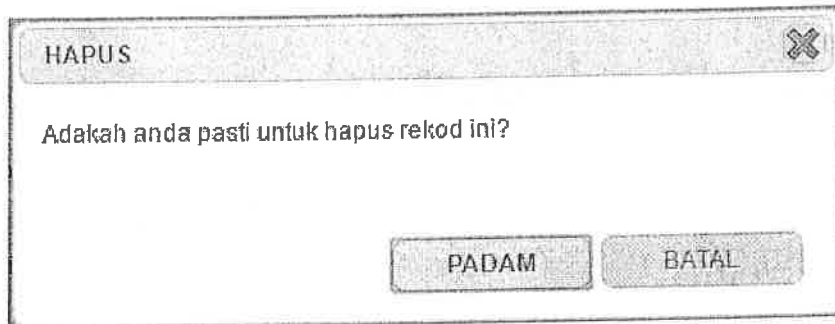
No. Rujukan : 1100990

Lukisan Utama : YA



Skrin 15: Antaramuka Kemaskini Maklumat Pelan

- Klik butang untuk batal memasukkan data. Skrin akan ditutup dan tiada maklumat disimpan.
- Klik butang untuk simpan maklumat yang dikemaskini. Skrin popup akan ditutup dan maklumat yang dikemaskini akan dipaparkan pada senarai.

- Klik ikon  untuk hapus maklumat pelan. Mesej pengesahan akan dipaparkan:




Skrin 16: Antaramuka Hapus Maklumat Pelan

- Klik butang  untuk batal proses hapus. Mesej akan ditutup dan tiada rekod dihapuskan.
- Klik butang  untuk hapus rekod. Mesej akan ditutup.

2. Masukkan maklumat berikut:

- No. Rujukan (Salinan Perakuan Pendaftaran Syarikat(ROC)/Perakuan Pendaftaran Perniagaan (ROB)/Perakuan Pendaftaran Pertubuhan (ROS))
- No. Rujukan (Salinan Borang 49)

3. Klik butang " " untuk kembali ke Tab PENJANAAN.

4. Klik butang " " untuk simpan maklumat yang telah dimasukkan dan Tab JURUTERA PERUNDING akan dipaparkan.

Nota: Label bertanda asterik (*) adalah mandatori.

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2.5 Tab Jurutera Perunding

TAB JURUTERA PERUNDING

PERMOHONAN PELESENAN BARU


Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan 5MW ke bawah)

FANDUAN | PEMUNYA | PENJAWAAN | PELAN LUKISAN | **JURUTERA PERUNDING** | KONTRAKTOR | SEMAKAN | PENGAKUAN

PENGESAHAN JURUTERA PERUNDING

Saya mengesahkan bahawa pemasangan ini adalah direka bentuk oleh saya mengikut kehendak perundangan yang berkaitan serta mengikut amalan kejuruteraan yang baik (*good engineering practice*)

* Nama Syarikat 

Alamat

Poskod Bandar


Negeri

* Nama Jurutera Perunding yang Bertanggungjawab

No. Pendaftaran Lembaga Jurutera Malaysia No. MyKad

Tarikh

Skrin 17: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab JURUTERA PERUNDING

- Maklumat jurutera perunding boleh dimasukkan (*key-in*) atau membuat pilihan jurutera perunding dengan klik pada ikon kanta () untuk membuat carian syarikat. Skrin carian akan dipaparkan:


SENARAI SYARIKAT

Nama Syarikat

Negeri No. Daftar

Dil	Nama Syarikat	Bandar	No. Daftar
1	MAXWELL GLOVE MANUFACTURING BHD	LAHAT	99472X
2	MAXWELL RESOURCES SDN BHD	FULAJ PINANG	457473W
3	UNIMAXWELL SDN BHD	TAPING	75063V
4	MAXWELL M&E ENGINEERING	JOHOR BAHRU	JM0417412P
5	MAXWELL WOOD SDN BHD	KLANG	536543P
6	MAXWELL ASSETS SDN BHD	PETALING JAYA	640650D
7	MAXWELL WOOD SDN BHD	KUALA LUMPUR	536543P
8	MAXWELL ASSETS SDN BHD	PETALING JAYA	640650D
9	MAXWELL ENERGY SDN BHD	SEAH ALAM	776591V
10	MAXWELL GLOVE MANUFACTURING BERHAD	KLANG	98472X

1 / 10 (10)

- Masukkan Nama Syarikat, Negeri atau No. Daftar.
- Klik butang "  " untuk membuat carian
- Senarai carian akan dipaparkan.
- Klik pada hiperpautan Nama Syarikat dan skrin berikut akan dipaparkan:

PERMOHONAN PELESENAN BARU


Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan 5MW ke bawah)

PANDUAN PEMBUNYA PENJANAAN PELAN LUKISAN **JURUTERA PERUNDING** KONTRAKTOR SEMAKAN PENGAKUAN

PENGESAHAN JURUTERA PERUNDING

Saya mengesahkan bahawa pemasangan ini adalah direka bentuk oleh saya mengikut kehendak perundangan yang berkaitan serta mengikut amalan kejuruteraan yang baik (*good engineering practice*)

Nama Syarikat : 

Alamat :

Poskod : Bandar :

Negeri :

Nama Jurutera Perunding yang Bertanggungjawab :

No. Pendaftaran Lembaga Jurutera Malaysia : No. MyKad :

Tarikh :

2. Klik butang "  " untuk kembali ke Tab PELAN LUKISAN.

3. Klik butang "  " untuk simpan maklumat yang telah dimasukkan dan Tab KONTRAKTOR akan dipaparkan.

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2.6 Tab Kontraktor

TAB KONTRAKTOR

PERMOHONAN PELESENAN BARU

Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan SMW ke bawah)

PANDUAN PEMUNYA PENJANAAN PELAN LUKISAN JURUTERA PERUNDING **KONTRAKTOR** SEMAKAN PENBAKUAN

BUTIR-BUTIR KONTRAKTOR ELEKTRIK

Kontraktor Elektrik yang Dilantik : Untuk Pemasangan Elektrik Keseluruhan

Nama Syarikat :

Alamat :

Poskod : Bandar : SILA PILIH NEGERI- ▾

Negeri : -SILA PILIH- ▾

Alamat Emel :

No. Telefon : No. Perakuan :


Tarikh Tamat Perakuan :

SENARAI ORANG KOMPETEN

BR	No. Perakuan	Nama Orang Kompeten	Tempoh Sah
<input type="text"/>			

Sebelum Simpan & Beterusnya

Skrin 18: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab KONTRAKTOR

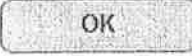
- Klik pada ikon kanta () untuk membuat carian syarikat. Popup mesej akan dipaparkan:

PERINGATAN

Sila pastikan Kontraktor menjawab sekurang-kurangnya seorang Orang Kompeten kategori berikut untuk menjalankan kerja-kerja pemasangan janakuasa:

- PJ-T-4 (A4)
- PJ-T-32 (A4-2)
- PJ-T-3 (A4-1)

OK

- Klik butang "  " dan popup pilihan senarai syarikat akan dipaparkan seperti berikut:

SENARAI SYARIKAT

No. Perakuan : No. Fall :

No. ROC : cth: ROC12343578

BR	Nama Syarikat	Bandar	No. Perakuan	Kategori Kontraktor	No. ROC
<input type="text"/>					

BATAL

- No. ROC wajib dimasukkan pada ruangan No. ROC.

- No. Perakuan atau No. Fail boleh dimasukkan sekiranya mempunyai maklumat berkenaan.
- Klik butang " **Carian** " untuk membuat carian
- Senarai carian akan dipaparkan sekiranya memenuhi syarat-syarat yang dinyatakan pada mesej sebelum carian kontraktor dibuat.
- Klik pada hiperpautan Nama Syarikat dan skrin berikut akan dipaparkan:

PERMOHONAN PELESENAN BARU

Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan 51MW ke bawah)

PANDUAN FEMURYA PENJANAAN PELAN LUKISAN JURUTERA PERUNDING **KONTRAKTOR** SEMAKAN PENGAKUAN

BUTIR-BUTIR KONTRAKTOR ELEKTRIK

Kontraktor Elektrik yang Difantik : Untuk Pepesanan Elektrik Kesekuruhan

Nama Syarikat : LEADSHINE SDN BHD

Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX

Poskod : 88450 Bandar : KOTA KINABALU

Negeri : SABAH

Alamat Emel :

No. Telefon : 086383301 No. Perakuan :

Tarikh Tamat Perakuan : 03/05/2017

SENARAI ORANG KOMPETEN

Bil	No. Perakuan	Nama Orang Kompeten	Tempoh Sah
1	PK-T-3-B-0902-2004	SIUS @ LAWRENCIUS BIN KANTING	04-DEC-14 - 03-DEC-16
2	JK-T-5-B-0009-1996	ABDUL HAMID BIN OSMAN	04-MAY-16 - 03-MAY-17
3	PJ-T-8-H-0045-2001	SIUS @ LAWRENCIUS BIN KANTING	04-DEC-14 - 03-DEC-16
4	PJ-T-2-B-0103-2014	ALBERT PETRUS	04-DEC-14 - 03-DEC-16
5	PW-T-2-B-1399-2013	CHANG TZAW SIONG	04-DEC-14 - 03-DEC-16
6	JP-T-5-B-0035-1996	SUPIAN BIN AJI	04-MAY-16 - 03-MAY-17
7	PW-T-4-B-0437-1996	SIUS @ LAWRENCIUS BIN KANTING	04-DEC-14 - 03-DEC-16
8	PW-T-4-B-0889-2006	MUHAMAD BIN LAUGAN	12-JUL-11 - 11-JUL-16
9	PW-T-4-B-1406-2009	ALBERT PETRUS	04-DEC-14 - 03-DEC-16
10	PJ-T-4-B-0236-2007	AROKIAM A/L ANTHONISAMY	04-MAY-16 - 03-MAY-18

1 / 10 (11) 10

Simpan & Seterusnya >>

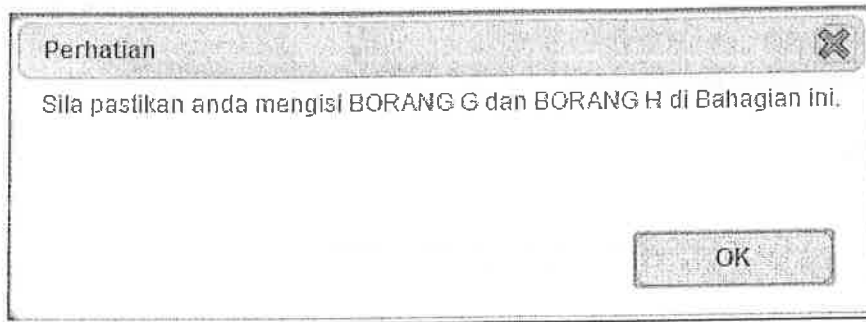
Skrin 19: Antaramuka Maklumat Kontraktor Selepas Ditambah


2. Klik butang " << Sebelumnya " untuk kembali ke Tab JURUTERA PERUNDING.

3. Klik butang " Simpan & Seterusnya >> " untuk simpan maklumat yang telah dimasukkan dan Tab SEMAKAN akan dipaparkan.

2.7 Tab Semakan

TAB SEMAKAN



- Klik butang "  " untuk teruskan proses permohonan.

Skrin 20: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab SEMAKAN

1. Tandakan *checkbox* () berkenaan untuk dokumen sokongan yang akan dihantar oleh pemohon kepada Pejabat Kawasan Suruhanjaya Tenaga untuk proses semakan permohonan. Pemohon bertanggungjawab untuk menghantar dokumen sokongan seperti yang disahkan di dalam rekod ini.
2. Klik pada hiperpautan Borang G --> akan ke skrin Borang G seperti berikut:

BORANG G
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKLIAN PENYELIAAN DAN PENYIAPAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
88450
KOTA KINABALU
SABAH

(Nama dan Alamat Pemunya)

BAHAGIAN 1: PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
Poskod : 88450 Bandar : KOTA KINABALU
Negeri : SABAH


Pemasangan ini ialah suai/pemasangan baru/tambahan/pengubahan kepada pemasangan yang sedia ada*

BAHAGIAN 2: PENYELIAAN DAN PENYIAPAN

Saya, orang kompeten yang bertanggungjawab (sebagaimana yang ditunjukkan oleh landstapan saya di bawah) bagi penyeliaan dan penyediaan kerja elektrik dalam pemasangan diperhalakan dalam Bahagian 1, yang butir-butirnya seperti yang diperhalakan dalam Jadual Lukisan dalam Bahagian 3, MEMPERAKUI bahawa kerja itu yang baginya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percaya mengikut Peraturan-Peraturan Elektrik 1994.

Takal kabit/bili penandatanganan adalah terhad kepada kerja elektrik yang diperhalakan dalam Bahagian 1 Peraturan ini.

Bagi penyediaan dan penyediaan kerja elektrik : LEADSHINE SDN BHD

* No. Perakuan
Kekompetenan : 

* Perakuan
Kekompetenan :

* Nama :

* Bagi Pihak :

* Alamat :

* Poskod : * Bandar : * SILA PILIH NEGERI :

* Negeri :

* Tarikh :

BAHAGIAN 3: JADUAL LUKISAN

Setiap lukisan yang disenaraikan di bawah hendaklah mengandungi ahujanj yang berikut.

Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya selesa dan disiapkan mengikut Peraturan-Peraturan Elektrik 1994

* No. Perakuan
Kekompetenan :

* Perakuan
Kekompetenan :

* Nama :

* Bagi Pihak :

* Alamat :

* Poskod : * Bandar :

* Negeri :

* Tarikh :

PELAN LOKASI DAN TAPAK 1100590


NOTA:

1. Perakuan Penyediaan dan Penyediaan yang dikehendaki oleh peraturan 12 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan penyediaan dan penyediaan kerja elektrik.
2. Perakuan ini akan menunjukkan tanggungjawab bagi penyediaan dan penyediaan kerja elektrik, sama ada yang berhubungan dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
3. Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti perniagaan yang lain individu hendaklah menyatakan orang yang diwakilinya.
4. Perakuan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
5. Tandatangani yang diturunkan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja penyediaan dan penyediaan kerja elektrik.
6. Nombor muka surat bagi setiap halaman hendaklah ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terdapat.
7. Pemunya atau pengurusan pemasangan hendaklah mengemukakan Perakuan Penyediaan dan Penyediaan dan Perakuan Ujian (Borang G dan H dalam Jadual Pertama) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
8. Apabila diterima Perakuan dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah dari tarikh itu seterusnya membekalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.

SIMPAN

KELUAR


Skrin 21: Antaramuka Borang G


- Klik pada ikon kanta () untuk membuat carian orang kompeten. Skrin carian akan dipaparkan:

BORANG G

SEHARAI ORANG KOMPETEN

Bil	Jenis Kejuruteraan	Nama	No Kejuruteraan	No Rec	Syarikat
1	PENDAWAI ELEKTRIK	KALWANT CHE WIL	PW-T-2-B-1105-1997	738296V	SYARIKAT ATC GROUP SDN BHD
2	PENDAWAI ELEKTRIK	SITI SALAWAN BT SAMOHAWI	PW-T-4-B-1059-2000	738296V	SYARIKAT ATC GROUP SDN BHD
3	PENDAWAI ELEKTRIK	MOHD NAZRI BIN AWANG	PW-T-4-B-1464-2001	738296V	SYARIKAT ATC GROUP SDN BHD
4	PENDAWAI ELEKTRIK	MOHD ASRUL SANI BIN MOHD ALI	PW-T-4-B-0216-2007	738296V	SYARIKAT ATC GROUP SDN BHD

- Klik pada ikon "  " untuk membuat pilihan orang kompeten. Maklumat orang kompeten yang dipilih akan dipaparkan pada Bahagian 2 dan Bahagian 3.

- Klik butang  untuk simpan maklumat yang dimasukkan. Skrin popup akan ditutup dan maklumat yang dimasukkan akan disimpan. Antaramuka akan dipaparkan seperti berikut:

BORANG G
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKUAN PENYELIAAN DAN PENYIAPAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
88450
KOTA KINABALU
SABAH

(Nama dan Alamat Pemunya)

BAHAGIAN 1: PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
Poskod : 88450 Bandar : KOTA KINABALU
Negeri : SABAH

Pepasangan ini ialah suatu pemasangan baru/tambahan/pengubahan kepada pemasangan yang sedia ada*

BAHAGIAN 2: PENYELIAAN DAN PENYIAPAN

Saya, orang kompeten yang bertanggungjawab terhadap keselamatan yang ditunjukkan oleh landatangan saya di bawah bagi penyediaan dan penyediaan kerja elektrik dalam pemasangan dipelihara dalam Bahagian 1, yang butiran-butirnya seperti yang diperlihatkan dalam Jadual Lukisan dalam Bahagian 3. MEMPERAKUKAN bahawa kena itu yang baginya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percaya mengikut Peraturan-Peraturan Elektrik 1994.

Takal (liabiliti) penandatanganan adalah terhad kepada kerja elektrik yang yang diperlihatkan dalam Bahagian 1 Perakuan ini.

Bagi penyediaan dan penyediaan kerja elektrik, LEADSHINE SDN BHD

* No. Perakuan Kekompetenan : PW-T-4-B-0216-2007
* Perakuan Kekompetenan : 3 FASA DENGAN ENDORSAN DAN PENGUJIAN
* Nama : MOHD ASRUL SANI BIN MOHD ALI
* Bagi Pihak : SYARIKAT ATC GROUP SDN. BHD.
* Alamat : 18-2-1, BLOCK F, JALAN 4/50
DIAMOND SQUARE
* Poskod : 53000 * Bandar : KUALA LUMPUR
* Negeri : WILAYAH PERSEKUTUAN KUALA LUMPUR
* Tarikh : 03/08/2016

BAHAGIAN 3: JADUAL LUKISAN

Setiap lukisan yang disenaraikan di bawah hendaklah mengandungi akuanji yang berikut

Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya selesa dan disiapkan mengikut Peraturan-Peraturan Elektrik 1994


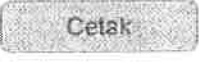

* No. Perakuan Kekompetenan : PW-T-4-B-0216-2007
* Perakuan Kekompetenan : 3 FASA DENGAN ENDORSAN DAN PENGUJIAN
* Nama : MOHD ASRUL SANI BIN MOHD ALI
* Bagi Pihak : SYARIKAT ATC GROUP SDN. BHD.
* Alamat : 18-2-1, BLOCK F, JALAN 4/50
DIAMOND SQUARE
* Poskod : 53000 * Bandar : KUALA LUMPUR
* Negeri : WILAYAH PERSEKUTUAN KUALA LUMPUR
* Tarikh :


PELAN LOKASI DAN TAPAK : 1100990

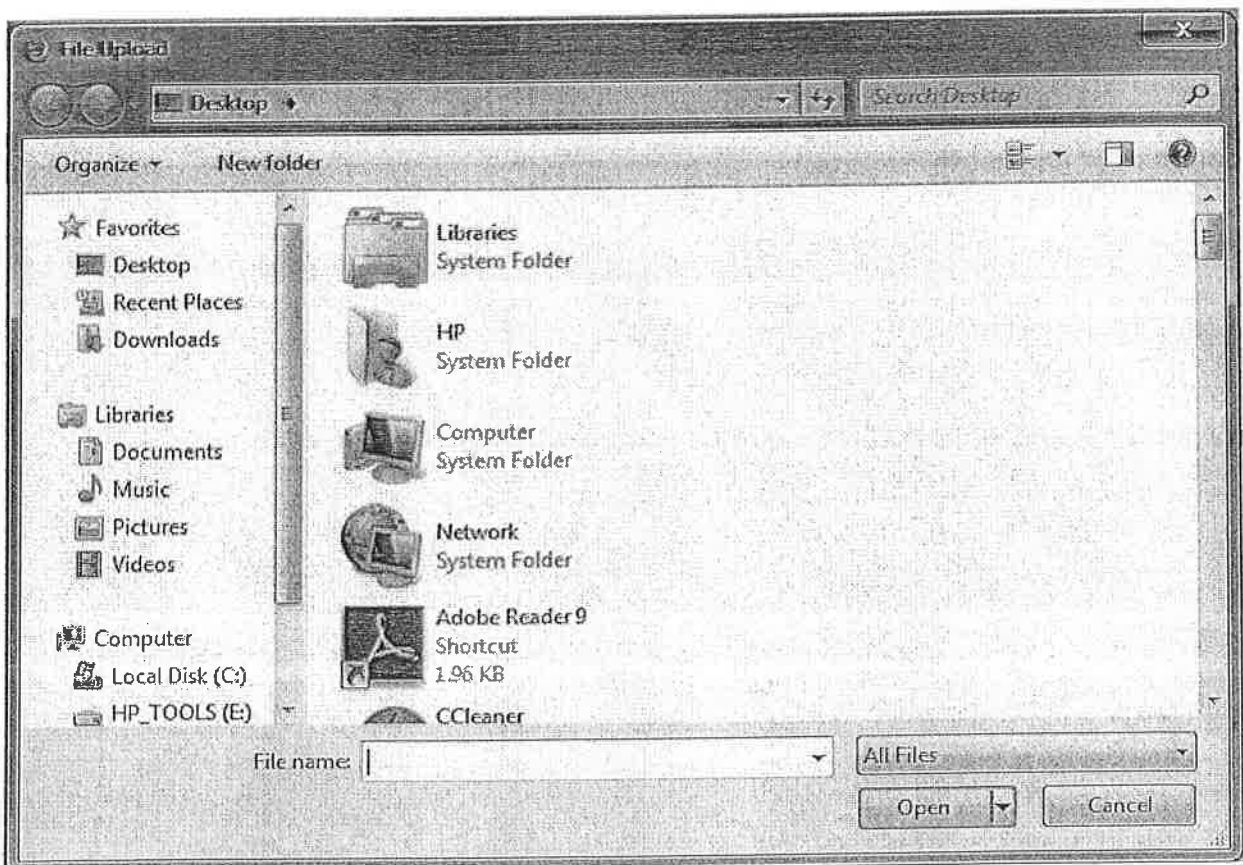
NOTA:

1. Peraturan Penyelenggaraan dan Penyiapan yang dikehendaki oleh peraturan 12 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan penyelenggaraan dan penyiapan kerja elektrik.
2. Peraturan ini akan menunjukkan tanggungjawab bagi penyelenggaraan dan penyiapan kerja elektrik, sama ada yang berhubungan dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
3. Apabila membuat dan menandatangani peraturan bagi pihak syarikat atau entiti perniagaan yang lain individu hendaklah menyatakan orang yang dikawalinya.
4. Peraturan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
5. Tandatangani yang dikurangkan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja penyelenggaraan dan penyiapan kerja elektrik.
6. Nombor muka surat bagi setiap halaman hendaklah ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terlibat.
7. Pemunya atau pengurusan pemasangan hendaklah mengemukakan Peraturan Penyelenggaraan dan Penyiapan dari Peraturan Ujian (Borang G dan H dalam Jadual Perlesen) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menenun elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
8. Apabila diterima Peraturan dalam parenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah dari tarikh itu seterusnya membekalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.



- Klik butang "  " untuk kemaskini maklumat yang telah dimasukkan.
- Klik butang "  " dan skrin maklumat Borang G akan dipaparkan dalam bentuk pdf.
- Klik butang "  " dan tab SEMAKAN akan dipaparkan.

3. Klik butang "  " pada bahagian **Muatnaik Borang G** untuk memuatnaik borang G yang telah di tandatangan oleh orang kompeten dan skrin pilihan fail yang ingin dimuatnaik akan dipaparkan seperti berikut:



Selapa lukisan yang disenaraikan di bawah ini hendaklah mengandungi alatanji yang berikut.

• *Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya uji mengikut Peraturan-Peraturan Elektrik 1994.

* No Perakuan Ketumpuhan

* Perakuan Ketumpuhan

* Nama

* Bagi Pihak

* Alamat

* Poskod

* Bandar

* Negeri

* Tarikh

PELAN LOKASI DAN TAPAK 1100990

BAGIAN 4 : JADUAL KEPUTUSAN UJIAN

(a) Sijil ujian geganti perlindungan bagi pemutus litar yang telah disahkan oleh Jurutera Perkhidmatan Elektrik

(b) Sijil ujian suisbod daripada pengilang papan suis yang bertaraf

(c)


(d)

No Rujukan


NOTA:

- Perakuan Ujian yang dikehendaki oleh peraturan 13 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan ujian pemasangan.
- Perakuan ini akan menunjukkan tanggungjawab bagi menguji pemasangan, sama ada bertubuhan dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
- Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti perniagaan yang lain, individu hendaklah menyatakan orang yang diwakili.
- Perakuan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
- Tandatangan yang diturunkan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja menguji pemasangan.
- Nombor muka surat bagi setiap helakan sepatutnya ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terlibat.
- Pemunya atau pengurusan pemasangan hendaklah mengemukakan Perakuan Penyediaan dan Penyiapan dan Perakuan Ujian (Borang G dan H dalam Jadual Perlembang) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
- Apabila diterima Perakuan yang disebut dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah mulai dari ini membekalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.

Skrin 22: Antaramuka Borang H

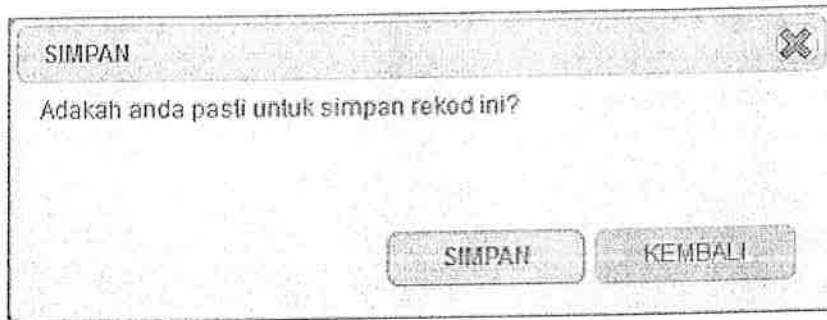
- Klik pada ikon kanta () untuk membuat carian orang kompeten. Skrin carian akan dipaparkan:



Bil	Jenis Ketumpuhan	Nama	No Ketumpuhan	No Hoc	Syarikat
1	PENDAWAI ELEKTRIK	HALIMAH BT. CHE WIL	PW-T-2-B-1105-1997	739296V	SYARIKAT ATC GROUP SDN. BHD.
2	PENDAWAI ELEKTRIK	SITI SALAWANI BT. SAMBOHAW	PW-T-4-B-1559-2000	739296V	SYARIKAT ATC GROUP SDN. BHD.
3	PENDAWAI ELEKTRIK	MOHD NAZRI BIN AWANG	PW-T-4-B-1464-2001	739296V	SYARIKAT ATC GROUP SDN. BHD.
4	PENDAWAI ELEKTRIK	MOHD ASRUL BIN BIN MOHD ALI	PW-T-4-B-0216-2007	739296V	SYARIKAT ATC GROUP SDN. BHD.

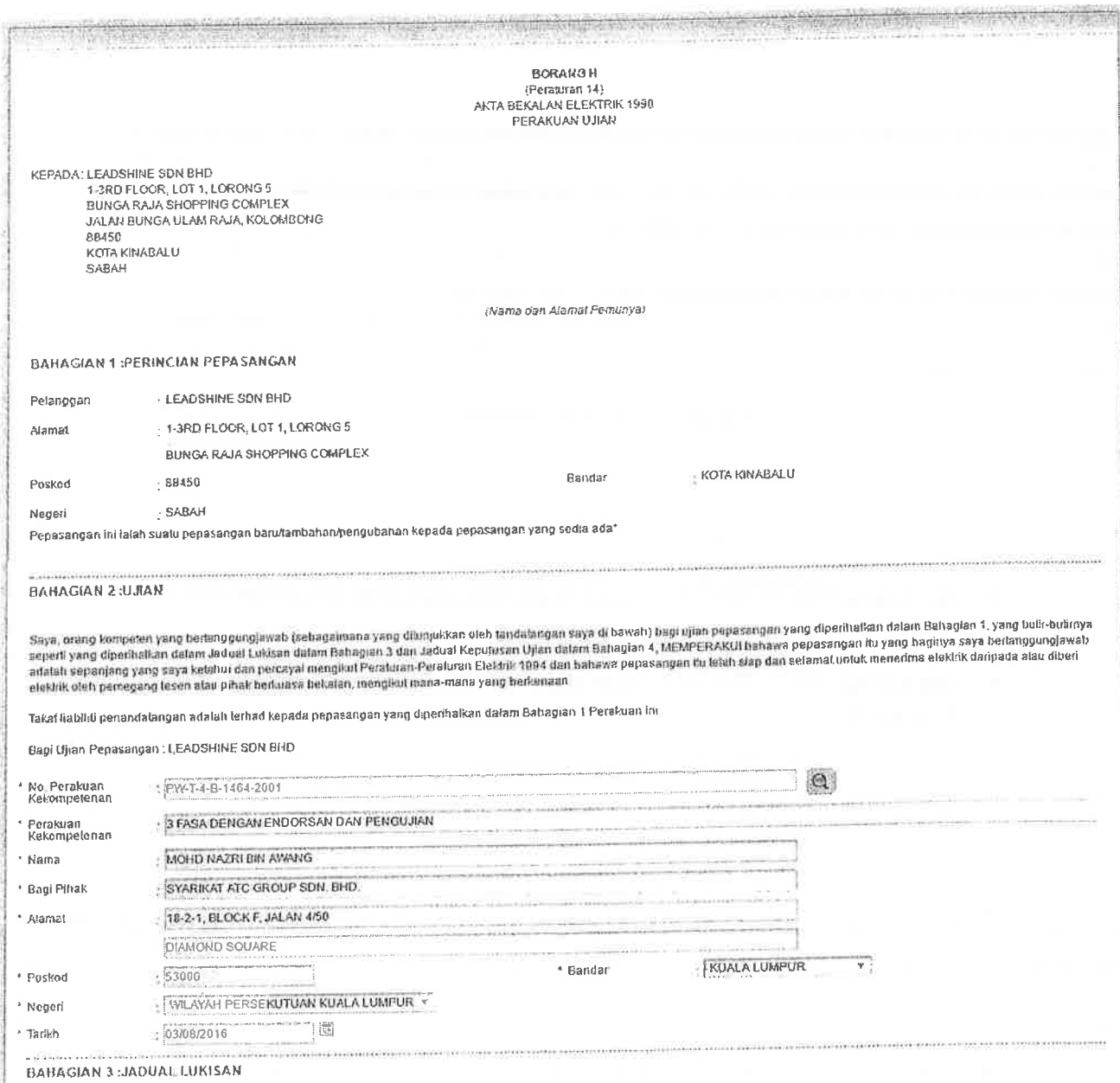
- Klik pada ikon "  " untuk membuat pilihan orang kompeten. Maklumat orang kompeten yang dipilih akan dipaparkan pada Bahagian 2 dan Bahagian 3.

- Klik butang "  " untuk simpan maklumat yang telah dimasukkan. Skrin

popup akan dipaparkan seperti berikut:



- Klik butang  untuk batal memasukkan data. Skrin akan ditutup dan tiada maklumat disimpan.
- Klik butang  untuk simpan maklumat yang dimasukkan. Skrin popup akan ditutup dan maklumat yang dimasukkan akan disimpan. Antaramuka akan dipaparkan seperti berikut:



BORAKOH
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKUAN UJIAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
JALAN BUNGA ULAM RAJA, KOLOMBONG
88450
KOTA KINABALU
SABAH

(Nama dan Alamat Pemunya)

BAHAGIAN 1: PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
Poskod : 88450 Bandar : KOTA KINABALU
Negeri : SABAH
Pemasangan ini ialah suatu pemasangan baru/tambahan/pengubahan kepada pemasangan yang sedia ada*

BAHAGIAN 2: UJIAN

Saya, orang kompeten yang bertanggungjawab (sebagaimana yang ditunjukkan oleh tandatangan saya di bawah) bagi ujian pemasangan yang diperihalkan dalam Bahagian 1, yang buli-bulunya seperti yang diperihalkan dalam Jadual Lukisan dalam Bahagian 3 dan Jadual Keputusan Ujian dalam Bahagian 4, MEMPERAKUI bahawa pemasangan itu yang bagitinya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percaya mengikut Peraturan-Peraturan Elektrik 1994 dan bahawa pemasangan itu telah siap dan selamat untuk menerima elektrik daripada alau diberi elektrik oleh pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan

Takaf liabiliti penandatangan adalah terhad kepada pemasangan yang diperihalkan dalam Bahagian 1 Perakuan ini

Bagi Ujian Pemasangan : LEADSHINE SDN BHD

* No. Perakuan Kompetensi : PW-T-4-B-1464-2001

* Perakuan Kompetensi : 3 FASA DENGAN ENDORSAN DAN PENGUJIAN

* Nama : MOHD NAZRI BIN AWANG

* Bagi Pihak : SYARIKAT ATC GROUP SDN. BHD.

* Alamat : 18-2-1, BLOCK F, JALAN 4/50
DIAMOND SQUARE

* Postkod : 53000 * Bandar : KUALA LUMPUR

* Negeri : WILAYAH PERSEKUTUAN KUALA LUMPUR

* Tarikh : 03/08/2016

BAHAGIAN 3: JADUAL LUKISAN

Setiap lukisan yang disenaraikan di bawah ini hendaklah mengandungi atakjenji yang berikut:

* Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya uji mengikut Peraturan-Peraturan Elektrik 1994.

* No. Perakuan Kecekapan	FW-T-4-B-1464-2001		
* Perakuan Kecekapan	3 FASA DENGAN ENDORSAN DAN PENGUJIAN		
* Nama	MOHD NAZRI BIN AWANG		
* Bagi Pihak	SYARIKAT ATC GROUP SDN. BHD.		
* Alamat	18-2-1, BLOCK F, JALAN 4/50		
	DIAMOND SQUARE		
* Poskod	53000	* Bandar	KUALA LUMPUR
* Negeri	WILAYAH PERSEKUTUAN KUALA LUMPUR		
* Tarikh	03/08/2016		

FELAK LOKASI DAN TAPAK 1100990

BAHAGIAN 4 : JADUAL KEPUTUSAN UJIAN

(a) Sijil ujian geganti perlindungan bagi persuas litar yang telah disatikan oleh Jurutera Perkhidmatan Elektrik

(b) Sijil ujian suisbod daripada pengilang papan suis yang berdaftar

(c)

(d)

No. Rujukan

1111


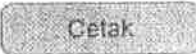

NOTA:


1. Perakuan Ujian yang dikehendaki oleh peraluran 13 Peraturan-Peraturan Elektrik, 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan ujian pemasangan.
2. Perakuan ini akan menunjukkan tanggungjawab bagi menguji pemasangan, sama ada berhubung dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
3. Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti pemisahan yang lain, individu hendaklah menyatakan orang yang diwakili.
4. Perakuan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
5. Tandatangan yang ditunjukkan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja menguji pemasangan.
6. Nombor muka surat bagi setiap helaian sepatutnya ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terlibat.
7. Pemunya atau pengurus pemasangan hendaklah mengemukakan Peraluan Penyelesaian dan Penyediaan dan Perakuan Ujian (Borang G dan H dalam Jadual Pertama) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
8. Apabila diterima Perakuan yang disebut dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah memulai dan ini membekalkan elektrik seperti yang diminta oleh pemunya atau pengurus pemasangan.

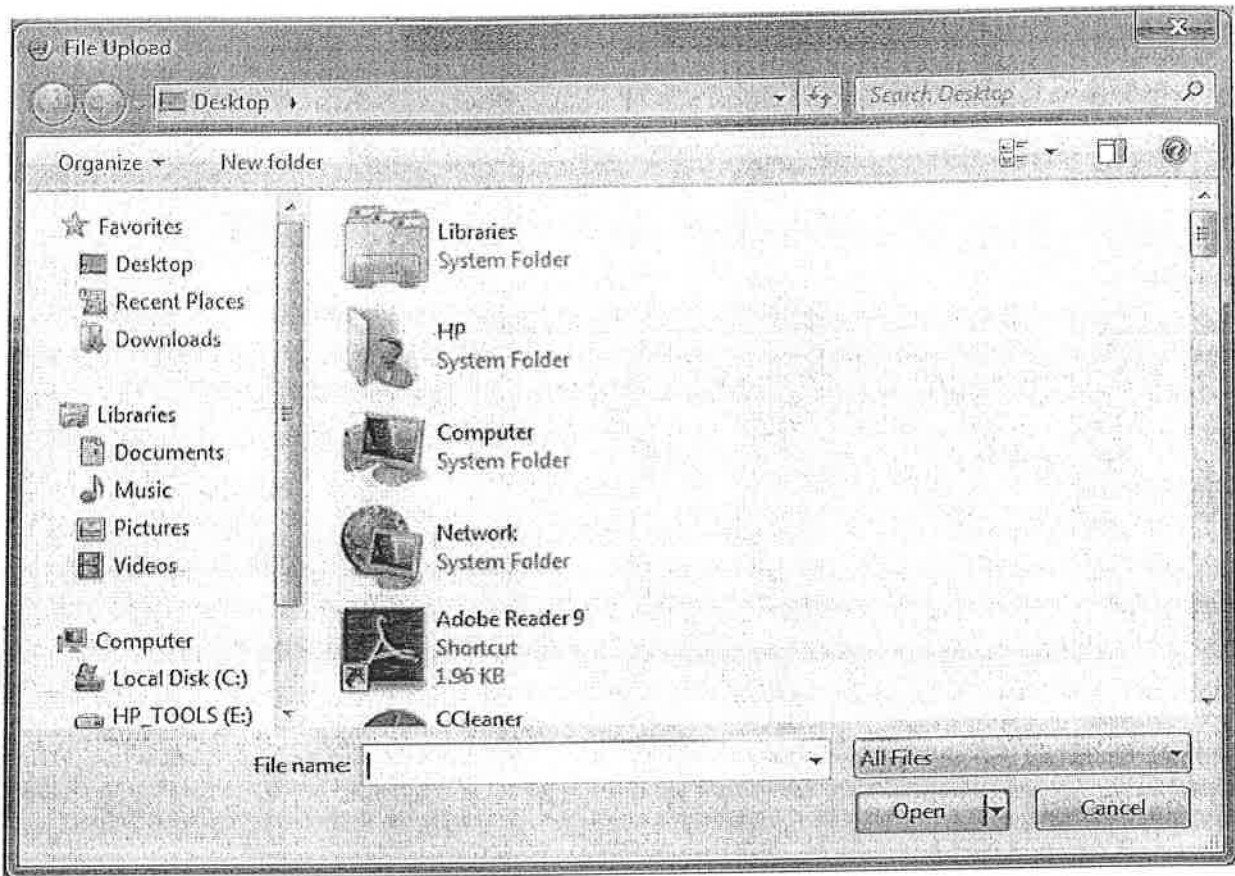
Kemaskini

Cetak


Keluar

- Klik butang "  " untuk kemaskini maklumat yang telah dimasukkan.
- Klik butang "  " dan skrin maklumat Borang G akan dipaparkan dalam bentuk pdf.
- Klik butang "  " dan tab SEMAKAN akan dipaparkan.

5. Klik butang "  " pada bahagian Muatnaik Borang H untuk memuatnaik borang H yang telah di tandatangan oleh orang kompeten dan skrin pilihan fail yang ingin dimuatnaik akan dipaparkan seperti berikut:



6. Klik butang " " untuk kembali ke Tab KONTRAKTOR.

7. Klik butang " " untuk simpan maklumat yang telah dimasukkan dan Tab PENGAKUAN akan dipaparkan.

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2.8 Tab Pengakuan

TAB PENGAKUAN

PERMOHONAN PELESENAN BARU

Maklumat berjaya diproses.

PERMOHONAN UNTUK PERLESENAN PERSENDIRIAN
(Permohonan 5kW ke bawah)

PANDUAN | PEMUNYA | PENJANAAN | PELAN LURISAN | JURUTERA PERLINDUNG | KONTRAKTOR | SEMAKAN | **PENGAKUAN**





PENGAKUAN PEMUNYA

- Saya mengaku bahawa maklumat-maklumat yang terkandung di dalam permohonan ini adalah BENAR dan kenyataan-kenyataan adalah betul dan saya sedar adalah menjadi suatu kesalahan di bawah Seksyen 8 Akta Bekalan Elektrik 1990 jika maklumat-maklumat yang diberikan itu palsu.
- Saya akan menjawab orang kompeten untuk menjaga, mengendalikan dan menyelia pemasangan menurut Akta Bekalan Elektrik 1990 dan Peraturan-Peraturan yang dibuat dibawahnya dan memaklumkan Suruhanjaya Tenaga berkenaan dengan perlantikan tersebut.
- Saya bersetuju untuk menghantar maklumat-maklumat mengenai tenaga elektrik, dijana dan bahanapi yang diguna (Statistik Penjanaaan Bulanan) ke Suruhanjaya Tenaga.

Nama: LEADSHINE SDN BHD
No. MyKad/No. Rec: 2035351A
Tarikh: 03/08/2016

<< Sebelum | Simpan | Semak & Cetak | Hantar

Skrin 23: Antaramuka Permohonan Pendaftaran Pelesenan Baru - Tab PENGAKUAN

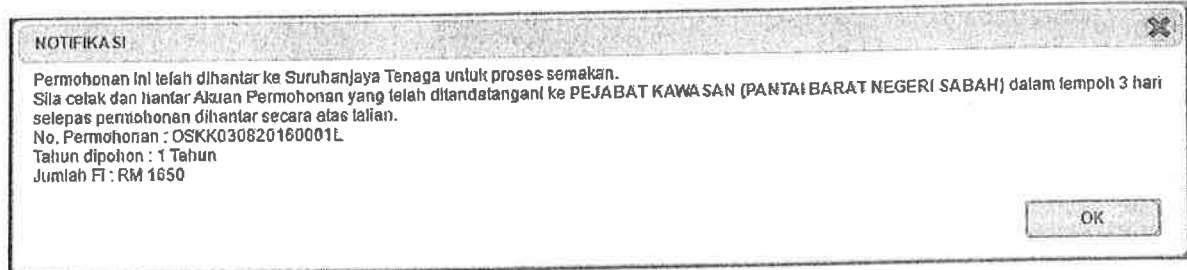
- Tandakan checkbox pengakuan berikut:
"Saya mengaku bahawa maklumat-maklumat yang terkandung di dalam permohonan ini adalah BENAR dan kenyataan-kenyataan adalah betul dan saya sedar adalah menjadi suatu kesalahan di bawah Seksyen 8 Akta Bekalan Elektrik 1990 jika maklumat-maklumat yang diberikan itu palsu."
- Tandakan checkbox pengakuan berikut:
"Saya akan menjawab orang kompeten untuk menjaga, mengendalikan dan menyelia pemasangan menurut Akta Bekalan Elektrik 1990 dan Peraturan-Peraturan yang dibuat dibawahnya dan memaklumkan Suruhanjaya Tenaga berkenaan dengan perlantikan tersebut."
- Tandakan checkbox pengakuan berikut:
"Saya bersetuju untuk menghantar maklumat-maklumat mengenai tenaga elektrik dijana dan bahanapi yang diguna ke Suruhanjaya Tenaga."
- Klik butang "  " untuk simpan maklumat.
- Klik butang "  " untuk kembali ke Tab SEMAKAN.
- Klik butang "  " untuk jana borang permohonan untuk cetakan. Pemohon boleh mencetak permohonan sekiranya perlu untuk simpanan.
- Klik butang "  " untuk menghantar permohonan. Mesej berikut akan dipaparkan:

MESEJ PENGESAHAN

Adakah anda pasti untuk menghantar permohonan ini?

OK BATAL

- Klik - untuk hantar permohonan ke Suruhanjaya Tenaga.
 - Permohonan yang dihantar secara atas talian akan diterima oleh Suruhanjaya Tenaga secara atas talian juga.
 - Dokumen sokongan yang telah ditandakan pada tab SEMAKAN perlu dihantar secara fizikal kepada Pejabat Kawasan Suruhanjaya Tenaga untuk membolehkan pihak Pejabat Kawasan Suruhanjaya Tenaga memproses permohonan yang dihantar secara atas talian.
 - Mesej berikut akan dipaparkan:



- Klik () OK pada mesej - akan ke skrin Semak Permohonan Pendaftaran Pelesenan Baru

- Klik - untuk batal proses hantar. Status permohonan akan kekal kepada 'DRAF'

Nota: Label bertanda asterik (*) adalah mandatori.

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2.9 Borang G

1. Antaramuka berikut akan dipaparkan:

BORANG G
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKUAN PENYELIAAN DAN PENYIAPAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
88450
KOTA KINABALU
SABAH

(Nama dan Alamat Pemunya)

BAHAGIAN 1 : PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX

Poskod : 88450

Bandar : KOTA KINABALU

Negeri : SABAH

Pepasangan ini ialah suatu pemasangan baru/ambahan/pengubahahan kepada pemasangan yang sedia ada*

BAHAGIAN 2 :PENYELIAAN DAN PENYIAPAN

Saya, orang kompeten yang bertanggungjawab (sebagaimana yang ditunjukkan oleh landatangan saya di bawah) bagi penyediaan dan penyediaan kerja elektrik dalam pemasangan diperhalakan dalam Bahagian 1, yang butiran-butirnya seperti yang diperhalakan dalam Jadual Lukisan dalam Bahagian 3, MEMPERAKUI bahawa kerja itu yang baginya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percaya mengikut Peraturan-Peraturan Elektrik 1994.

Takal itabilibili penandatanganan adalah lerhad kepada kerja elektrik yang yang diperhalakan dalam Bahagian 1 Perakuan Ini.

Bagi penyediaan dan penyediaan kerja elektrik : LEADSHINE SDN BHD

* No Perakuan Kekompetenan	<input type="text"/>	<input type="text"/>	<input type="text"/>
* Perakuan Kekompetenan	<input type="text"/>	<input type="text"/>	<input type="text"/>
* Nama	<input type="text"/>		
* Bagi Pihak	<input type="text"/>		
* Alamat	<input type="text"/>		
* Poskod	<input type="text"/>	* Bandar	<input type="text" value="SILA PILIH NEGERI"/>
* Negeri	<input type="text" value="SILA PILIH"/>		
* Tarikh	<input type="text"/>		

BAHAGIAN 3 :JADUAL LUKISAN

Setiap lukisan yang disenaraikan di bawah hendaklah mengandungi akaunaji yang berikut:

Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya selia dan disiapkan mengikut Peraturan-Peraturan Elektrik 1994

* No Perakuan Kekompetenan	<input type="text"/>	<input type="text"/>	<input type="text"/>
* Perakuan Kekompetenan	<input type="text"/>	<input type="text"/>	<input type="text"/>
* Nama	<input type="text"/>		
* Bagi Pihak	<input type="text"/>		
* Alamat	<input type="text"/>		
* Poskod	<input type="text"/>	* Bandar	<input type="text"/>
* Negeri	<input type="text" value="SILA PILIH"/>		
* Tarikh	<input type="text"/>		

PELAN LOKASI DAN TAPAK

NOTA:

1. Perakuan Penyediaan dan Penyediaan yang dikehendaki oleh peraturan 12 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan dilandatangani oleh orang kompeten berkenaan dengan penyediaan dan penyediaan kerja elektrik.
2. Perakuan ini akan menunjukkan tanggungjawab bagi penyediaan dan penyediaan kerja elektrik, sama ada yang berhubung dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
3. Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti perniagaan yang lain Individu hendaklah menyalakan orang yang diwakilinya.
4. Perakuan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
5. Tandatangan yang diturunkan ialah landalangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja penyediaan dan penyediaan kerja elektrik.
6. Nombor muka surat bagi setiap helaian hendaklah ditunjukkan bersama-sama dengan jumlah bilangan (atau surat yang terlibat).
7. Pemunya atau pengurusan pemasangan hendaklah mengemukakan Perakuan Penyediaan dan Penyediaan dan Perakuan Ujian (Borang G dan H dalam Jadual Pertama) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
8. Apabila diterima Perakuan dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah dari tarikh itu seterusnya membekalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.




Skrin 24: Antaramuka Borang G

2. Masukkan maklumat BAHAGIAN 2 : PENYELIAN DAN PENYIAPAN dengan klik pada ikon kanta () untuk membuat carian orang kompeten. Skrin carian akan dipaparkan:

BE	Jenis Kejuruteraan	Nama	No Kejuruteraan	No Rec	Syarikat
1	PENDAWAJELEKTRIK	HALIMAH BT CHE WIL	PWT-2-B-1105-1997	735295V	SYARIKAT ATC GROUP SDN. BHD.
2	PENDAWAJELEKTRIK	SITI SALAWAN BT SAMEOHAWA	PWT-4-B-1559-2000	735295V	SYARIKAT ATC GROUP SDN. BHD.
3	PENDAWAJELEKTRIK	MOHD NAZIQ BIN AWANG	PWT-4-B-1464-2001	735295V	SYARIKAT ATC GROUP SDN. BHD.
4	PENDAWAJELEKTRIK	MOHD ASRUL SANI BIN MOHD ALI	PWT-4-B-8218-2007	735295V	SYARIKAT ATC GROUP SDN. BHD.

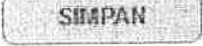
Skrin 25: Antaramuka Carian Orang Kompeten

- Klik pada ikon "  " untuk membuat pilihan orang kompeten. Maklumat orang kompeten yang dipilih akan dipaparkan pada Bahagian 2 dan Bahagian 3.

3. Masukkan maklumat BAHAGIAN 3 : JADUAL LUKISAN

- Tandakan *checkbox* () akujanji berikut,
"Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya selia mengikut

Peraturan-Peraturan Elektrik 1994 "

4. Klik butang "  " untuk simpan maklumat dan skrin maklumat yang telah dimasukkan akan dipaparkan.

BORANG G
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKUAN PENYELIAAN DAN PENYIAPAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
88450
KOTA KINABALU
SABAH

(Name dan Alamat Pemunya)

BAHAGIAN 1 :PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
 Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
 BUNGA RAJA SHOPPING COMPLEX
 Poskod : 88450 Bandar : KOTA KINABALU
 Negeri : SABAH

Pemasangan ini ialah suatu pemasangan baru/tambahan/pengubahan kepada pemasangan yang sedia ada*

BAHAGIAN 2 :PENYELEJAN DAN PENYIAPAN

Saya, orang kompeten yang bertanggungjawab (sebagaimana yang ditunjukkan oleh tandatangan saya di bawah) bagi penyediaan dan penyediaan kerja elektrik dalam pemasangan diperhalalkan dalam Bahagian 1, yang butiran-butirnya seperti yang diperhalalkan dalam Jadual Lukisan dalam Bahagian 3. MEMPRAKUKU bahawa kerja itu yang baginya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percaya mengikut Peraturan-Peraturan Elektrik 1994.

Takut ketidakpercayaan penandaatangan adalah terhadap kepada kerja elektrik yang yang diperhalalkan dalam Bahagian 1 Peraturan ini.

Bagi penyediaan dan penyediaan kerja elektrik LEADSIHNE SDN BHD

* No. Perakuan Kekompeteranan	PW-T-4-B-0216-2007	
* Perakuan Kekompeteranan	3 FASA DENGAN ENDORSAN DAN PENGUJIAN	
* Nama	MOHD ASRUL SANI BIN MOHD ALI	
* Bagi Pihak	SYARIKAT ATC GROUP SDN. BHD.	
* Alamat	16-2-1, BLOCK F, JALAN 4/50	
	DIAMOND SQUARE	
* Poskod	53000	* Bandar
		KUALA LUMPUR
* Negeri	WILAYAH PERSEKUTUAN KUALA LUMPUR	
* Tarikh	03/06/2016	

BAHAGIAN 3 :JADUAL LUKISAN

Setiap lukisan yang disenaraikan di bawah hendaklah mengandungi akuanji yang berikut.

Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya selia dan disiapkan mengikut Peraturan-Peraturan Elektrik 1994

* No. Perakuan Kekompeteranan	PW-T-4-B-0216-2007	
* Perakuan Kekompeteranan	3 FASA DENGAN ENDORSAN DAN PENGUJIAN	
* Nama	MOHD ASRUL SANI BIN MOHD ALI	
* Bagi Pihak	SYARIKAT ATC GROUP SDN. BHD.	
* Alamat	16-2-1, BLOCK F, JALAN 4/50	
	DIAMOND SQUARE	
* Poskod	53000	* Bandar
		KUALA LUMPUR
* Negeri	WILAYAH PERSEKUTUAN KUALA LUMPUR	
* Tarikh		



PELAN LOKASI DAN TAPAK 1100990

NOTA:

1. Perakuan Penyediaan dan Penyediaan yang dikehendaki oleh peraturan 12 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan penyediaan dan penyediaan kerja elektrik.
2. Perakuan ini akan menunjukkan tanggungjawab bagi penyediaan dan penyediaan kerja elektrik, sama ada yang berhubungan dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
3. Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti perniagaan yang lain individu hendaklah menyatakan orang yang diwakilinya.
4. Perakuan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
5. Tandatangan yang diturunkan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja penyediaan dan penyediaan kerja elektrik.
6. Nombor muka surat bagi setiap helai hendaklah ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terlibat.
7. Pemunya atau pengurusan pemasangan hendaklah mengemukakan Perakuan Penyediaan dan Penyediaan dan Perakuan Ujian (Borang G dan H dalam Jadual Pertama) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
8. Apabila diterima Perakuan dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah dan tarikh itu seterusnya membatalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.

Kemaskini Cetak Hantar

Skrin 26: Antaramuka Maklumat Borang G Yang Disimpan

- Klik butang "  " untuk kemaskini maklumat yang telah dimasukkan.
- Klik butang "  " dan skrin maklumat Borang G akan dipaparkan dalam bentuk pdf.

- Klik butang " **Keluar** " dan tab SEMAKAN akan dipaparkan.

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2.10 Borang H

1. Antaramuka berikut akan dipaparkan:

BORANG H
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKUAN UJIAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
JALAN BUNGA ULAM RAJA, KOLOMBONG
88450
KOTA KINABALU
SABAH

(Nama dan Alamat Pemunya)

BAHAGIAN 1 :PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
Poskod : 88450 Bandar : KOTA KINABALU
Negeri : SABAH
Pepasangan ini telah suatu pemasangan baru/tambahan/pengubahahan kepada pemasangan yang sedia ada*

BAHAGIAN 2 :UJIAN

Saya, orang kompeten yang bertanggungjawab (sebagaimana yang ditunjukkan oleh tandatangan saya di bawah) bagi ujian pemasangan yang diperihalkan dalam Bahagian 1, yang butiran-butirnya seperti yang diperihalkan dalam Jadual Lukisan dalam Bahagian 3 dan Jadual Keputusan Ujian dalam Bahagian 4, MEMPERAKUI bahawa pemasangan itu yang baginya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percayai mengikut Peraturan-Peraturan Elektrik 1994 dan bahawa pemasangan itu telah siap dan selamat untuk menerima elektrik daripada atau diberi elektrik oleh pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan

Takal lilibiliti penandaian adalah terhad kepada pemasangan yang diperihalkan dalam Bahagian 1 Perakuan ini

Bagi Ujian Pemasangan : LEADSHINE SDN BHD

* No. Perakuan Kekompetenan :

* Perakuan Kekompetenan :

* Nama :

* Bagi Pihak :

* Alamat :

* Poskod : Bandar :

* Negeri :

* Tarikh :

BAHAGIAN 3 :JADUAL LUKISAN

Selap lukisan yang disenaraikan di bawah ini hendaklah mengandungi aluraji yang berikut.

Ltd. Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini ialah saya uji mengikut Peraturan-Peraturan Elektrik 1994.

* No. Peraturan Kekompetanan
 * Peraturan Kekompetanan
 * Nama
 * Bagi Pihak
 * Alamat
 * Poskod
 * Bandar
 * Negeri
 * Tarikh

PELAN LOKASI DAN TAPAK 1100990

BAHAGIAN 4 : JADUAL KEPUTUSAN UJIAN

	No Rujukan
(a) Sijil ujian geganti perlindungan bagi peratus liter yang telah dicatikan oleh Jurutera Perkhidmatan Elektrik	
(b) Sijil ujian suisbod daripada pengilang papan suis yang bertaraf	
(c)	
(d)	

NOTA:


- Perakuan Ujian yang dikehendaki oleh peraturan 13 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan ujian pemasangan.
- Perakuan ini akan menunjukkan tanggungjawab bagi menguji pemasangan, sama ada bertubung dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
- Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti perniagaan yang lain, individu hendaklah menyatakan orang yang diwakili.
- Perakuan tambahan mungkin dikehendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
- Tandatangan yang dilurukan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja menguji pemasangan.
- Nombor muka surat bagi setiap helaikan sepatutnya ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terlibat.
- Pemunya atau pengurusan pemasangan hendaklah mengemukakan Perakuan Penyediaan dan Penyediaan dan Perakuan Ujian (Borang G dan H dalam Jadual Pertama) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
- Apabila diterima Perakuan yang disebut dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah mudal dari ini membekalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.

Skrin 27: Antaramuka Borang H

2. Masukkan maklumat BAHAGIAN 2 : PENYELIAN DAN PENYIAPAN dengan klik pada ikon kanta () untuk membuat carian orang kompeten. Skrin carian akan dipaparkan:

Id	Jenis Kekompetanan	Nama	No Kekompetanan	No Roc	Syarikat
1	PENDAWAI ELEKTRIK	HALIMAH BT CHE WL	PW-T-2-B-1105-1997	739298V	SYARIKAT ATC GROUP SDN. BHD.
2	PENDAWAI ELEKTRIK	BITI SALAWANI BT SAMGOWAWI	PW-T-4-B-1059-2000	739298V	SYARIKAT ATC GROUP SDN. BHD.
3	PENDAWAI ELEKTRIK	MCHD NAZRI BIN AWANG	PW-T-4-B-1484-2001	739298V	SYARIKAT ATC GROUP SDN. BHD.
4	PENDAWAI ELEKTRIK	MCHD ASRUL SANI BIN MCHD ALI	PW-T-4-B-0216-2007	739298V	SYARIKAT ATC GROUP SDN. BHD.

Skrin 28: Antaramuka Carian Orang Kompeten

- Klik pada ikon "  " untuk membuat pilihan orang kompeten. Maklumat orang kompeten yang dipilih akan dipaparkan pada Bahagian 2 dan Bahagian 3.

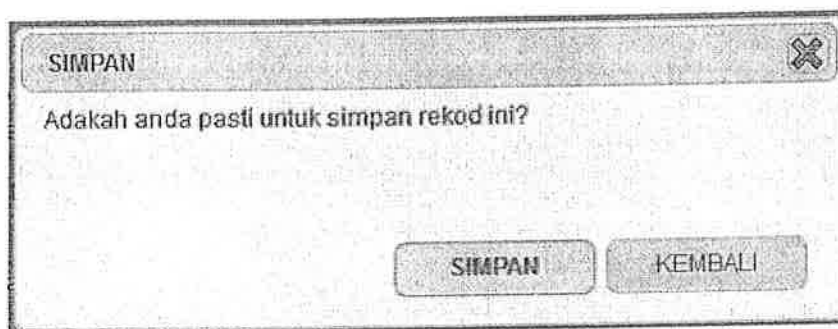
3. Masukkan maklumat BAHAGIAN 3 : JADUAL LUKISAN



- Tandakan *checkbox* (☑) akujanji berikut;
"Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya uji mengikut Peraturan-Peraturan Elektrik 1994. "

4. Masukkan maklumat No. Rujukan pada BAHAGIAN 4 : JADUAL KEPUTUSAN UJIAN

- Sijil ujian geganti perlindungan bagi pemutus litar yang telah disahkan oleh Jurutera Perkhidmatan Elektrik
- Sijil ujian suisbod daripada pengilang papan suis yang berdaftar

5. Klik butang "  " untuk simpan maklumat dan mesej akan dipaparkan:



- Klik butang "  " untuk batalkan proses simpan.
- Klik butang "  " untuk simpan maklumat dan skrin maklumat yang telah dimasukkan akan dipaparkan.

BORANG G
(Peraturan 14)
AKTA BEKALAN ELEKTRIK 1990
PERAKUAN PENYELIAAN DAN PENYIAPAN

KEPADA: LEADSHINE SDN BHD
1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
88450
KOTA KINABALU
SABAH

(Nama dan Alamat Pemunya)

BAHAGIAN 1 :PERINCIAN PEPASANGAN

Pelanggan : LEADSHINE SDN BHD
Alamat : 1-3RD FLOOR, LOT 1, LORONG 5
BUNGA RAJA SHOPPING COMPLEX
Poskod : 88450 Bander : KOTA KINABALU
Negeri : SABAH

Pepasangan ini ialah suatu pemasangan baru/ambahan/pengubahan kepada pemasangan yang sedia ada

BAHAGIAN 2 :PENYELIAAN DAN PENYIAPAN

Saya, orang kompeten yang bertanggungjawab (sebagaimana yang ditunjukkan oleh tandatangan saya di bawah) bagi penyeliaan dan penyediaan kerja elektrik dalam pemasangan dipelihara dalam Bahagian 1, yang buta-bumanya seperti yang dipelihara dalam Jadual Lukisan dalam Bahagian 3. MEMPERAKUI bahawa kerja itu yang baginya saya bertanggungjawab adalah sepanjang yang saya ketahui dan percaya mengikut Peraturan-Peraturan Elektrik 1994.

Takal habilitasi penandatanganan adalah terhad kepada kerja elektrik yang yang dipelihara dalam Bahagian 1 Peraturan ini.

Bagi penyeliaan dan penyediaan kerja elektrik LEADSI4ME SDN BHD

* No. Perakuan Kekompelenan	FW-T-4-B-0216-2007	
* Perakuan Kekompelenan	3 FASA DENGAN ENDORSAN DAN PENGUJIAN	
* Nama	MOHD ASRUL SANI BIN MOHD ALI	
* Bagi Pihak	SYARIKAT ATC GROUP SDN. BHD.	
* Alamat	18-2-1, BLOCK F, JALAN 450 DIAMOND SQUARE	
* Poskod	* Bandar	53000 KUALA LUMPUR
* Negeri	WILAYAH PERSEKUTUAN KUALA LUMPUR	
* Tarikh	03/08/2016	

BAHAGIAN 3 :JADUAL LUKISAN

Setiap lukisan yang disenaraikan di bawah hendaklah mengandungi akujanji yang berikut.

Saya dengan ini mengesahkan bahawa kerja elektrik yang disenaraikan dalam lukisan ini telah saya selia dan disiapkan mengikut Peraturan-Peraturan Elektrik 1994

* No. Perakuan Kekompelenan	FW-T-4-B-0216-2007	
* Perakuan Kekompelenan	3 FASA DENGAN ENDORSAN DAN PENGUJIAN	
* Nama	MOHD ASRUL SANI BIN MOHD ALI	
* Bagi Pihak	SYARIKAT ATC GROUP SDN. BHD.	
* Alamat	18-2-1, BLOCK F, JALAN 450 DIAMOND SQUARE	
* Poskod	* Bandar	53000 KUALA LUMPUR
* Negeri	WILAYAH PERSEKUTUAN KUALA LUMPUR	
* Tarikh		

PELAN LOKASI DAN TAPAK 1100990

NOTA:


1. Perakuan Penyeliaan dan Penyediaan yang diketendaki oleh peraturan 12 Peraturan-Peraturan Elektrik 1994 hendaklah dibuat dan ditandatangani oleh orang kompeten berkenaan dengan penyediaan dan penyediaan kerja elektrik.
2. Perakuan ini akan menunjukkan tanggungjawab bagi penyediaan dan penyediaan kerja elektrik, sama ada yang berhubungan dengan pemasangan baru atau kerja selanjutnya pada pemasangan yang sedia ada.
3. Apabila membuat dan menandatangani perakuan bagi pihak syarikat atau entiti perniagaan yang lain individu hendaklah menyatakan orang yang diwakilinya.
4. Perakuan tambahan mungkin diketendaki sebagai penjelasan bagi kerja elektrik yang lebih besar atau rumit.
5. Tandatangan yang dilurukan ialah tandatangan orang kompeten yang diberi kuasa oleh syarikat yang melaksanakan kerja penyediaan dan penyediaan kerja elektrik.
6. Nombor muka surat bagi setiap helaian hendaklah ditunjukkan bersama-sama dengan jumlah bilangan muka surat yang terlibat.
7. Pemunya atau pengurusan pemasangan hendaklah mengemukakan Perakuan Penyediaan dan Penyediaan dan Perakuan Ujian (Borang G dan H dalam Jadual Pertama) kepada pemegang lesen atau pihak berkuasa bekalan, mengikut mana-mana yang berkenaan, bagi menerima elektrik daripada pemegang lesen atau pihak berkuasa bekalan.
8. Apabila diterima Perakuan dalam perenggan 7, pemegang lesen atau pihak berkuasa bekalan hendaklah dan tarikh itu seterusnya membatalkan elektrik seperti yang diminta oleh pemunya atau pengurusan pemasangan.

Kemaskini Cetak Kehuar

Skrin 29: Antaramuka Maklumat Borang H Yang Disimpan

5. Klik butang "Kemaskini" untuk kemaskini maklumat yang telah dimasukkan.

6. Klik butang "Cetak" dan skrin maklumat Borang G akan dipaparkan dalam bentuk pdf.

7. Klik butang "" dan tab SEMAKAN akan dipaparkan.

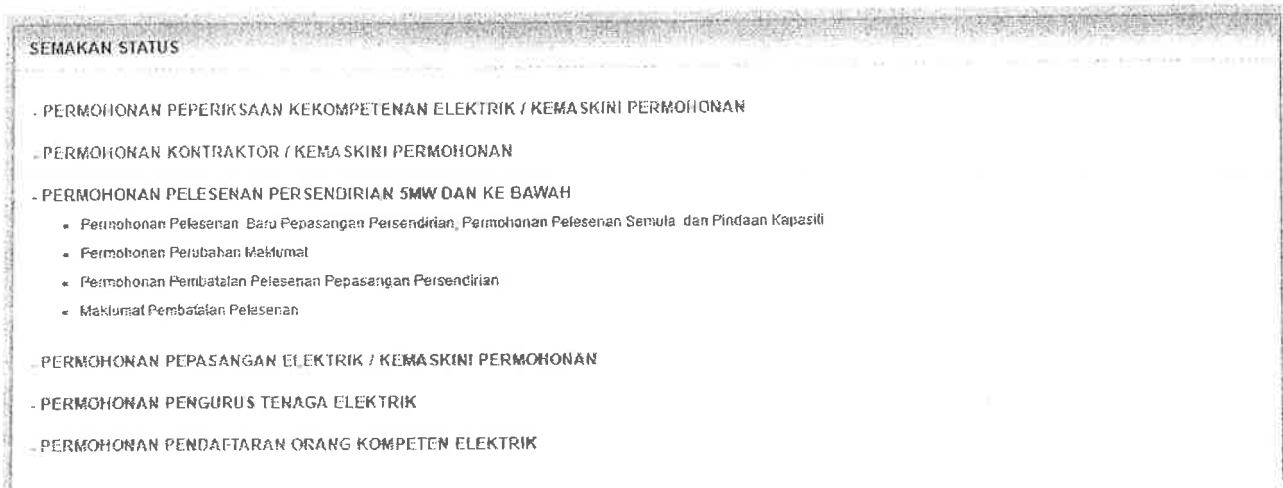
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3.0 Semakan Permohonan Pendaftaran Pelesenan Baru

Pengguna boleh akses kepada menu Semak Status Permohonan. Pengguna perlu membuat pilihan menu:

Menu >> Semakan

Klik pada hiperpautan untuk **PERMOHONAN PELESENAN PERSENDIRIAN 5MW DAN KE BAWAH** untuk papar senarai perkhidmatan untuk semakan permohonan yang dibuat. Antaramuka berikut akan dipaparkan:



Skrin 30: Antaramuka Menu Semakan Permohonan Pelesenan

Klik pada hiperpautan untuk **Permohonan Pelesenan Baru Pemasangan Persendirian, Permohonan Pelesenan Semula dan Pindaan Kapasiti** untuk membuat semakan status permohonan pendaftaran pelesenan.



Skrin 31: Antaramuka Menu Semak Status Permohonan Pelesenan


1. Senarai permohonan pemohon akan dipaparkan. Senarai dipaparkan termasuk:
 - PERMOHONAN BARU
 - PERMOHONAN PELESENAN SEMULA
 - PERMOHONAN PINDAAN KAPASITI
2. Senarai semakan status permohonan akan memaparkan maklumat berikut:
 - No. Permohonan
 - Jenis Permohonan
 - Tarikh Mohon
 - Status - papar status terkini permohonan


STATUS	PENERANGAN
DRAF	maklumat permohonan pelesenan baru telah dimasukkan sepenuhnya/sebahagian oleh pemohon tetapi belum dihantar kepada Suruhanjaya Tenaga secara atas talian. Pemohon masih boleh mengemaskini maklumat permohonan.
PERMOHONAN BARU	maklumat permohonan pelesenan baru telah dimasukkan sepenuhnya oleh pemohon dan telah dihantar kepada Suruhanjaya Tenaga secara atas talian dan permohonan tidak boleh dikemaskini
PERMOHONAN PELESENAN SEMULA	maklumat permohonan pelesenan semula telah dimasukkan sepenuhnya/sebahagian oleh pemohon dan telah dihantar kepada Suruhanjaya Tenaga secara atas talian
PERMOHONAN PINDAAN KAPASITI	maklumat permohonan pindaan kapasiti telah dimasukkan sepenuhnya oleh pemohon dan telah dihantar kepada Suruhanjaya Tenaga secara atas talian
LENGGAP	permohonan telah diterima secara atas talian oleh Suruhanjaya Tenaga dan telah disemak dan lengkap untuk ke proses seterusnya.
TIDAK LENGKAP	permohonan telah diterima secara atas talian oleh Suruhanjaya Tenaga dan telah disemak dan tidak lengkap.
LULUS	permohonan telah diluluskan. Pemohon perlu membuat bayaran sekiranya pembayaran belum dibuat
TIDAK LULUS	permohonan tidak diluluskan


- No. Fail
- Status Bayaran


3. Klik pada hiperpautan No. Permohonan

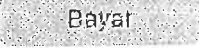
- Borang Permohonan akan dipaparkan.
- Sekiranya status = DRAF / TIDAK LENGKAP, pemohon boleh membuat pengemaskinian kepada borang permohonan yang telah diisi sebelum ini sebelum dihantar ke Suruhanjaya Tenaga.
- Sekiranya status = PERMOHONAN BARU (atau status lain, selain dari DRAF / TIDAK LENGKAP), pemohon hanya boleh melihat maklumat yang dimasukkan pada borang permohonan tanpa membuat sebarang pengemaskinian.
- Sila klik di sini (Permohonan Pendaftaran Pelesenan Baru) untuk membuat sebarang pengemaskinian.

4. Klik pada ikon () CETAK untuk cetak permohonan yang telah dimasukkan dan paparan dalam bentuk pdf akan dipaparkan.

5. Klik ikon () KEMASKINI untuk mengemaskini permohonan yang masih berstatus DRAF.

6. Klik ikon () HAPUS untuk hapus permohonan yang masih berstatus DRAF.

7. Klik ikon () CETAK AKUAN untuk cetak akuan permohonan dan perlu ditandatangani untuk dihantar kepada Pejabat Kawasan Suruhanjaya Tenaga yang telah dinyatakan pada akuan permohonan.

8. Klik butang  dan sistem akan paparkan skrin bayaran atas talian. Sistem akan paparkan senarai bayaran bagi permohonan yang masih belum membuat proses pembayaran.

*Untuk maklumat lanjut mengenai bayaran atas talian, sila rujuk manual pengguna Hasil > Bayaran Atas Talian.

MAKLUMAT PEMBAYARAN

Senarai Pembayaran Bilir Pembayaran Rekod Transaksi

Senarai permohonan yang belum bayar

Bil	Tarikh Mula	No. Permohonan	Jenis Permohonan	Status Bayaran	Amount (RM)
1	03/09/2016	OSKK030820160001L	Permohonan Pelulusan Baru Pemasangan Pemandirian	BELUM BAYAR	1,850.00
2	05/05/2016	OSKK0505201600004K [SUFIAN BIN AJI 410401045093]	PENDAFTARAN SEMULA	BELUM BAYAR	300.00
3	05/05/2016	OSKK0505201600006K [AROKIAM AL ANTHONISAMY 520818715141]	PENDAFTARAN SEMULA	BELUM BAYAR	120.00
4	05/05/2016	OSKK0505201600003C	PEMBAHARUAN	BELUM BAYAR	550.00
5	05/05/2016	OSKK0505201600005K [AEDUL HAMID BIN OSMAN 410205015225]	PENDAFTARAN SEMULA	BELUM BAYAR	290.00

1/5 (5)

Nota :

Jumlah fi yang dipaparkan tertakluk kepada kelulusan Suruhanjaya Tenaga.
Suruhanjaya Tenaga berhak meminta jumlah fi yang baru sekiranya terdapat perbezaan fi.

Bayar

Skrin 32: Antaramuka Bayaran Atas Talian

02 Permohonan Pelesenan Semula Pemasangan Persendirian

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2.2 Tab Bahagian B	11
3.0 Semakan Status Permohonan	13



MANUAL PENGGUNA

PERMOHONAN PELESENAN SEMULA PEPASANGAN PERSENDIRIAN

(PEMOHON AWAM)

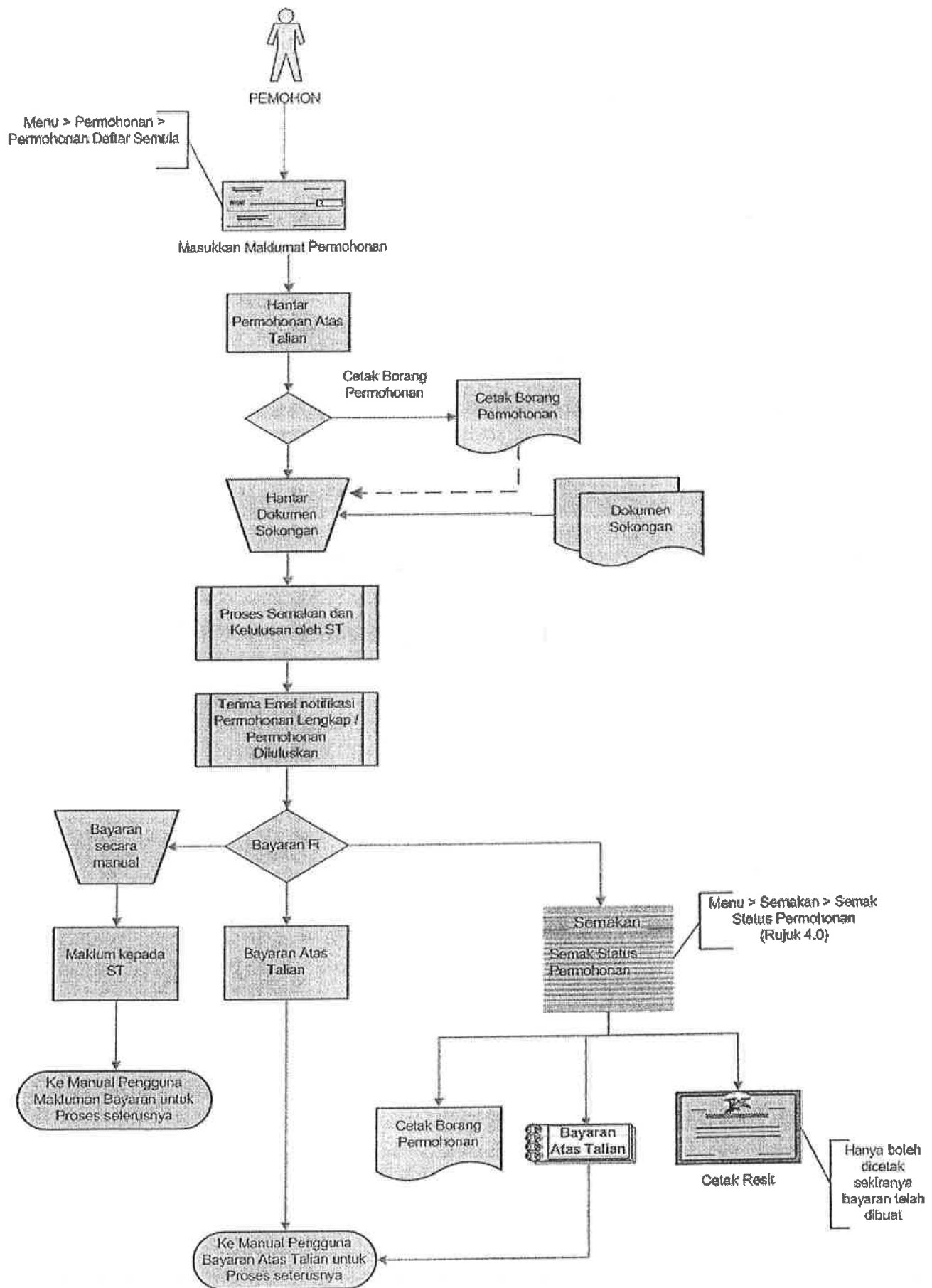
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Isi Kandungan

- 1.0 Login Pengguna
- 2.0 Permohonan Pelesenan Semula Pemasangan Persendirian
 - 2.1 Tab Bahagian A
 - 2.2 Tab Bahagian B
- 3.0 Semak Status Permohonan

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Aliran Kerja



1.0 Login Pengguna

PENGENALAN

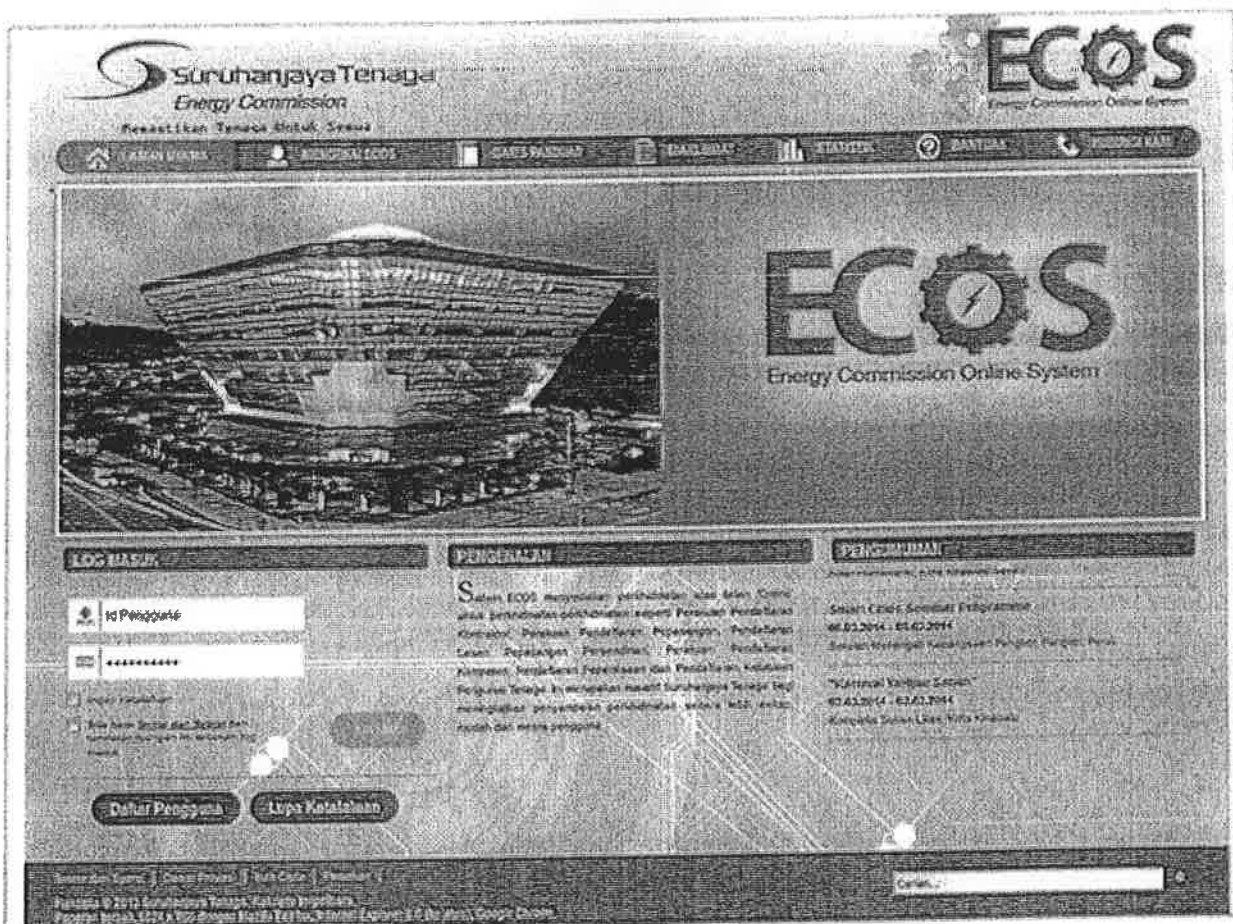
Pengguna perlu mendaftar sebagai pengguna Sistem ECOS terlebih dahulu. Jika telah mendaftar, sila ke laman sesawang (<http://ecos.st.gov.my>) untuk akses ke Sistem ECOS. Pengguna boleh akses ke Sistem ECOS ini menggunakan antaramuka Mozilla Firefox, Google Chrome, Internet Explorer 8.0 (ke atas).

Manual ini adalah bagi permohonan dan proses berikut:

- o Permohonan Pelesenan Semula Pemasangan Persendirian
- o Semak Status Permohonan Pelesenan Semula Pemasangan Persendirian

LOGIN PENGGUNA

1. Masukkan alamat laman sesawang untuk ke Sistem ECOS (<http://ecos.st.gov.my>) pada tettingkap pengguna. Antaramuka untuk daftar masuk pengguna akan dipaparkan.



Skrin 1: Antaramuka Login

2. Masukkan ID pengguna (*username*) dan kata laluan pengguna.

- Klik checkbox untuk Terma dan Syarat

Sila baca **Terma dan Syarat** dan tandakan ruangan ini sebelum log masuk.


MASUK

- Klik butang

3. Sekiranya kata laluan atau ID pengguna salah, antaramuka berikut akan dipaparkan:



Skrin 2: Antaramuka Salah Katalaluan

4. Masukkan kata laluan yang betul. Klik butang "  ", antaramuka laman utama akan dipaparkan.

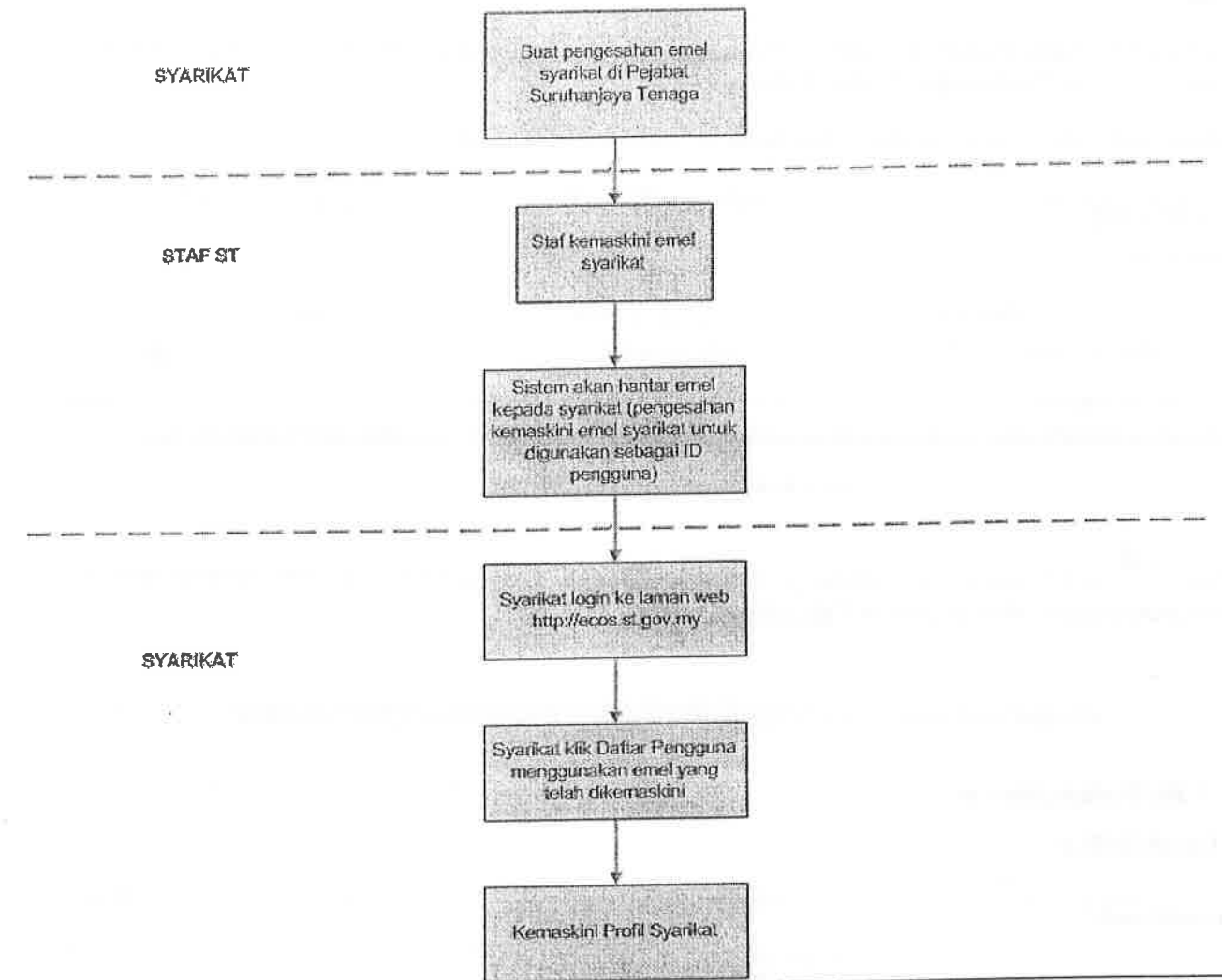
SYARAT-SYARAT LAIN

1. Bagi **Syarikat** yang sedia ada rekod pendaftaran dengan Suruhanjaya Tenaga (ST), samada rekod pendaftaran **Kontraktor / Pemasangan** atau **Pelesenan**, perlu semak syarat tambahan ini:

- **KEMASKINI EMEL TERKINI**
 - **Maklum** kepada Pejabat Kawasan Suruhanjaya Tenaga (ST) untuk **KEMASKINI EMEL** yang terkini **SEBELUM** membuat pendaftaran pengguna
 - Hanya staf ST sahaja yang boleh mengemaskini emel syarikat.
 - Syarikat akan terima emel memaklumkan kemaskini tersebut.
 - Syarikat boleh membuat pendaftaran pengguna untuk akses ke dalam Sistem ECOS **SELEPAS MENERIMA** makluman kemaskini emel tersebut

Sila rujuk aliran kerja berikut:

CARTA ALIR KEMASKINI EMEL SYARIKAT SEBELUM DAFTAR PENGGUNA *ECOS ONLINE*



2. Bagi pengguna yang log masuk kali pertama, diwajibkan mengemaskini Maklumat Pengguna terlebih dahulu sebelum membuat apa-apa permohonan. Klik pada hiperpautan menu Maklumat Pengguna di atas, bahagian kanan



Skrin 3: Menu Maklumat Pengguna

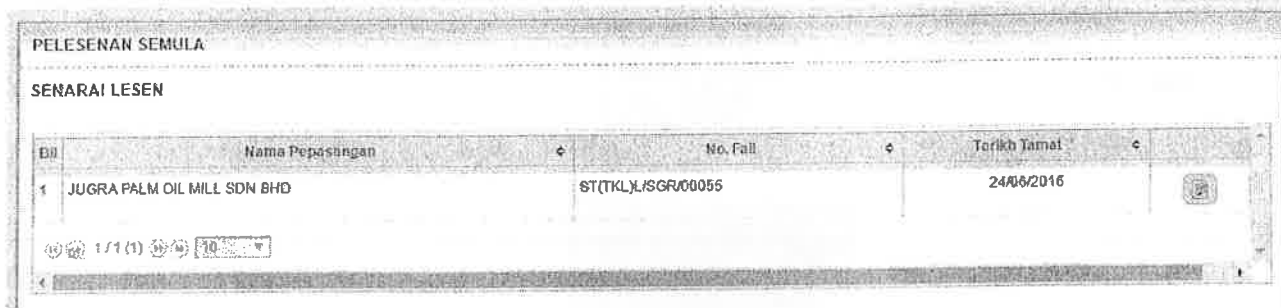
Created with the Personal Edition of HelpNDoc: [Full-featured Help generator](#)

2.0 Permohonan Pelesenan Semula Pemasangan Persendirian

Pilih Menu:

Permohonan >> Permohonan Pendaftaran Pelesenan Persendirian 5mw Dan Ke Bawah >> Permohonan Pelesenan Semula Pemasangan Persendirian

Secara *default* sistem akan paparkan skrin Senarai Lesen seperti berikut:



ID	Nama Pemasangan	No. Fall	Terikh Tamat
1	JUGRA PALM OIL MILL SDN BHD	ST(TKL)JISGR00055	24/06/2016

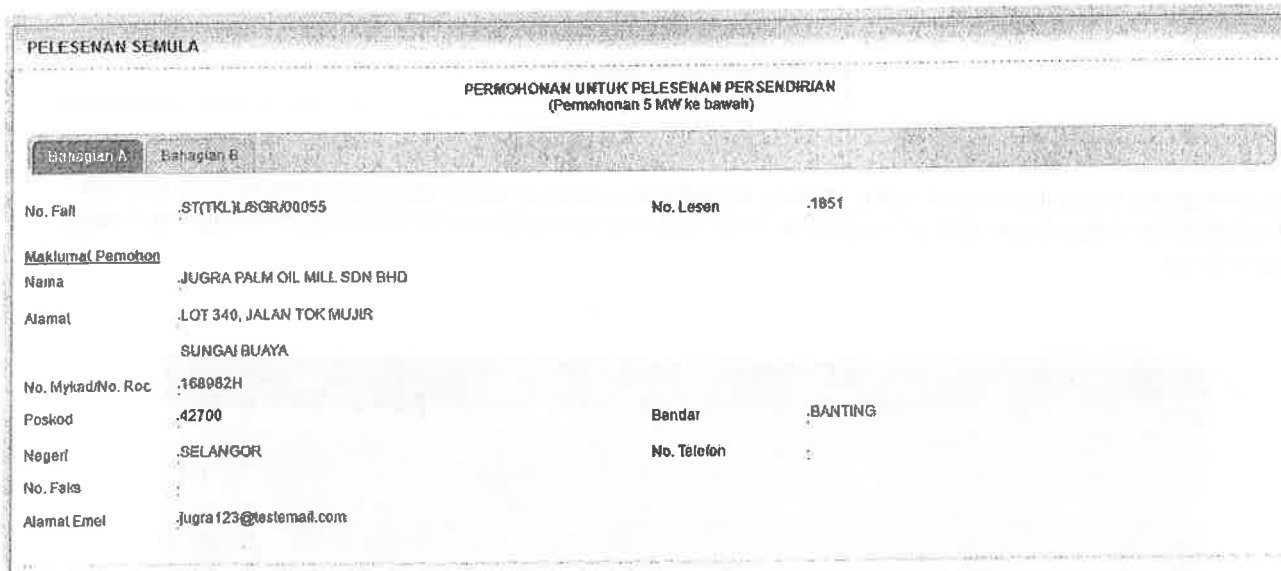
Skrin 4: Antaramuka Senarai Lesen

Klik ikon  untuk membuat permohonan pelesenan semula. Skrin permohonan akan dipaparkan dan secara default sistem akan paparkan **Tab BAHAGIAN A**.

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2.1 Tab Bahagian A

TAB BAHAGIAN A



No. Fall	.ST(TKL)JISGR00055	No. Lesen	.1851
Maklumat Pemohon			
Nama	.JUGRA PALM OIL MILL SDN BHD		
Alamat	.LOT 340, JALAN TOK MUJIR SUNGAI BUAYA		
No. Mykad/No. Roc	.168982H		
Poskod	.42700	Bandar	.BANTING
Negeri	.SELANGOR	No. Telefon	.
No. Faks	.		
Alamat Emel	.jugra123@testemail.com		

Maklumat Pemasangan			
Nama	JUGRA PALM OIL MILL SDN BHD		
Alamat	LOT 340 JALAN TOK MUJIR SUNGEI BUAYA		
Poskod	42700	Bandar	BANTING
Negeri	SELANGOR	No. Telefon	
No. Faks		Keupayaan (kW)	4164
Tempoh Dipohon	1 TAHUN		
Pembekal Tenaga	TNB		
Jika Lain-lain			

Skrin 5: Antaramuka Permohonan Pendaftaran Pelesenan Semula - Tab BAHAGIAN A


1. Sistem akan paparkan Tempoh Dipohon = 1 TAHUN.
2. Maklumat Pembekal Tenaga yang disenaraikan adalah:
 - TNB
 - SESB
 - LAIN-LAIN
3. Klik butang " " untuk simpan maklumat yang telah dimasukkan dan Tab BAHAGIAN B akan dipaparkan.
4. Klik butang " " untuk keluar daripada permohonan pendaftaran pelesenan semula.

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2.2 Tab Bahagian B

TAB BAHAGIAN B

PELESENAN SEMULA

 Maklumat berjaya diproses.

PERMOHONAN UNTUK PELESENAN PERSENDIRIAN
(Permohonan 5 MW ke bawah)

PENGAKUAN PEMOHON





Saya dengan ini mengaku bahawa maklumat-maklumat seperti di atas adalah benar dan dengan ini memohon Lesen bagi pemasangan persendirian bagi tempoh seperti yang dinyatakan di atas.

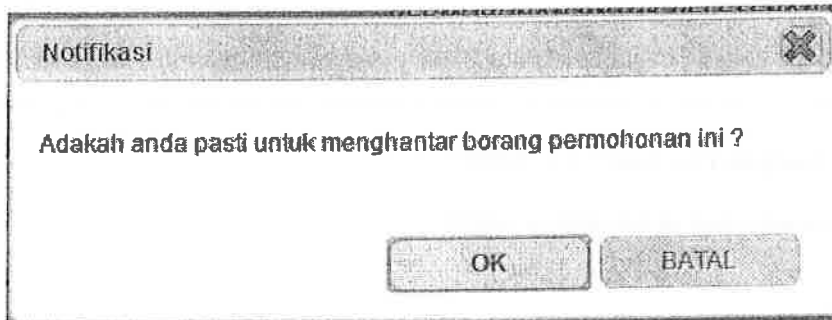
Nama:



Jawatan:

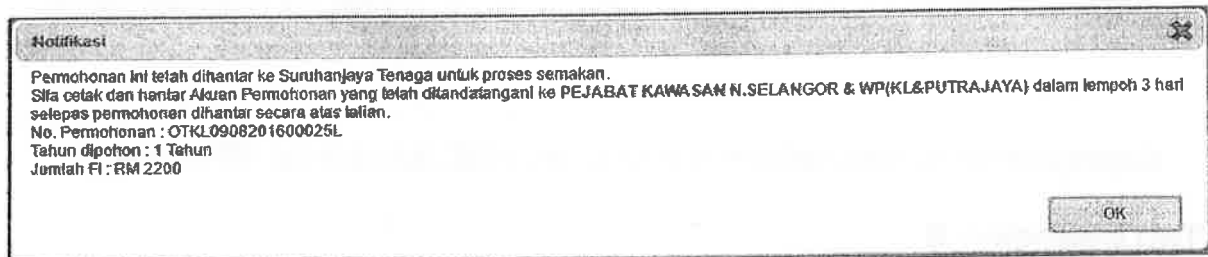
**Sila buat Permohonan Pindaan jika terdapat perubahan

Skrin 6: Antaramuka Permohonan Pendaftaran Pelesenan Semula - Tab BAHAGIAN B

1. Masukkan maklumat Jawatan
2. Klik butang " " untuk simpan maklumat.
3. Klik butang " " untuk kembali ke Tab BAHAGIAN A.
4. Klik butang " " untuk jana borang permohonan untuk cetakan. Pemohon boleh mencetak permohonan sekiranya perlu untuk simpanan.
5. Klik butang " " untuk menghantar permohonan. Mesej berikut akan dipaparkan:



- Klik  - untuk batalkan proses dan sistem akan paparkan skrin sebelum.
- Klik  - untuk hantar permohonan ke Suruhanjaya Tenaga dan skrin notifikasi akan dipaparkan seperti berikut:
 - Permohonan yang dihantar secara atas talian akan diterima oleh Suruhanjaya Tenaga secara atas talian juga.



- Klik  dan skrin Semakan Status Permohonan akan dipaparkan.

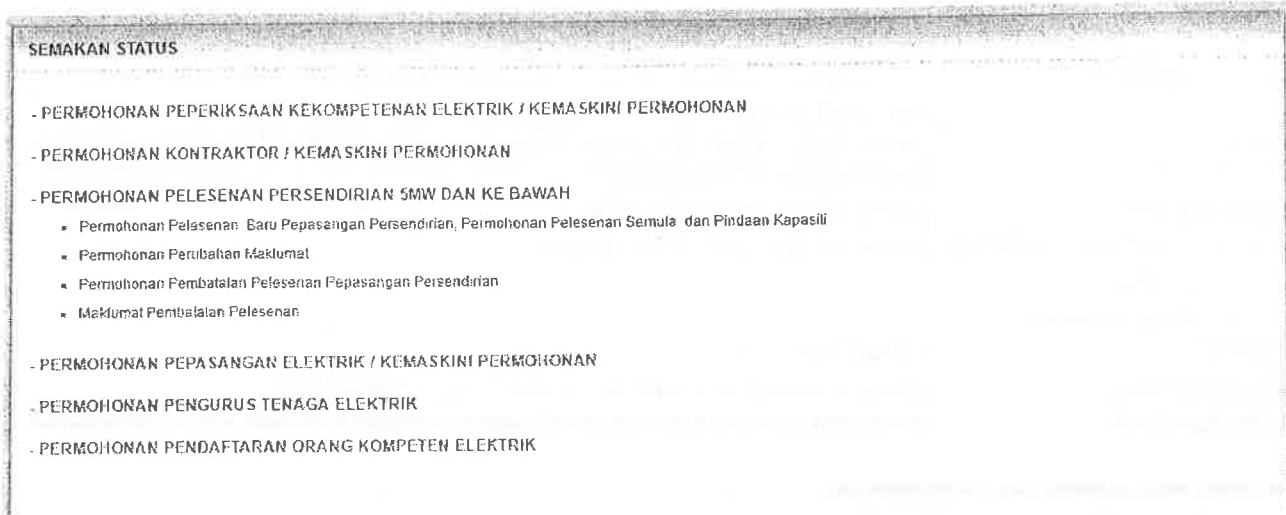
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3.0 Semakan Status Permohonan

Pengguna boleh akses kepada menu Semak Status Permohonan. Pengguna perlu membuat pilihan menu:

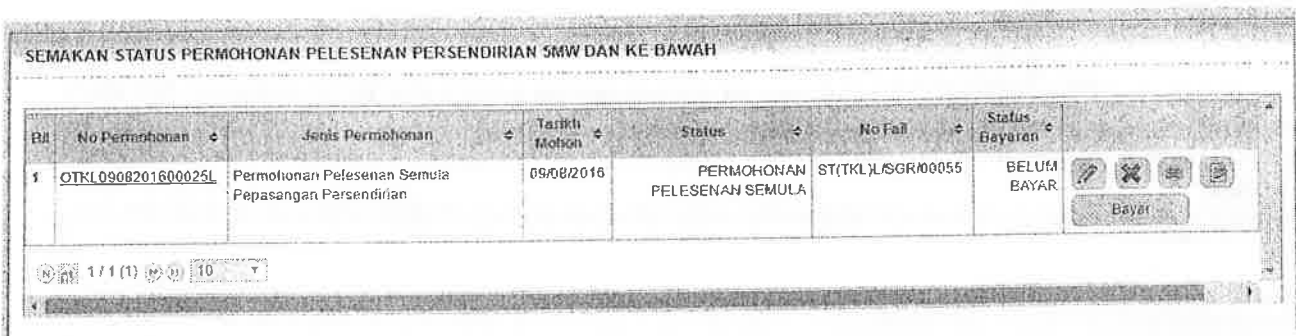
Menu >> Semakan

Klik pada hiperpautan **SEMAKAN STATUS PERMOHONAN PELESENAN PERSENDIRIAN 5MW DAN KE BAWAH** untuk papar senarai semakan permohonan yang telah dibuat. Antaramuka berikut akan dipaparkan:



Skrin 7: Antaramuka Menu Semakan Permohonan Pelesenan

Klik pada hiperpautan untuk **Semak Status Permohonan Pelesenan Baru Pemasangan Persendirian, Permohonan Pelesenan Semula dan Pindaan Kapasiti** untuk membuat semakan status permohonan pendaftaran pelesenan.



Skrin 8: Antaramuka Menu Semakan Status Permohonan Pelesenan

1. Senarai permohonan yang telah dipohon akan dipaparkan. Senarai yang dipaparkan termasuk:
 - PERMOHONAN BARU
 - PERMOHONAN PELESENAN SEMULA
 - PERMOHONAN PINDAAN KAPASITI
2. Senarai akan papar maklumat berikut:
 - No. Permohonan
 - Jenis Permohonan
 - Tarikh Mohon
 - Status - papar status terkini permohonan:

STATUS	PENERANGAN
DRAF	maklumat permohonan baru telah dimasukkan sepenuhnya / sebahagian oleh pemohon tetapi belum dihantar kepada Suruhanjaya Tenaga secara atas talian. Pemohon masih boleh mengemaskini maklumat permohonan.
PERMOHONAN BARU	maklumat permohonan baru telah dimasukkan sepenuhnya oleh pemohon dan telah dihantar kepada Suruhanjaya Tenaga secara atas talian
PERMOHONAN PELESENAN SEMULA	maklumat permohonan pelesenan semula telah dimasukkan sepenuhnya / sebahagian oleh pemohon dan telah dihantar kepada Suruhanjaya Tenaga secara atas talian
PERMOHONAN PINDAAN KAPASITI	maklumat permohonan pindaan kapasiti telah dimasukkan sepenuhnya oleh pemohon dan telah dihantar kepada Suruhanjaya Tenaga secara atas talian
LENGKAP	permohonan telah diterima secara atas talian oleh Suruhanjaya Tenaga dan telah disemak dan lengkap untuk ke proses seterusnya.
TIDAK LENGKAP	permohonan telah diterima secara atas talian oleh Suruhanjaya Tenaga dan telah disemak dan tidak lengkap.
LULUS	permohonan telah diluluskan. Pemohon perlu membuat bayaran sekiranya pembayaran belum dibuat
TIDAK LULUS	permohonan tidak diluluskan
SIJIL TELAH DIKELUARKAN	perakuan Borang F telah dicetak

- No. Fail
- Status Bayaran

STATUS	PENERANGAN
BELUM BAYAR	permohonan belum membayar jumlah fi yang dinyatakan
SUDAH BAYAR	permohonan sudah membuat pembayaran mengikut jumlah fi yang dinyatakan

3. Klik pada hiperpautan **No. Permohonan**

- Borang Permohonan akan dipaparkan.
- Sekiranya status = DRAF / TIDAK LENGKAP, pemohon boleh membuat pengemaskinian kepada borang permohonan yang telah diisi sebelum ini sebelum dihantar ke Suruhanjaya Tenaga.
- Sekiranya status = PERMOHONAN BARU (atau status lain, selain dari DRAF / TIDAK LENGKAP), pemohon hanya boleh melihat maklumat yang dimasukkan pada borang permohonan tanpa membuat sebarang pengemaskinian.
- Sila klik di sini ([Permohonan Pendaftaran Pelesenan Semula](#)) untuk membuat sebarang pengemaskinian.

Bayar

4. Klik pada butang " Bayar " untuk membuat pembayaran secara atas talian mengikut Jumlah Fi yang telah dinyatakan. Skrin bayaran atas talian akan dipaparkan seperti berikut. Untuk maklumat lanjut mengenai proses pembayaran secara atas talian sila rujuk **manual pengguna Syarikat > Hasil > Bayaran Atas Talian**.

MAKLUMAT PEMBAYARAN

Senarai Pembayaran Butir Pembayaran Rekod Transaksi

Senarai permohonan yang belum bayar





Bil	Tarikh Mohon	No. Permohonan	Jenis Permohonan	Status Bayaran	Amount (RM)
1	09/09/2016	OTKL0908201600025L	Permohonan Pelesenan Semula Pepasangan Pemandirian	BELUM BAYAR	2,200.00

1 / 1 (1) 40

Nota :

Jumlah fi yang dipaparkan terliakuk kepada kelulusan Suruhanjaya Tenaga. Suruhanjaya Tenaga berhak meminta jumlah fi yang baru sekiranya terdapat perbezaan fi.

Bayar

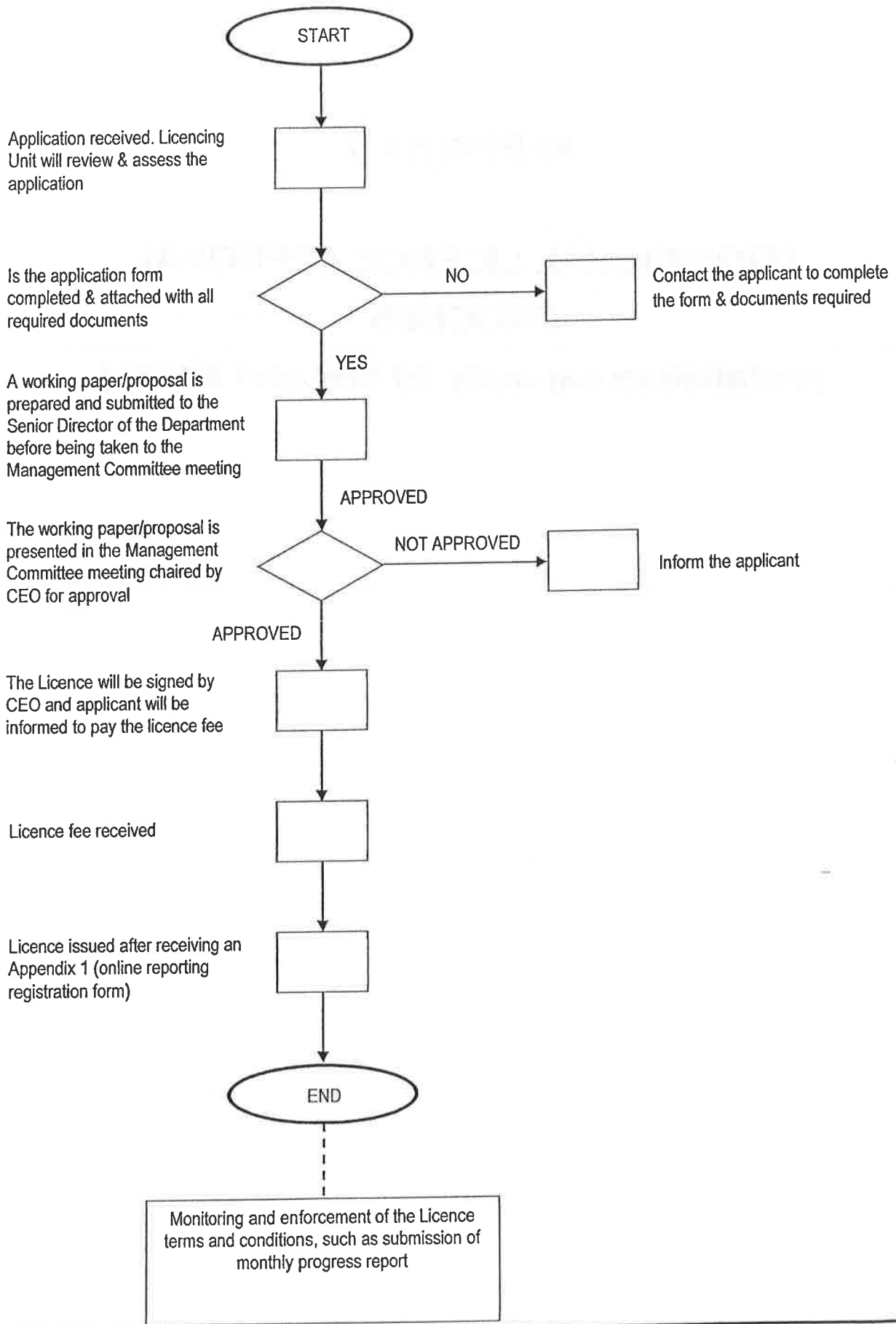
5. Klik pada ikon () KEMASKINI
- Borang permohonan akan dipaparkan.
 - Sekiranya status = DRAF / TIDAK LENGKAP, pemohon boleh membuat pengemaskinian kepada borang permohonan yang telah diisi sebelum ini sebelum dihantar ke ST.
 - Sekiranya status = PERMOHONAN BARU (atau status lain, selain dari DRAF / TIDAK LENGKAP), pemohon hanya boleh melihat maklumat yang dimasukkan pada borang permohonan tanpa membuat sebarang pengemaskinian.
6. Klik pada ikon () CETAK
- Permohonan yang telah dimasukkan akan dipaparkan untuk cetakan.
7. Klik pada ikon () SURAT AKUAN
- Surat Akuan Permohonan akan dipaparkan untuk cetakan dan tandatangan serta cop syarikat untuk dihantar ke Pejabat Kawasan Suruhanjaya Tenaga.
 - Sekiranya status = DRAF / TIDAK LENGKAP, Surat Akuan Permohonan tidak dapat dicetak sebelum permohonan dihantar.
 - Sekiranya status = PERMOHONAN BARU (atau status lain, dari DRAF / TIDAK LENGKAP), Surat Akuan Permohonan akan dipaparkan dan boleh dicetak.
8. Klik ikon () untuk hapus permohonan. Hanya permohonan yang status = DRAF sahaja yang boleh dihapuskan.

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APPENDIX 5

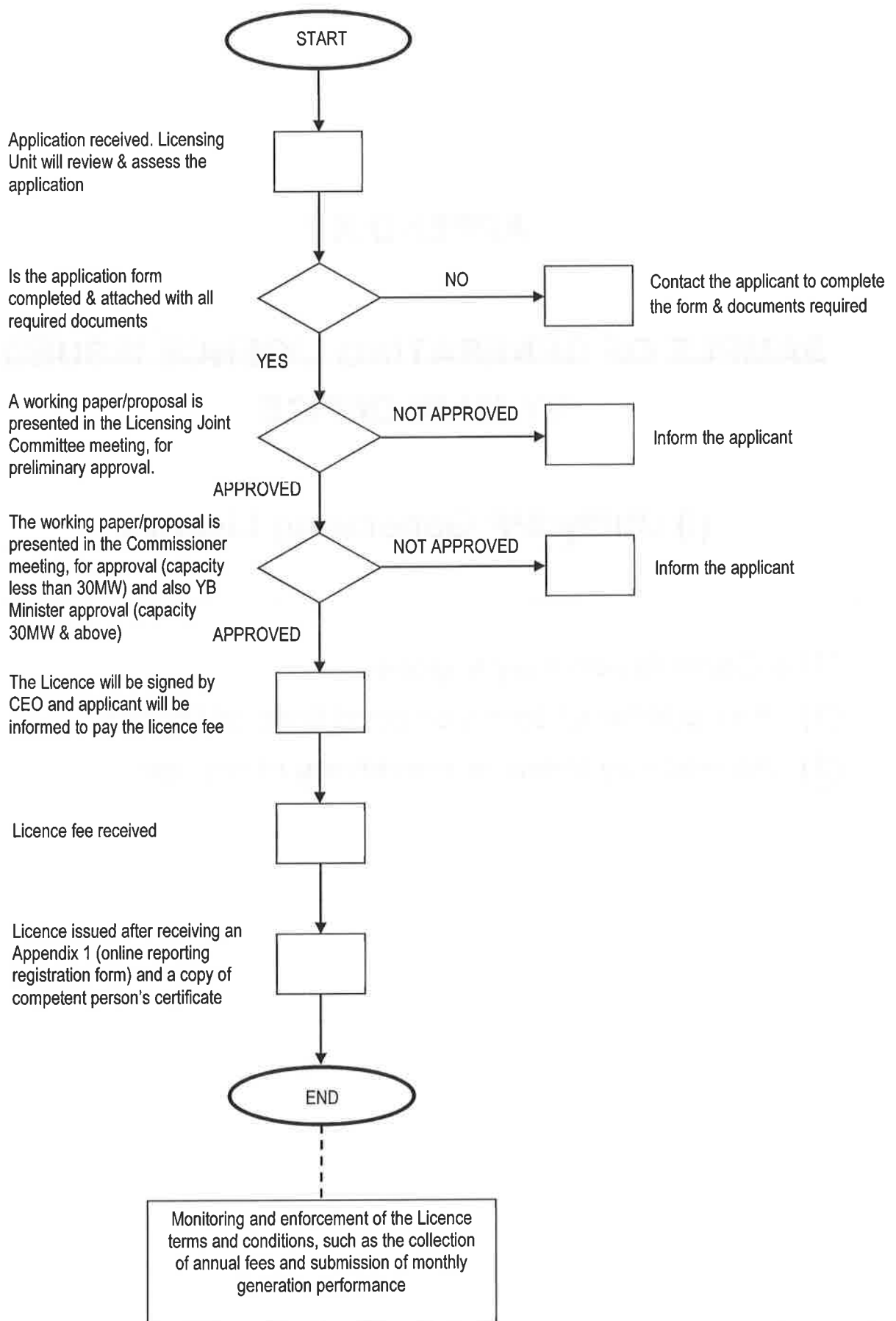
PROVISIONAL LICENCE APPROVAL PROCESS

(installation capacity less than 30 MW)



APPENDIX 6

PROVISIONAL LICENCE APPROVAL PROCESS (installation capacity 30 MW and above)



APPENDIX 7

SAMPLE OF GENERATING LICENCE ISSUED BY MAIN OFFICE

(i) Utility/IPP Generating Licence

*The Commission may impose:

- (1) Any additional terms or conditions of licence
- (2) Amend any terms or conditions of licence

ELECTRICITY SUPPLY ACT 1990
LICENCE FOR GENERATION AND SUPPLY OF ELECTRICITY
PART I - GRANT OF LICENCE

1. The Energy Commission with the approval of the Minister of Energy, Green Technology and Water, in exercise of the powers conferred on him by section 9 of the Electricity Supply Act, 1990 (hereinafter referred to as "the Act") and of all other powers exercisable by him for that purpose, hereby grants to
a company incorporated under the Companies Act 1965, having its registered office at
..... (hereinafter referred to as "the Licencee"),
a licence for the period specified in paragraph 4, subject to the terms in this Part and Conditions set out in Part III of this Licence (hereinafter referred to as "the Conditions"), the Act and to any Regulations made or which may be made under the Act and to revocation as provided for in Part IV, to use, work or operate or permit to be used, worked or operated any generation installation and its associated facilities, any transmission and/or interconnection facilities, to be constructed by or for the Licencee at
..... (hereinafter referred to as the "Power Station"), and to supply energy to (e.g. **Tenaga Nasional Berhad**), a public listed company incorporated under the Companies Act, 1965, having its registered office at
..... (herein after referred to as "TNB") and/or to any other person approved by the Energy Commission.
2. The Licence may extend to authorising the Licencee to do all or any of the acts specified hereinafter, particularly, to lay, place, carry on or maintain transmission lines, cables or wires related to power station, in accordance with the provisions of the Act.
3. The granting of this Licence does not remove any obligation of the Licencee to comply with any provision of any other written law or to obtain any other licence that is required under any other written law for the time being in force.
4. This Licence shall come into force from the date of issuance of the Licence, and shall expire years after the completion date referred to in paragraph 2 of Condition 5 but, without prejudice to Part IV of this Licence, shall be subject to revocation.

(DATUK IR AHMAD FAUZI BIN HASAN)
Chief Executive Officer
Energy Commission

Commencement Date:

PART II - INTERPRETATION AND CONSTRUCTION

1. Unless the contrary intention appears, words and expressions used in the Conditions shall be construed as if they were an Act of Parliament and the Interpretation Acts 1948 and 1967 applied to them, and references to an enactment shall include any statutory modification or re-enactment thereof after the date when this Licence comes into force.
2. Nothing in this Licence shall in any way affect the powers of the Energy Commission under the Act and any purported detraction or derogation of such powers shall have no force or effect.
3. Any word or expression defined for the purpose of Part I of the Act shall, unless the contrary intention appears, have the same meaning when used in the Conditions.
4. Where a time limit is stipulated, the Licencee shall comply with the obligation within the time limit and that obligation shall be deemed to continue after that time limit if the Licencee fails to comply with that obligation within that time limit. However, the Energy Commission may, after an application by the Licencee, extend the time limit as he deems fit.
5. Any reference to a numbered Condition is a reference to the Condition bearing that number in this Licence and any reference to a numbered paragraph is a reference to the paragraph bearing that number in the Condition in which the reference occurs.
6. In construing the Conditions, the heading or title of any Condition shall be disregarded.
7. Any reference to "person" in this Licence, shall be deemed to include natural and legal person.
8. Words and expressions importing the masculine gender include females.
9. Words and expressions in the singular include the plural, and words and expressions in the plural include the singular.
10. In this Licence, unless the context otherwise requires:

"Act"	means the Electricity Supply Act, 1990 [Act 447], as it may from time to time be amended, extended, modified or re-enacted;
"affiliate"	in relation to the Licencee means any holding company or subsidiary of the Licencee or any subsidiary of a holding company of the Licencee, related to the Licencee's core business of generation and supply of electricity within the meaning of the Companies Act 1965;
"Commission"	means the Energy Commission established under the Energy Commission Act 2001;
"Director General of Environmental"	means the Director General of Environmental appointed under section 3 of the Environmental Quality Act 1974, and includes his Deputy or officer authorised by him;
"disposal"	includes any sale, gift, lease, licence, loan, mortgage, charge or the grant of any encumbrance or the permitting of any encumbrance to subsist or any other disposition to a third party, including the affiliate;
"Financial Year"	bears the meaning given in paragraph 1 of Condition 18;
"Grid System"	means the transmission grid system in Peninsular Malaysia operated by the Grid System Operator referred to in the Malaysian Grid Code;
"Grid System Operator"	means any person or a unit, department or division forming part of TNB who is authorized by the Commission or as provided for under the Act responsible for operational planning, dispatch and control of the Grid System and any other function as may be prescribed;
"Minister"	means the Minister for the time being charged with the responsibility for matters relating to the generation, transmission, distribution and supply of electricity;
"Power Purchase Agreement"	means an agreement made or to be made between the Licencee and TNB for the purpose of supplying and selling electricity to TNB,

	as the same may be amended, modified or novated from time to time;
'Power Station"	means combined cycle power generating station, including its associated facilities;
"Subsidiary Legislation"	means the Electricity Regulations 1994 and any Regulations, rule, order, notification, by law or other instrument made or which may be made under the Act, as it may from time to time be amended, extended, modified or re-enacted;
"related undertaking"	means any undertaking in which the Licencee has participating interest;
"relevant assets"	means any asset for the time being forming part of the Licencee's generation business, and any beneficial interest in land upon which the foregoing is situated;
"Single Buyer"	means any person or a unit, department or division forming part of TNB who is authorized by the Commission or as provided for under the Act responsible for the management of procurement of electricity and related services which includes planning, scheduling, procuring and settlement, and any function as may be prescribed;
"TNB"	means Tenaga Nasional Berhad., a limited company incorporated under the Companies Act, 1965, having its registered office at Pejabat Setiausaha Syarikat, Tingkat 2, Ibu Pejabat Tenaga Nasional Berhad, No. 129, Jalan Bangsar, 59200 Kuala Lumpur including its successors in-title or permitted assigns;

PART III – CONDITIONS OF THE LICENCE

CONDITION 1 : OBLIGATIONS OF THE LICENCEE

1. The Licencee is to finance, construct, complete, own, operate and maintain the gas fired combined cycle Power Station with a maximum licenced capacity of MW at
.....and any transmission and / or interconnection facilities as shown in the Location/ Site Plan attached as Annex A, in order to supply electricity to or for the use of TNB, provided that the Commission may, with the approval of the Minister in writing, permit the Licencee to supply electricity to any other person.
2. The Licencee shall take all necessary measures to ensure the safety, reliability, availability and efficiency of the Power Station are maintained throughout the period of this Licence in accordance with prudent utility practices and in conformity with the Conditions of the Licence, the Act and the Regulations made thereunder or such other standards or requirements determined by the Commission.

CONDITION 2 : NOTIFICATION OF THE ROUTE OF THE TRANSMISSION AND/ OR INTERCONNECTION FACILITIES

1. The Licencee shall notify the Commission the route of the interconnection facilities if any subsequent modification or extension is required to be constructed by the Licencee in order to supply electricity.
2. The Licencee shall, within three (3) months after this Licence enters into force, submit to the Commission a map and schematic diagram showing the route and the main components of the subsequent modification or extension to transmission and/or interconnection facilities.

CONDITION 3 : QUALITY ASSURANCE, INSPECTION AND PERFORMANCE TESTS FOR INSTALLATION

With reasonable notice, the Commission may conduct or cause to be conducted by any competent independent engineer authorized by the Commission any quality assurance inspections and performance tests on any installation if it deemed just, fit and necessary. All costs,

expenses and incidental incurred by the Commission or any other person appointed or authorized by the Commission for the said inspections and tests shall be borne by the Licencee.

CONDITION 4 : CONSTRUCTION REQUIREMENTS AND GENERAL SUPERVISION FOR NEW INSTALLATIONS

1. All designs, plans, specifications and details for modification of the installation shall be prepared, approved or certified by suitably qualified engineer(s) registered as professional engineer(s) with Board of Engineers, Malaysia (hereinafter referred to as "the Plans and Specifications").
2. The Licencee, its contractors, subcontractors, servants, agents or workmen shall at all times comply with such written direction given by the Commission or any person duly authorized by the Commission pertaining to any matters concerning the construction, installation, testing, commissioning, operation and maintenance, safety and efficiency of the installations.
3. The Licencee shall set up its own quality control and quality assurance team consisting of suitably qualified personnel to ensure that any modification works which may include installation, construction, testing and commissioning of the installation, the material used and the equipment are in accordance with prudent engineering practices and of quality and standard as stipulated in the approved Plans and Specifications and in compliance with the relevant laws.

CONDITION 5 : INSTALLATION CAPACITY, BUILD UP PERIOD, COMMISSIONING AND DATE OF COMPLETION

1. The Licencee shall ensure that the Power Station shall have a nominal capacity of MW, which shall be the maximum licenced capacity of the installation.
2. The Power Station and the associated facilities shall be completed, successfully commissioned and ready to supply electricity not later than or within such extended period as the Commission may allow in writing in order to supply electricity.

3. A generating unit shall be regarded as completed and ready to supply electricity upon the Licencee certifies that the same has been duly constructed, installed, set, calibrated and tested in accordance with the Plans and Specifications referred to in Condition 4 above and with the provisions of the other Conditions of this Licence, and in compliance with all statutory requirements.
4. The Licencee shall ensure that the dependable capacity and availability of energy under the Power Purchase Agreement is met at all times and that the operations of the Power Station are to continue uninterrupted notwithstanding arbitration, contractual or industrial dispute which the Licencee may be engaged in, unless it is prevented from doing so by complying with regulatory requirements or the malfunction or failure of any equipment or installation beyond his control, or as result of fire, flood, drought, landslide, earthquake, explosion, accident, industrial disturbance on national level, emergency, riot, civil disturbance, war, or any other similar event not within the control of the Licencee.
5. If the Power Station is unable to fulfil its obligations under paragraph 1 above permanently, the Licencee shall take all necessary measures to restore performance of the Power Station to the required level. Any modification, refurbishment or renewal of the Power Station and the associated facilities shall be notified to the Commission within a reasonable time of not less than 3 months in advance, who upon consultation with the Grid System Operator, may allow in writing for such modification, refurbishment or renewal works.

CONDITION 6 : VOLTAGE, FREQUENCY AND QUALITY OF SUPPLY

The voltage, frequency and quality of electricity supplied shall be kept within a range specified in the Regulations and Grid Code or as determined by the Commission.

CONDITION 7 : ASSET MANAGEMENT

1. For its licenced business activities, the Licencee shall establish a five years implementation plan after the Commercial Operation Date, or such timeline to be agreed with the Commission, to develop an asset management system which

organizes around true lifecycle asset management processes in order to ensure effective asset performance management and continual improvement throughout the asset life.

2. For the purpose of paragraph 1 above, reference may be made to appropriate asset management standard, which outline systematic and coordinated activities and practices through which an organization optimally and sustainably manages its assets and asset systems, their associated performance, risks and expenditures over their life cycles for the purpose of achieving its organizational strategic plan.
3. The Licencee shall submit to the Commission:
 - i) its implementation plan within 6 months after Commercial Operation Date; and
 - ii) subsequently, submit an annual asset management performance report based on the implementation plan outlining the activities in the previous year.
4. Once the asset management system is already in place and in compliance to asset management standard or practices as agreed with the Commission, the Licencee shall submit to the Commission an annual asset performance report throughout the asset life.

CONDITION 8 : COMPLIANCE WITH SINGLE BUYER RULES, MALAYSIA GRID CODE AND INSTRUCTIONS OF GRID SYSTEM OPERATOR

1. The Licencee shall comply with the provisions of the Single Buyer Rules and Grid Code as it may be amended, extended or modified by the Commission and in accordance with such directive and ruling made from time to time by the Commission.
2. The Licencee shall at all times comply with the instructions, directives and guidelines of the Grid System Operator referred to in the Grid Code to ensure the safety, stability and reliability of the grid system.

CONDITION 9 : COMPLIANCE WITH ENVIRONMENTAL PROTECTION MEASURES

1. The Licencee shall throughout the period of this Licence, observe and comply with the provisions of any written law for the time being in force in relation to environmental protection and to mitigating

any adverse impact which the Power Station may have on the environment.

2. The Licencee shall comply with and implement all measures, conditions and requirements imposed by the Director General of Environmental and/or other relevant authorities, in accordance to the approved environmental impact assessment report (EIA Report), for the construction and operation of the Power Station, and for the protection of the environment throughout the period of this Licence.
3. The Licencee shall submit to the Director General of Environmental and/or other relevant authorities from time to time or on such periodical intervals as may be directed by him and/or other relevant authorities, a report on all the environmental requirement protection measures and requirements undertaken by the Licencee.

CONDITION 10 : OBLIGATION ON GOVERNMENT POLICIES AND CONTRIBUTION TO FUND

1. The Licencee shall, in the general conduct of its business and the operation of the Power Station, comply with the policies of the Government on electricity production or usage and distribution thereto.
2. The Licencee shall at all times take cognisance of the Government's policies in particular Bumiputera equity participation, the transfer of technology and expertise to Malaysian, the employment of local personnel, contractors and services and the use of local materials and products.
3. The Licencee shall comply with the Government requirement for any player in the electricity supply industry to contribute to any fund established for the electricity supply industry.
4. The Licencee shall inform the Commission at regular intervals on the status of paragraph 2 and 3 above.

CONDITION 11 : STEP IN RIGHT

Notwithstanding any contractual obligations of the Licencee, in the event this Licence is suspended or revoked upon breach of any of the Conditions

of this Licence, the Commission may step in, solely for the purpose of exercising its duties and functions as prescribed under the Act and the Regulations made thereunder.

CONDITION 12 : RIGHT OF ENTRY

The Commission, or any other person duly authorised by the Commission shall be entitled to enter any premises or land in or upon which the Power Station is installed or in the course of being installed and may examine, test, survey or take measurement of the Power Station and inspect any record and document kept by the Licencee pertaining thereto, to ensure compliance with the Conditions of this Licence.

CONDITION 13 : REGULATORY COMPLIANCE AUDIT

1. As and when directed by the Commission, the Licencee shall carry out;
 - (a) at intervals of not more than four years or otherwise as determined by the Commission, a management and engineering audit to ensure that engineering and management practices of the Licencee will enable them to fulfill all of their Licence obligations; and
 - (b) a regulatory audit to ascertain the extent of compliance with:
 - i. specific performance standard established by the Commission;
 - ii. regulatory implementation guidelines; and
 - iii. safety and health management, pursuant to Condition 22.
2. The Licencee shall submit to the Commission:
 - (a) the terms of reference of the audit and any subsequent revision, for Commission concurrence; and
 - (b) the list of names of the consultants who will carry out the audit for Commission concurrence and shall consider any representation made by the Commission regarding the selection of the consultants.

3. Notwithstanding paragraph 1 above, the Commission may appoint a consultant of its choice to conduct the audit, whereby,
 - (a) the cost of such audit and consultant shall be borne by the Licencee;
 - (b) the appointed consultant shall report to the Commission during the audit; and
 - (c) the Licencee shall provide the necessary cooperation and assistance required for such audit.
4. The Licencee shall ensure that the information provided is accurate and credible with respect to the Licencee compliance with their Licence conditions and the information is of a quality which is suitable for regulatory purposes including public reporting, comparative analysis and reporting and setting of future performance standard.

CONDITION 14 : PERFORMANCE MONITORING

1. The Licencee shall submit to the Commission on monthly interval, information on the maximum daily load, electricity sold per month, overall plant efficiency and performance, quantity and type of fuel used per month, accidents, breakdown of major plants or equipment, forced and mandatory outages and schedule of maintenance and overhaul programme.
2. Notwithstanding paragraph 1 above, the Licencee shall furnish to the Commission in such manner and at such times as the Commission may reasonable require, such documents, accounts, estimates, returns, reports and other information as the Commission may consider necessary in the light of the Conditions or as the Commission may require for the purpose of performing the duties and functions assigned to the Commission under the Act or any Regulations made thereunder.
3. Without prejudice to paragraph 1 and 2 above, the Licencee shall submit to the Commission the following information:
 - (a) within three (3) months after this Licence enters into force, a copy of the Power Purchase Agreement, Gas Supply

Agreement and Land Lease Agreement (if any) and any subsequent amendment, modification, rectification or novation of the said agreement; and

- (b) within six (6) months after this Licence enters into force, details of financial arrangements and construction programmes of the Power Station and subsequently submission of reports at regular intervals on the status and progress of the said Power Station during its stages of construction.

CONDITION 15 : REQUIREMENT TO FURNISH INFORMATION

1. The Licencee shall procure and furnish to the Commission, in such form and at such time as the Commission may require, such information as the Commission may consider relevant in the light of the Conditions or as it may require for the purpose of performing the functions assigned to it under the Act or the Regulations made thereunder.
2. The power of the Commission to call for information under paragraph 1 is without prejudice to the power of the Commission to call for the information under or pursuant to any other Condition of this Licence or under or pursuant to the Act or the Regulations.
3. In this Condition, "information" means oral or written and shall include, without limitation, any books, documents, records, accounts (statutory or otherwise), estimates, returns or reports of any description (whether or not in electronic or any other format, or prepared specifically at the request of the Commission) requested by the Commission and any explanations (oral or written) in relation to such information as may be requested by the Commission.
4. The Commission may publish any information provided to the Commission under this Licence. In exercising its discretion under this Condition, the Commission shall have regard to the need to protect confidential information.

CONDITION 16 : BUSINESS UNDERTAKINGS

1. The Licencee shall ensure that all the times during the period of this Licence, its sole business shall be the generation and supply of electricity.
2. The Licencee shall not undertake any other business without the prior written approval of the Minister, provided such approval shall not be unreasonably refused.
3. The authorised and paid up capital of the Licencee shall be determined by its shareholders and approved by the Commission and no alteration thereto shall be made without prior notification in writing to the Commission.

CONDITION 17 : REFINANCING ACTIVITIES

1. The Licencee shall notify the Commission as soon as practicable of its intention to raise any new debt or refinance its existing debt, for the purpose of continuing the operation of the power plant.
2. The Licencee shall not carry out such financing or refinancing activities without the prior written approval of the Commission, provided such approval shall not be unreasonably refused, if the Commission is satisfied that:
 - (a) the financing or refinancing is provided for under the Power Purchase Agreement or for the purpose of reducing the cost of financing as agreed in the Power Purchase Agreement;
 - (b) the financing or refinancing activities will not in any way jeopardise the ability of the Licencee financially to continue fulfilling its obligations under this Licence.

CONDITION 18 : SEPARATE ACCOUNT FOR BUSINESS UNDER THE LICENCE

1. The Financial Year of the Licencee shall run from such date as declare by the Licencee to be in line with its audited annual account.

2. The Licencee shall keep or cause to be kept such accounting records in respect of its business under the Licence required under the Companies Act 1965, so that the revenues, costs, assets, liabilities and reserves and provisions of, or reasonably attributable to the business under the Licence are separately identifiable in the books of the Licencee from those of other business in which the Licencee may be engaged.
3. The Licencee shall prepare in respect of each Financial Year, accounting statements comprising of a profit and loss account, a balance sheet and a statement of source and application of funds in respect of the business under the Licence. Such account shall be audited by an approved Auditor appointed by the Licencee, who shall prepare a report stating their opinion on those account and accounting statements.
4. The Licencee shall deliver to the Commission a copy of the account referred to in paragraphs 3 above as soon as reasonably practicable, and in any event not later than three months after the end of each Financial Year.
5. Notwithstanding its audited annual account as mentioned in paragraph 3 above, the Licencee shall, whenever notified by the Commission, in its internal accounting, keep or cause to be kept details of its Business which when requested from time to time by the Commission, shall be delivered to the Commission in the form and within reasonable time specified by the Commission. Such accounting details may be in accordance with:
 - (a) regulatory accounting guideline as may be issued by the Commission from time to time; and
 - (b) any directions as are reasonable and appropriate for the purposes of this Condition as the Commission may, from time to time, notify to the Licencee.

CONDITION 19 : RESTRICTION OF CHANGES IN SHAREHOLDINGS

1. As at the date of issuance of this Licence, the shareholders and the shareholding structure of the Licencee shall be in accordance to declaration by the Licencee as per the submission for the issuance of Licence.

2. The Licencee hereby undertakes to the Government that the present shareholders and shareholding structure as set out in paragraph 1 remain the same throughout the period of the licence. Any changes to the shareholders and the shareholding structure shall be subject to the prior written approval of the Minister.
3. Notwithstanding paragraph 2 and subject to the prior written approval of the Minister, and the approval of all relevant authorities, the Licencee may apply for its shares to be listed and quoted on the official list of the Kuala Lumpur Stock Exchange (KLSE).

CONDITION 20 : LICENCE IS NON TRANSFERABLE, NON-ASSIGNABLE, ETC

1. The Licencee shall not assign, transfer, sublet or otherwise dispose of its rights, duties, liabilities, obligations and privileges or part thereof under the terms and Conditions of this Licence except with the prior written approval of the Minister.
2. The Licence shall not be charged, pledged or otherwise encumbered without the prior written approval of the Minister.
3. The creation of any charge, mortgage, pledge, lien or other securities over the land used for the Licencee's installations is prohibited without express written consent of the Minister.
4. Any such approval or consent shall be subject to such terms and conditions as the Minister in his absolute discretion may impose.

CONDITION 21 : ACQUISITION AND DISPOSAL OF RELEVANT ASSETS

1. The Licencee shall notify the Commission not less than three (3) months prior written notice of its intention to acquire any relevant asset, dispose of or relinquish control over any relevant asset, with a value in excess of RM 50 million, together with such further information as the Commission may request, relating to such asset or the circumstances of such intended acquisition, disposal or relinquishment of control, including the acquisition and disposal procedures of the Licencee.

2. For purposes of paragraph 1 above, "relinquishment of control" includes the transfer of any operational control of the asset with or without a transfer of any legal or beneficial interests in the relevant asset.
3. The Licencee shall prepare and maintain a register of all relevant assets, and when requested shall provide to the Commission with such register.

CONIDTION 22 : SAFETY AND HEALTH MANAGEMENT

1. In carrying out its business activities, the Licencee shall establish a safety and health management system to ensure effective safety and health management and continual improvement of all reasonable measures to be taken by the Licencee to protect person and property from injury and damage that may be caused by the Licencee's installations, and practices or operation of the Licencee.
2. The Licencee shall submit annually to the Commission, a safety assessment and performance report focusing on, but not limited to the following:
 - (a) safety incidents during the previous financial year;
 - (b) remedial step or measures taken to avoid similar incidents;
 - (c) safety and health management plan in place;
 - (d) competency of personnel;
 - (e) safety of installations and mitigation or remedial plan; and
 - (f) safety related issues that need to be addressed.

CONIDTION 23 : NO RIGHT TO EXTENSION

Nothing in this Licence shall be deemed to entitle the Licencee, as of right to an extension of the period of this Licence or to renewal thereof, provided that the Commission in consultation with the Minister may extend the period of this Licence upon such terms and conditions as the Commission may deem fit to impose.

CONIDTION 24 : INSURANCE

The Licencee shall, throughout the period of this Licence, reasonably insure or keep insured the Power Station against any possible risks and to pay the premiums necessary for that purpose and whenever required by Commission, to produce on demand a true copy of the policy of insurance and requisite evidence of payment of the premiums and other fees and duties for the said policy.

CONIDTION 25 : PAYMENT OF FEES

The Licencee shall, at the times stated hereunder, pay to the Commission the amount of fees as provided for in the Regulations currently in force:

- (a) on the issuance of the Licence; and
- (b) thereafter, an annual fee when due.

CONIDTION 26 : CHANGE IN LAW AND REVIEW OF LICENCE

1. The Commission, with the approval of the Minister may add to, vary or revoke any of terms and Conditions in this Licence whenever it appears necessary or expedient for the purpose of extending Part I of the Licence or meeting the technical, safety and efficiency requirements applied generally to the electricity supply industry in Malaysia.
2. If a new Act or amendment to the Act is enacted, to the extent that necessitate redefining, reorganisation or changes to the business activities of the Licencee specified in the Licence, or changes to the structure of the electricity supply industry, the Licence may be reviewed, amended, modified or reissued to reflect such redefining, reorganisation or changes.

CONIDTION 27 : SUSPENSION OF LICENCE

1. The Commission may, upon service of written notice to the Licencee, suspend this Licence upon the occurrence of the following events:
 - [a] if the Licencee has failed to comply with or is in breach of any Condition of this Licence, and has failed or neglected to remedy the same after the Licencee has been requested to do so by the Commission; or
 - [b] if the Licencee has failed to comply with any directive or order or notice given in writing pursuant to Conditions of this Licence by the Commission.
2. The period of any suspension imposed shall be determined by the Commission, provided always that where the suspension is as a result of the breach of any Conditions of this Licence, the suspension shall cease as soon as the breach has been remedied by the Licencee and the Commission shall certify the same.
3. If the breach has not been remedied within the stipulated period, the Commission may, with the approval of the Minister, suspend the Licence and exercise its duties and functions pursuant to Condition 11.

PART IV – REVOCATION

1. Notwithstanding paragraph 4 of Part I of this Licence, if the Licencee constitute any of the following circumstances:
 - (a) upon breach of any of the Conditions imposed in this Licence;
 - (b) if the Licencee ceases to work or operate and maintain the installation;
 - (c) if the Power Purchase Agreement is revoked and terminated by TNB;
 - (d) if any amount payable under Condition 25 is unpaid after it has become due whether notice in writing has been given to the Licencee or not;
 - (e) if a receiver or liquidator has been appointed for the Licencee; and

- (f) if any action was taken for voluntary winding up or dissolution of the Licencee's company or any order pursuant to the Companies Act 1965 is made for the compulsory winding up the Licencee company.
2. The Commission may allow the Licencee to remedy the non-compliance within 90 days from the date the Licencee received the notice of non-compliance from the Commission. If the non-compliance still persists or cannot be remedied within the time stipulated above, the Commission shall have the full right to revoke the Licence by giving 30 days notice of revocation in writing to the Licencee at its registered office.
 3. Where this Licence is revoked pursuant to paragraph 1 above, the Licencee shall not be entitled to any payment of compensation whatsoever from the Government or the Commission for any loss or damage that may have occurred incurred or suffered by him.
 4. The determination of this Licence under this Part shall not prejudice or affect the right of the Government or the Commission to recover any sum due there under of any breach, non-performance of any of the Conditions on the part of the Licencee therein contained.
 5. Any notice which is required to be given to the Licencee under paragraph 1 above, shall be deemed to have been given if sent by hand or pre-paid post or by facsimile to the Licencee's registered address as lodged in the Registry of Companies.

LICENCEE'S AREA OF SUPPLY

The Licencee's area of supply shall comprise the area within the boundary of
.....
..... as shown in 'Attachment 1':

APPENDIX 8

SAMPLE OF GENERATING LICENCE ISSUED BY MAIN OFFICE

(ii) RE Generating Licence

*The Commission may impose:

- (1) Any additional terms or conditions of licence
- (2) Amend any terms or conditions of licence

ELECTRICITY SUPPLY ACT 1990
LICENCE FOR GENERATION AND SUPPLY OF ELECTRICITY

PART I - TERMS OF LICENCE

1. The Energy Commission, with the approval of the Minister of Energy, Green Technology and Water, in exercise of the powers conferred by section 9 of the Electricity Supply Act, 1990 (hereinafter referred to as "the Act") and of all other powers exercisable by it for that purpose, hereby grants to
..... a company incorporated under the Companies Act, 1965, having its registered office at
..... (hereinafter referred to as "the Licencee"), a licence for the period specified in paragraph 2, subject to the terms in this Part and Conditions set out in Part II of this Licence (hereinafter referred to as "the Conditions"), the Act and to any Regulations made or which may be made under the Act and to revocation as provided for in paragraph 2 and in Part III, to use, work or operate any electrical installation to be constructed by or for the Licencee at
....., more particularly shown in the Location / Site Plan attached as Annex A (hereinafter referred to as the "generating facility"), and to supply electricity to and for the use of (e.g. Tenaga Nasional Berhad), a company incorporated under the Companies Act 1965, having its registered office at
..... (hereinafter referred to as "TNB") and/or to any other person permitted by the Energy Commission with the approval of the Minister in writing (hereinafter referred to as "Buyer").

2. This Licence shall come into force from the date of issue and shall expire
..... years thereafter, but without prejudice to Part II shall be subject to revocation as provided for in Part III.

(DATUK IR AHMAD FAUZI BIN HASAN)
Chief Executive Officer
Energy Commission

Commencement Date :

PART II - THE CONDITIONS

CONDITION 1: INTERPRETATION AND CONSTRUCTION

1. Unless the contrary intention appears, words and expressions used in the Conditions shall be construed as if they were an Act of Parliament, and references to an enactment shall include any statutory modification or re-enactment thereof after the date when this Licence comes into force.
2. Nothing in this Licence shall in any way affect the powers of the Energy Commission under the Act and any purported detracting or derogation of such powers shall have no force or effect.
3. Any word or expression defined for the purpose of Part I of the Act shall, unless the contrary intention appears, have the same meaning when used in the Conditions and Part III.
4. Where a time limit is stipulated, the Licencee shall comply with the obligation within the time limit and that obligation shall be deemed to continue after that time limit if the Licencee fails to comply with that obligation within that time limit. However, the Energy Commission may, after an application by the Licencee, extend the time limit as he deems fit.
5. Any reference to a numbered Condition is a reference to the Condition bearing that number in this Licence and any reference to a numbered paragraph is a reference to the paragraph bearing that number in the Condition in which the reference occurs.
6. In construing the Conditions, the heading or title of any Condition shall be disregarded.
7. Any reference to "person" in this Licence, shall be deemed to include natural and legal person.

8. In the Conditions and Part III of this Licence unless the context otherwise requires:

"Act"	means the Electricity Supply Act 1990, as it may from time to time be amended, extended, modified or re-enacted;
"affiliate"	in relation to the Licencee means any holding company or subsidiary of the Licencee or any subsidiary of a holding company of the Licencee, related to the Licencee's core business of generation and supply of electricity within the meaning of the Companies Act 1965;
"auditors"	means the Licencee's auditors, for the time being holding office in accordance with the requirements of the Companies Act 1965;
"Buyer"	means TNB or any other person permitted by the Commission with the approval of the Minister in writing for the Licencee to sell or supply energy.
"Commission"	means the Energy Commission established under the Energy Commission Act 2001;
"Director General of Environmental Quality"	means the Director General of Environmental Quality appointed under Section 3 of the Environmental Quality Act 1974 and includes his Deputy or officer authorised by him;
"disposal"	includes any sale, gift, lease, licence, loan, mortgage, charge or the grant of any encumbrance or the permitting of any encumbrance to subsist or

any other disposition to a third party, including the affiliate;

"distribution code" means any code or similar Regulations made under the Act relating to the planning, design operation and maintenance of an electricity distribution system in Malaysia, as the same may be amended from time to time;

"Financial Year" bears the meaning given in paragraph 1 of Condition 15;

"generating facility" means an installation producing electricity;

"Renewable Energy Power Purchase Agreement" means a renewable energy power purchase agreement made or to be made between the Licencee and Distribution Licencee as the same may be amended, modified or notated from time to time;

"Regulations" means the Electricity Regulations 1994 and any Regulations made or which may be made under the Act, as it may from time to time be amended, extended, modified or re-enacted;

"relevant assets" means any asset for the time being forming part of the Licencee's generation business and any beneficial interest in land upon which the foregoing is situated;

"renewable energy sources" means energy sources which is not depleted when used and includes energy obtained from energy sources such as biomass, hydro power, solar power, biogas or wind power;

“Renewable
Energy Sources
Supply
Agreement”

means the renewable energy sources supply agreement made or to be made between the Licencee and the relevant supplier for the supply of renewable energy sources to the Licencee for the operation of the generating facility as the same may be amended, modified or novated from time to time;

CONDITION 2: OBLIGATIONS OF THE LICENCEE

1. The Licencee is to finance, construct, complete, own, operate and maintain a generating facility using renewable energy sources as fuel with nominal installation capacity of MW at and any distribution and/or interconnection facilities as shown in the Location / Site Plan as Annex A, in order to supply electricity to or for the use of the Buyer.
2. The Licencee shall not, at any time supply electricity to any person other than TNB provided that the Commission may with the approval of the Minister in writing, permit the Licencee to distribute and supply electricity to such person.

CONDITION 3: NOTIFICATION OF THE ROUTE OF THE DISTRIBUTION AND/OR INTERCONNECTION SYSTEM

1. The Licencee shall notify the Commission the route of the distribution and/or interconnection system, including any subsequent modification or extension, required to be constructed by the Licencee in order to supply electricity to the Buyer.
2. The Licencee shall, within three (3) months after this Licence enters into force, submit to the Commission and the relevant authorities, a map and schematic diagram showing the route and the main components of the distribution and/or interconnection system.

**CONDITION 4: CONSTRUCTION, SUPERVISION, QUALITY ASSURANCE
INSPECTION AND PERFORMANCE TESTS**

1. All designs, plans, drawings and specifications shall be approved by suitably qualified and experienced engineer(s) registered as Professional Engineer(s) with the Board of Engineers, Malaysia (hereinafter referred to as “the plan and specification”).
2. No substantial amendment and modification shall be made to the plan and specification unless such amendment and modification shall have been approved by the said engineer(s) in paragraph 1.
3. A certified copy of the designs, plans and specifications including any subsequent approved amendments and modifications, shall be submitted to the Commission within one (1) month upon request.
4. The construction, installation, testing and commissioning works shall be supervised and approved by suitably qualified and experienced engineer(s) registered as Professional Engineer(s) with the Board of Engineers, Malaysia and shall comply with:
 - (a) the plan and specification as mentioned in paragraph 1 and including any subsequent approved amendments and modifications;
 - (b) Malaysian Standards or any acceptable international standard and prudent utility practices;
 - (c) the requirements and measures for environmental protection and mitigation of adverse environmental impact (if any) imposed by the Director General of Environmental Quality; and
 - (d) such other requirements imposed by any other written laws relating to the construction and installation of the generating facility.

5. The Licencee, its contractors, subcontractors, servants, agent or workmen shall at all times comply with such direction given by the Commission or any person duly authorised by him pertaining to any matters concerning the construction, installation, testing, commissioning, operation and maintenance, safety and efficiency of the installations.
6. The Licencee shall set up its own quality control and quality assurance team consisting of suitably qualified personnel to ensure that the design, the materials used, the equipment and the plants installed, the technology, methods and procedures adopted for fabrication, installation, construction, testing and commissioning of the installation are in accordance to good engineering practices and of quality and standard as stipulated in the plan and specification.
7. The Licencee shall notify the Commission not later than thirty (30) days or such other period as may be required by the Commission before any major equipment, plant, system or structure such as generating unit, power transformer and switchgear, including materials used for the fabrication and construction, is ready for quality assurance inspection and performance tests.
8. The Commission may conduct or cause to be conducted any quality assurance inspection and performance tests as mentioned in paragraph 6 above if he deems necessary. All costs, expenses and incidental incurred by the Commission or any other person appointed or authorised by him for the said inspections and tests shall be borne by the Licencee.

CONDITION 5: INSTALLATION CAPACITY, BUILD-UP PERIOD, COMMISSIONING AND DATE OF COMPLETION

1. The Licencee shall ensure that the generating facility shall have a nominal installation capacity as mentioned in Condition 2.
2. The generating facility shall be completed and successfully commissioned not later than (FiT Commencement Date), or within such extended period as in the Feed-in Approval pursuant to Renewable Energy Act 2011.

3. Without prejudice to paragraph 2 above, the generating facility shall be regarded as completed and ready to supply electricity upon the Licencee certifies that the same has been duly constructed, installed, set, calibrated and tested in accordance with the plan and specification referred to in Condition 4 above and with the provisions of the other conditions of this Licence and in compliance with all statutory requirements and, if so required, that the same shall have passed all the inspections, tests and certification on compliance carried out or caused to be carried out by the Commission. All costs, expenses, fees and incidental incurred by the Commission for the said inspections, tests and certification shall be borne by the Licencee.
4. The Licencee shall notify the Commission in writing at least thirty (30) days prior to the date the inspections and tests as mentioned in paragraph 3 above can be carried out.
5. After successful commissioning of the generating facility, the Licencee shall submit to the Commission, within one (1) month upon request, a full report of the commissioning tests, detail of the settings of the major equipment and relays and a complete set of the built-up designs, plans and specifications of the installation, showing precisely the extent of the variation and divergence if any, from the plan and specification referred to in Condition 4 above.

**CONDITION 6 : STANDARD OF PERFORMANCE AND SYSTEM
SECURITY**

1. Without prejudice to the Renewable Energy Power Purchase Agreement, the Licencee shall maintain the capacity referred to in Condition 2 above to meet the capacity and energy demand of the Buyer approved under the Licence unless he is prevented from doing so by complying with regulatory requirements or the malfunction or failure of any plant, equipment or installation beyond his control, or as result of fire, flood, drought, landslide, earthquake, explosion, accident, industrial disturbance on national level,

emergency, riot, civil disturbance, war, or any other similar event not within the control of the Licencee.

2. The Licencee shall ensure that the operations of the generating facility is to continue uninterrupted notwithstanding arbitration, contractual or industrial dispute which the Licencee may be engaged in except where it is prevented from doing so in the circumstances mentioned in paragraph 1 above.

CONDITION 7: VOLTAGE, FREQUENCY AND QUALITY OF SUPPLY

The voltage, frequency and quality of electricity supplied shall be kept within a range specified in the Regulations and distribution code or as determined by the Commission.

CONDITION 8: OPERATION AND MAINTENANCE OF THE GENERATING FACILITY

1. The generating facility shall be operated and maintained by the Licencee throughout the period of this Licence, solely for the purpose of supplying electricity to TNB and/or any other person permitted by the Commission and approved by the Minister in writing.
2. The Licencee shall, throughout the period of this Licence, operate and maintain the generating facility to ensure that the safety, security, reliability, availability and efficiency of the installation are in accordance with prudent utility practices and in conformity with the Act and the Regulations made thereunder or such other standards or requirements determined by the Commission.

CONDITION 9: COMPLIANCE WITH DISTRIBUTION CODE AND INSTRUCTIONS OF THE DISTRIBUTION SYSTEM OPERATOR

1. In so far as it may affect the operation and performance of the distribution system, the Licencee shall :-

- (a) comply with the provisions of the distribution code as it may be amended, extended or modified by the Commission and in accordance with such directive and ruling made from time to time by the Commission; and
 - (b) comply, at all time, with the instructions, directives and guidelines of the person who operates the distribution system to ensure the safety, security and reliability of the distribution system.
2. Under emergency conditions of the distribution system, the Licencee shall provide every facility to assist in maintaining and/or restoring the safety, security and reliability of the distribution system.

CONDITION 10: COMPLIANCE WITH ENVIRONMENTAL PROTECTION MEASURES

1. The Licencee shall throughout the period of this Licence, observe and comply with the provisions of any written law for the time being in force in relation to environmental protection and to mitigate any adverse impact which the Power Station may have on the environment.
2. The Licencee shall comply with and implement all measures, conditions and requirements imposed by the Director General of Environmental Quality and/or other relevant authorities when approving the Licencee's environmental impact assessment report (EIA Report) for the construction and operation of the generating facility for protection of the environment throughout the period of this Licence.
3. The Licencee shall submit to the Director General of Environmental Quality and/or other relevant authorities from time to time or on such periodical intervals as may be directed by him, a report on all the environmental protection measures and requirements undertaken by the Licencee.

CONDITION 11: OBLIGATION ON ECONOMIC PURCHASE

1. The Licencee shall ensure that the purchase of renewable energy sources, supplies, equipment and services to be from the most economical sources available.
2. The Licencee shall at any time upon request by the Commission furnish a report containing details of:
 - (a) prices for the purchase of renewable energy sources, supplies, equipment and services referred to in paragraph 1; and
 - (b) factors justifying the prices offered by the Licencee in making available of such renewable energy sources, supplies, equipment and services to the Buyer or any other person.

CONDITION 12: OBLIGATION ON GOVERNMENT POLICIES

1. The Licencee shall, in the general conduct of its business and the operation of the generating facility, comply with the policies of the Government in the production, supply and use of electricity and in the promotion of competition in the electricity supply industry.
2. The Licencee shall at all times take cognisance of the Government's policies, the transfer of technology and expertise to Malaysian, the employment of local personnel, contractors and services and the use of local materials and products.

CONDITION 13: RIGHT OF ENTRY

The Commission, or any other person duly authorised by the Commission, shall be entitled to enter any premises or land in or upon which the generating facility is installed or in the course of being installed and may examine, test, survey or take measurement of the generating facility and inspect any record and document kept by the Licencee pertaining thereto, to ensure compliance with the Conditions of this Licence.

CONDITION 14: PROVISION OF INFORMATION TO THE COMMISSION

1. The Licencee shall submit to the Commission at monthly interval, information on the maximum daily load, energy sold per month, overall plant efficiency and performance, quantity of renewable energy sources used per month, accidents, breakdown of major plants or equipment, forced and mandatory outages and schedule of maintenance and overhaul programme.
2. Notwithstanding paragraph 1 above, the Licencee shall furnish to the Commission in such manner and at such times as the Commission may reasonably require, such documents, accounts, estimates, returns, reports and other information as the Commission may consider necessary in the light of the Conditions or as he may require for the purpose of performing the duties and functions assigned or transferred to him under the Act or any Regulations made thereunder.
3. The Licencee shall submit to the Commission the following informations:
 - (a) within three (3) months after this Licence enters into force, a copy of the Renewable Energy Power Purchase Agreement and Renewable Energy Sources Supply Agreement and any subsequent amendment, modification, rectification or novation of the said agreement;
 - (b) within three (3) months after this Licence enters into force, details of financial arrangements and construction programmes of the generating facility and any subsequent amendment, modification or rectification of the said agreement and programmes; and
 - (a) reports at regular intervals on the status and progress of the said generating facility during its stages of construction.

CONDITION 15: SEPARATE ACCOUNT FOR BUSINESS UNDER THE LICENCE

1. Within three (3) months after issuance of the Licence, the Licencee shall inform the Commission the commencement date of each Financial Year.
2. The Licencee shall keep or cause to be kept such accounting records in respect of its business under the Licence required under the Companies Act 1965 so that the revenues, costs, assets, liabilities and reserves are identifiable in the books of the Licencee.
3. The Licencee shall prepare in respect of its business under the Licence commencing on the 1st Financial Year and each subsequent Financial Year, an accounting statements comprising a profit and loss account, a balance sheet and statements of source and application of funds in respect of the business under the Licence.
4. The Licencee shall appoint approved auditors to audit its accounts and the auditors shall prepare a report stating whether in their opinion those statements have been properly prepared in accordance with this Condition and give a true and fair view of the revenues, costs, assets, liabilities, reserves and financial transactions reasonably attributable to the business under the Licence to which the statements relate.
5. The Licencee shall deliver to the Commission a copy of the account referred to in paragraphs 3 and 4 above as soon as reasonably practicable, upon request.

CONDITION 16: RESTRICTION OF CHANGES IN SHAREHOLDINGS

1. The shareholders and shareholding structure of the Licencee shall be in accordance to the particulars stated in FORM 24 – Return of Allotment of Shares, Companies Act, 1965 attached as Annex B.
2. The Licencee shall undertake to the Government that the present shareholders and shareholding structure as set out in paragraph 1 remain the same within a

period of two (2) years from the date of successful commissioning of the generating facility. Any changes to the shareholders and the shareholding structure shall be subject to the prior written approval of the Minister.

3. Notwithstanding paragraph 2 and subject to the prior written approval of the Minister, and the approval of all relevant authorities, the Licencee may apply for its shares to be listed and quoted on the official list of the Kuala Lumpur Stock Exchange (KLSE).

CONDITION 17: ACQUISITION AND DISPOSAL OF RELEVANT ASSETS

1. The Licencee shall give the Commission not less than two (2) months prior written notice of its intention to acquire or relinquish control over any asset with a value in excess of RM 10.0 million, relevant to the generating facility together with such further information as the Commission may request, relating to such asset or the circumstances of such intended acquisition, disposal or relinquishment of control.
2. For purposes of paragraph 1 above, "relinquishment of control" includes the transfer of any operational control of the asset with or without a transfer of any legal or beneficial interests in the relevant asset.
3. The Commission shall be furnished with details of the relevant assets, acquisition and disposal procedures of the Licencee.

CONDITION 18: LICENCE IS NON-TRANSFERABLE, NON-ASSIGNABLE ETC.

1. The creation of any charge, mortgages, pledges, lien or other securities over the land used for the generating facility is prohibited without express written consent of the Minister.
2. Any such approval or consent shall be subject to such terms and conditions as the Minister in his absolute discretion may impose.

CONDITION 19: NO RIGHT OF EXTENSION

Nothing in this Licence shall be deemed to entitle the Licencee, as of right to an extension of the term of this Licence or to renewal thereof, provided that the Commission in consultation with the Minister may extend the period of this Licence upon such terms and conditions as he may deem fit to impose.

CONDITION 20: INSURANCE

The Licencee shall, throughout the period of this Licence, reasonably insure or keep insured the generating facility against any possible risks and to pay the premiums necessary for that purpose and whenever required by Commission, to produce on demand a true copy of the policy of insurance and requisite evidence of payment of the premiums and other fees and duties for the said policy.

CONDITION 21: PAYMENT OF FEES

The Licencee shall, at the times stated hereunder, pay to the Commission the amount of fees as provided for in the Regulations currently in force:

- (a) on the issuance of the Licence; and
- (b) thereafter, an annual fee when due.

CONDITION 22: COMPLIANCE WITH LAWS

1. The Licencee shall ensure that it complies at all times with the provision of the applicable laws of Malaysia in particular with the provision of the Act and Regulations.
2. The breach of any law, including the breach of any provision of the Act or any subsidiary legislation made thereunder shall be deemed to be a breach of the terms and conditions of the Licence.

3. The Licencee shall apply for and obtain all necessary licence, permit or approval that is required under any other written law for the time being in force for the implementation, operation and maintenance of the generating facility or any part thereof.

CONDITION 23: REVIEW

The Commission, with the approval of the Minister may add to, vary or revoke any of the terms and Conditions in this Licence whenever it appears necessary or expedient for the purpose of extending Part I of the Licence or meeting the technical, safety and efficiency requirements applied generally to the electricity supply industry in Malaysia.

CONDITION 24: SUSPENSION OF LICENCE

1. The Commission may, upon service of written notice to the Licencee, suspend this Licence upon the occurrence of the following events:
 - (a) if the Licencee has failed to comply with or is in breach of any Condition of this Licence, and has failed or neglected to remedy the same after the licencee has been requested to do so by the Commission; or
 - (b) if the Licencee has failed to comply with any directive or order or notice given in writing pursuant to Conditions of this Licence by the Commission; or
 - (c) if the Licencee has breach the provision of the Renewable Energy Power Purchase Agreement entered into with TNB and has failed to remedy such breach despite notice from TNB to remedy the same.
2. When this Licence is suspended pursuant to paragraph 1 above:
 - (a) the Commission, with the approval of the Minister, may appoint TNB and/or such other person as may be appointed by him, to carry out,

discharge, assume or perform any of the obligations, duties and responsibilities imposed under this Licence on the Licencee, and to receive such payments, benefits or privileges which the Licencee is entitled under this Licence to receive or to enjoy;

- (b) the Licencee shall not be entitled to any payment or compensation from the Government for any loss or damage that may have occurred, incurred or suffered by the Licencee; and
- (c) the Licencee, its agents, servants or workmen shall render all necessary assistance and cooperation to TNB and/or such person appointed by the Commission.

3. In exercising the right under paragraph 2 above, the Commission shall have regard to the rights of TNB under the Renewable Energy Power Purchase Agreement.
4. The period of any suspension imposed shall be determined by the Commission, provided always that where the suspension is as a result of the breach of any Conditions of this Licence, the suspension shall cease as soon as the breach has been remedied by the Licencee and the Commission shall certify the same.

PART III - REVOCATION

1. Notwithstanding paragraph 2 of Part I of this Licence, the Commission may at any time revoke this Licence by giving not less than thirty (30) days notice in writing to the Licencee at its registered office in any of the following circumstances:
 - (a) upon breach of any of the Conditions imposed in this Licence;
 - (b) if the Licencee ceases to work or operate the generating facility;

- (c) if any amount payable under Condition 21 is unpaid after it has become due whether notice in writing has been given to the Licencee or not;
 - (d) if a receiver or liquidator has been appointed for the Licencee;
 - (e) If any action taken for voluntary winding up or dissolution of the Licencee's company or any order pursuant to the Companies Act 1965 is made for the compulsory winding up the Licencee's company;
 - (f) if the Renewable Energy Power Purchase Agreement has expired or is revoked and terminated;
 - (g) if the generating units are not completed on or before the date as mentioned in paragraph 2 of Condition 5 or within such extended period as may be allowed in writing by the Commission;
2. Where this Licence is revoked pursuant to paragraph 1 above, the Licencee shall not be entitled to any payment of compensation whatsoever from the Government and / or the Commission for any loss or damage that may have occurred, incurred or suffered by him;
 3. The determination of this Licence under this Part shall not prejudice or affect the right of the Government and / or the Commission to recover any sum due thereunder of any breach, non-performance of any of the Conditions on the part of the Licencee therein contained.
 4. Any notice which is required to be given to the Licencee under paragraph 1 above, shall be deemed to have been given if sent by hand or pre-paid post or by facsimile to the Licencee's registered address as lodged in the Registry of Companies.

**The Generating Facility
(Location Plan)**

The location plan of
..... is shown in
Attachment 1.

APPENDIX 9

SAMPLE OF GENERATING LICENCE ISSUED BY REGIONAL OFFICE

*The Commission may impose:

- (1) Any additional terms or conditions of licence
- (2) Amend any terms or conditions of licence

Licence No.:

Serial No.:

FORM F
(Regulation 9)

ELECTRICITY SUPPLY ACT 1990
LICENCE FOR PRIVATE INSTALLATION

In accordance with the section 9 of the Electricity Supply Act 1990, the Energy Commission, with the approval of the Minister, hereby grants a licence to

of

to use, work and operate, in accordance with the Electricity Regulation 1994, an electrical installation at

(hereinafter referred to as the Area of Supply), for the supply and use of electricity solely for within the Area of Supply subject to the following conditions:

(Please refer Annex 1).

Dated the _____ day of _____ .

Granted by

Energy Commission

The Conditions

1. The nominal capacity of the electricity generating facility shall not be more than MW.
2. The Licence shall come into force from the date of issue and shall expire years thereafter.
3. The Licencee shall ensure that it complies with the provision of the Electricity Supply Act 1990 and all Regulations thereof.
4. The Licencee shall comply with any provision of any other written law or to obtain any approval that is required under any written law for the time being in force for the implementation, operation and maintenance of the installation or any part thereof.
5. The electrical installation shall be operated and maintained by qualified competent person as describe in the Act and Regulations.
6. The Licencee shall submit information to the Energy Commission on the energy generated, fuel usage and other relevant data at monthly interval or otherwise as determined by the Energy Commission.
7. The Licence shall not be transferred without the prior written approval of the Minister.
8. The Energy Commission, with the approval of the Minister, may review, amend or revoke any term and condition in this Licence whenever it appears necessary or expedient for the purpose of compliance to the technical, safety and efficiency requirements applied generally to the electricity supply industry in Malaysia.
9. The Energy Commission may, upon service of written notice to the Licencee, suspend this Licence upon the occurrence of the following events: -
 - a. if the Licencee has failed to comply with or is in breach of any Condition of this Licence, and has failed or neglected to remedy the same after the Licencee has been requested to do so by the Energy Commission.
 - b. if the Licencee has failed to comply with any directive or order or notice given in writing pursuant to the Conditions of this Licence by the Energy Commission.

10. The Energy Commission may at any time revoke this Licence by giving not less than thirty (30) days notice in writing to the Licencee at its registered office in any of the following circumstances: -

- a. if the Licencee agrees in writing that this Licence should be revoked.
- b. upon breach of any of the Conditions of the Licence.
- c. if the Licencee ceases to work or operate the installation.
- d. if any amount payable under the Licence is unpaid after it has become due whether notice in writing has been given to the Licencee or not.
- e. if the electricity generating facility is not completed and successfully commissioned within three years from the date of issue of this Licence or within such extended period as the Energy Commission may allow in writing.

11. The "Area of Supply" means
site for

APPENDIX 10

SAMPLE OF DISTRIBUTION LICENCE ISSUED BY MAIN OFFICE

*The Commission may impose:

- (1) Any additional terms or conditions of licence
- (2) Amend any terms or conditions of licence

LICENCE GRANTED TO
UNDER THE ELECTRICITY SUPPLY ACT 1990

PART I - TERMS OF LICENCE

1. The Energy Commission, with the approval of the Minister of Energy, Green Technology and Water, in exercise of the powers conferred by section 9 of the Electricity Supply Act, 1990 (hereinafter referred to as "the Act") and of all other powers exercisable by it for that purpose, hereby grants to
....., a company incorporated under the Companies Act, 1965, having its registered office at
..... (hereinafter referred to as "the Licencee"), a licence for the period specified in paragraph 2, subject to the terms in this Part and Conditions set out in Part II (hereinafter referred to as "the Conditions"), the Act and to any Regulations made or which may be made under the Act and to revocation as provided for in Part III, to use, work or operate any installation of electrical distribution facilities at
..... (hereinafter referred to as the "area of supply") and to supply electricity to or for the use of any person in the area of supply as specified in Annex A.
2. This Licence (hereinafter referred to as "this Licence") shall come into force on the date of issuance of the Licence, and shall be of years duration but, without prejudice to Part II of this Licence, shall be subject to revocation as provided for in Part III.

(DATUK IR AHMAD FAUZI BIN HASAN)
Chief Executive Officer
Energy Commission

Commencement Date:

PART II - THE CONDITIONS

CONDITION 1 : INTERPRETATION AND CONSTRUCTION

1. Unless the contrary intention appears, words and expressions used in this Licence shall be construed as if they were an Act of Parliament and the Interpretation Acts 1948 and 1967 applied to them and references to an enactment shall include any statutory modification or re-enactment thereof after the date when this Licence comes into force.
2. Nothing in this Licence shall in any way affect the powers of the Commission under the Act and any purported detracting or derogation of such powers shall have no force or effect.
3. Any word or expression defined for the purpose of Part I of the Act shall, unless the contrary intention appears, have the same meaning when used in the Conditions and Part III.
4. Where a time limit is stipulated, the Licencee shall comply with the obligation within the time limit and that obligation shall continue to be binding and enforceable if the Licencee fails to comply with that obligation within that time limit. However, the Commission may, upon request for an extension of such time in writing by the Licencee, grant such extension of time as it deems fit.
5. Any reference to a numbered Condition is a reference to the Condition bearing that number in this Licence and any reference to a numbered paragraph is a reference to the paragraph bearing that number in the Condition in which the reference occurs.
6. In construing the Conditions, the heading or title of any Condition shall be disregarded.
7. Any reference to "person" in this Licence shall be deemed to include natural and legal person.

8. In the Conditions and in Part III, unless otherwise specified or the context otherwise requires:

"Act" means the Electricity Supply Act 1990, as it may from time to time be amended, extended, modified or re-enacted;

"affiliate" in relation to the Licencee means any holding company or any subsidiary company of the Licencee or any subsidiary of a holding company of the Licencee, related to the core business of the Licencee within the meaning of the Companies Act 1965;

"area of supply" means the area referred to in Annex A of this Licence within which any activity authorised by this Licence is allowed;

"Auditors" means the Licencee's auditors, for the time being holding office in accordance with the requirements of the Companies Act 1965;

"bulk purchase agreement" means an agreement for the purchase of bulk supply of electricity made or to be made between the Licencee and TNB or any other person authorised by the Commission and granted with a licence under section 9 of the Act as the same may be amended, modified or novated from time to time;

"Commission" means the Energy Commission established under the Energy Commission Act 2001;

"consumer" means any person who is supplied or whose premises are for the time being connected for the purposes of supply of electricity by the Licencee in the area of supply;

"distribution code"	means any code or similar Regulations made under the Act which consists a set of technical rules and procedures that facilitate coordinated planning, design, development, operation and maintenance of an electricity distribution system in Malaysia, as the same may be amended from time to time;
"facility"	means the whole or any part of the installation which the Licencee is licenced to use, work or operate;
"Licenced Business"	means the business of distribution and retail supply of electricity in the area of supply as authorised under this Licence;
"Other Business"	means business or activities of the Licencee other than the Licenced Business;
"Regulations"	means the Licencee Supply Regulations 1990 [P.U.(A)384] and any Regulations made or which may be made under the Act, as it may from time to time be amended, extended, modified or re-enacted;
"related undertaking"	means any undertaking in which the Licencee has a controlling stake;
"relevant assets"	means any asset for the time being forming part of the Licenced Business and any beneficial interest in land upon which the foregoing is situated; and
"TNB"	means Tenaga Nasional Berhad, a company incorporated under the Companies Act 1965, having its registered office at No. 129, Jalan Bangsar, 59200 Kuala Lumpur including its successors in-title or permitted assigns.

"SESB" means Sabah Electricity Sdn. Bhd., a company incorporated under the Companies Act 1965, having its registered office at No. 129, Jalan Bangsar, 59200 Kuala Lumpur including its successors in-title or permitted assigns.

CONDITION 2 : OBLIGATIONS OF THE LICENCEE AND AREA OF SUPPLY

1. The Licencee shall secure a supply of electricity up to **MW** inclusive of its ancillary services in order to use electricity and supply electricity to any person in the area of supply as specified in Annex A of this Licence. Any change to the maximum capacity of supply specified in this paragraph shall be subject to the prior approval of the Commission.
2. The Licencee shall not supply electricity to any person other than the persons in the area of supply mentioned in paragraph 1 above, provided that the Commission may with the approval of the Minister in writing permit the Licencee to supply electricity to such persons.
3. Subject to the provision of the Act and the terms and the Conditions of this Licence, the Licencee shall on the application of the owner or the occupier of any premises within the area of supply, provide connection to the consumer for the purpose of providing a supply of electricity to those premises, including the installing any cables and equipments.

CONDITION 3 : STANDARD OF PERFORMANCE IN RESPECT OF ELECTRICITY SUPPLY

1. The Licencee shall ensure the capacity of the facility is adequate to meet the capacity and electricity demand of the consumer approved under this Licence unless he is prevented from doing so by complying with regulatory requirements or the malfunction or failure of any equipment or installation beyond his control, or as result of fire, flood, drought, landslide, earthquake, explosion, accident, industrial disturbance on national level, emergency, riot,

civil disturbance, war, or any other similar event not within the control of the Licencee.

2. The Licencee shall plan, use, work, operate and maintain the facility according to prudent utility practices to ensure that the supply to the consumer is continuous, safe and reliable and of acceptable quality.
3. The Licencee shall ensure that the supply of electricity to continue uninterrupted notwithstanding arbitration, contractual or industrial dispute which the Licencee may be engaged in except where it is prevented from doing so in the circumstances mentioned in paragraph 1 above.
4. The Licencee shall comply with standards of performance in respect of consumer supply and services as issued by the Commission from time to time and as in accordance with the Act.

**CONDITION 4 : PROHIBITION OF UNDUE PREFERENCE, OR
DISCRIMINATION AND SUBSIDIES**

1. In the conduct of the Licenced Business, the Licencee shall not show undue preference or discrimination as among consumers or persons similarly situated in the area of supply having regard to the place and time of supply, the quantity of electricity supplied, the characteristic of the land, and the purpose for which the supply is taken.
2. The Licencee shall not without prior written approval of the Commission, give any subsidy or subvention to, or receive any subsidy or subvention from any Other Business of the Licencee or an affiliate or related undertaking.
3. The Licencee shall furnish to the Commission such information as it may request, from time to time, for the purposes of ensuring compliance with this Condition.
4. For the purpose of this Condition, "subsidy" includes any allowance or assistance in the form of money or otherwise including any manner of assistance which can be extended by way of transfer of pricing.

CONDITION 5 : CONTRACTS WITH CONSUMERS

1. The Licencee shall not enter into a contract for the supply of electricity with consumer in the area of supply unless the terms and conditions are consistent with matters referred to in the Act or the Regulations.

2. The Licencee shall not enter into any contract for the supply of electricity with any consumers in the area of supply at a tariff which is different to a tariff offered by the Licencee in accordance with its obligation under Condition 6 unless the consumer requires the supply of electricity pursuant to a special agreement with the Licencee on such terms as may be specified in the agreement.

CONDITION 6 : RESTRICTION ON ELECTRICITY PRICES TO CONSUMERS

1. **The Licencee shall not offer to supply and sell electricity to consumers in the area of supply at a tariff that is higher than to a tariff applicable to the same category of consumers of TNB approved by the Minister pursuant to section 26 of the Act.**

2. Notwithstanding paragraph 1 above, the Licencee may review the tariff offered to the consumer subject to:
 - [a] the maximum tariff reviewed shall not exceed the tariff applicable to the same category of consumers of TNB at the material time and the said tariff is approved by the Minister pursuant to section 26 of the Act; and

 - [b] the Commission may fix the maximum prices at which the electricity may be resold pursuant to section 31 of the Act.

3. Any charge which is not included in or does not form part of the tariff mentioned in paragraph 1 above, imposed by the Licencee for the supply and sale of electricity to the consumers in the area of supply, including principles in determining such charge, shall be approved by the Commission.

**CONDITION 7 : CODES OF PRACTICE FOR SUPPLY OF ELECTRICITY AND
PAYMENT OF BILLS**

1. Licencee shall, within three (3) months after this Licence enters into force, prepare and submit to and for the approval of the Commission:
 - [a] a Code of Practice describing the nature of services available to consumers in relation to electricity supplied by the Licencee; and
 - [b] a Code of Practice concerning the payment of electricity bills by its consumers and including appropriate guidance for assistance of such consumers who may have difficulty in paying such bills, and procedures for disconnecting consumers for non-payment.

2. In granting the approval, the Commission may make such modifications, as it considers necessary.

3. The Commission may, upon receiving a representation or otherwise, require the Licencee to review the Codes of Practice prepared in accordance with paragraph 1 and the manner in which it is implemented with a view to determine whether any modifications should be made to it or to the manner of its implementation.

4. The Licencee shall:
 - [a] draw the attention of the consumers, in such manner as the Commission may direct, the existence of each code and each any revision of it and how they may inspect or obtain a copy of each code in its latest form;
 - [b] send a copy of each code and any revision of either of them to the Commission; and

- [c] make a copy of each code, revised from time to time, available for inspection by consumers during the normal working hours.

CONDITION 8 : **METERING OF ELECTRICITY**

1. The Licencee shall provide and install such meters on the consumer's premises as it considers necessary for the measurement of the supply of electricity to a consumer.
2. The meter shall be provided by the Licencee, whether by way of sale, hire or loan to the consumer and the meter's installed location shall be visible and accessible for the Licencee's inspection or any other authorized action.
3. Every electricity meter shall be tested, calibrated and verified in accordance with subsidiary legislation, code or guideline made under the Act.
4. Once verified by the Commission, a meter may remain in service for a period of 10 years or any such period as approved by the Commission, except where the meter is suspected to be malfunctioning.

CONDITION 9 : **COMPLAINT HANDLING PROCEDURE**

1. Subject to paragraph 3, the Licencee shall within three (3) months after this Licence enters into force and with the approval of the Commission, establish a procedure for handling complaints from consumers about the manner in which the Licencee conducts its business.
2. The Licencee shall, whenever requested to do so by the Commission, review the complaint handling procedure prepared in accordance with paragraph 1 above, and the manner in which that procedure has been operated, with the view to determining whether any modifications should be made to it or to the manner of its operation.

3. In establishing a procedure in accordance with paragraph 1, and in carrying out any review under paragraph 2, the Licencee shall have regard to any representation made about the procedure or the manner in which it is likely to be, (or as the case may be), has been operated.
4. Any procedure shall specify the periods within which it is intended that different description of complaint should be processed and resolved.
5. The Licencee shall:
 - [a] draw the attention of the consumers, in such manner as the Commission may direct, the existence of the complaint handling procedure and each revision of it and how the consumers may inspect or obtain copies of such procedure in its latest form;
 - [b] make a copy of its complaint handling procedure, revised from time to time, available for inspections by consumers at the relevant office of the Licencee during the normal working hours; and
 - [c] provide free of charge a copy of the complaint handling procedure revised from time to time to each new consumer, and to any other person who request for it at a price not exceeding the reasonable cost of duplicating it.

CONDITION 10 : VOLTAGE, FREQUENCY AND VARIATIONS OF SUPPLY AND VARIATION PERMITTED

1. The voltage of supply shall be 230 volts single phase or 400 volts three phase with variation not exceeding +10% to -6% or any voltage and variations according to the standard determined by the commission.
2. The frequency of supply shall be 50Hz \pm 1%.

CONDITION 11: COMPLIANCE WITH DISTRIBUTION CODE AND COMPLIANCE WITH THE DISTRIBUTION SYSTEM OPERATOR

1. In so far as it may affect the operation and performance of the distribution system, the Licencee shall:
 - [a] comply with the provisions of the distribution code as it may be amended, extended or modified by the Commission and in accordance with such directive and ruling made from time to time by the Commission; and
 - [b] comply at all time, with the instructions, directives and guidelines of the person who operates the distribution system to ensure the safety, security and reliability of the distribution system.

2. Under emergency conditions of the distribution system, the Licencee shall provide every facility to assist in maintaining and/or restoring the safety, security and reliability of the distribution system.

CONDITION 12: RIGHT OF ENTRY

The Commission, or any other person duly authorised by the Commission, shall be entitled to enter any premises or land in or upon which the facility is installed or in the course of being installed and may examine, test, survey or take measurement of the installation and inspect any record and document kept by the Licencee pertaining thereto, to ensure compliance with the Conditions of this Licence.

CONDITION 13: STEP-IN RIGHT OF THE COMMISSION

Notwithstanding any contractual obligations of the Licencee, in the event this Licence is suspended or revoked upon breach of any of the Conditions of this Licence, the Commission may step in, solely for the purpose of exercising its duties and functions prescribed under the Act and the Regulations made thereunder.

CONDITION 14 : SAFETY AND HEALTH MANAGEMENT PROGRAMME

1. In carrying out its business activities, the Licencee shall establish a safety and health management system to ensure effective safety and health management and continual improvement of all reasonable measures to be taken by the Licencee to protect person and property from injury and damage that may be caused by the Licencee's installations, and practices or operation of the Licencee.
2. The Licencee shall comply the electrical infrastructure safety codes or in the absence of such code, with standard and prudent utility practices as may be determined by the Commission.

CONDITION 15 : SEPARATE ACCOUNT FOR BUSINESS UNDER THE LICENCE

1. Within three (3) months after grant of this Licence, the Licencee shall inform the Commission the commencement date of its Financial Year.
2. The Licencee shall in respect of its Licenced Business or any Other Business which it carries on:
 - [a] keep proper books of account and records in such a form that the revenues, costs, assets, liabilities, reserves and provisions of, or reasonably attributable to the Licenced Business are separately identifiable in the books of Licencee (and any affiliate or related undertaking of the Licencee), from those of Other Business in which the Licencee may be engaged; and
 - [b] prepare on a consistent basis from its accounting records in respect of the Financial Year commencing on the first year this Licence enters into force and each subsequent Financial Year, accounting statements comprising a profit and loss account, a balance sheet and a cash flow

statement, together with the notes thereto, and such other particulars and details showing separately in respect of each such business and in appropriate detail the amounts of any revenue, cost, assets, liability, reserve or provision which has been either:

- [i] charged from the Licenced Business to any Other Business or vice versa together with a description of the basis of that charge; or
- [ii] determined the apportionment or allocation between the Licenced Business and any Other Business of the Licencee together with a description of the basis of apportionment or allocation; and

[c] procure in respect of accounting statement prepared in accordance with this Condition in respect for each Financial Year, a report by the Auditors and addressed to the Commission stating whether in their opinion those statements are adequate for the purpose of, and comply with, this Condition and give a true and fair view of the revenues, costs, assets, liabilities, reserves or provisions of, or reasonably attributable to such businesses to which the statements relate.

3. The Licencee shall deliver to the Commission a copy of the account and Auditor's reports referred to in paragraphs 2 above as soon as reasonably practicable, and in any event not later than three (3) months after the end of each Financial Year.
4. References in this Condition to costs or liabilities of, or reasonably attributable to Licenced Business or Other Business shall be construed as excluding taxation, capital liabilities which do not relate principally to such businesses an interest thereon; and references to any accounting statement shall be construed accordingly.

CONDITION 16 : CONSUMER DEPOSIT

1. The Licencee shall create an account for deposits paid by consumers and shall keep such accounts separate from all other accounts in the operation of

the Licencee. For all intents and purposes such accounts of consumers deposit are held on trust by the Licencee for the consumers.

2. Where the Licencee has collected the deposit from the consumers, the Licencee shall pay a rebate on the amount of deposit a sum equivalent to five per cent per annum or such percentage as determined by the Minister, to be calculated on a pro-rated basis from the date of commencement of supply until termination of the supply and shall credit it into the consumer's account at the end of January of every year.
3. The Licencee shall refund the deposit not later than thirty days after the termination of the supply to the consumer, his successor in title, lawful assign, trustee, personal representative, administrator or any person entitled to that amount of money, subject to the deduction of any amount then due to the Licencee by the consumers.
4. Notwithstanding paragraph (3), the deposit shall not be refunded to any person other than the consumer, but where a person is able to furnish the Licencee with a discharge and indemnity letter, such deposit may be refunded to such person.

CONDITION 17 : PROVISION OF INFORMATION TO THE COMMISSION

1. The Licencee shall keep record of the following and submit to the Commission at monthly interval:
 - [a] information on the maximum daily load and electricity sold per month;
 - [b] the class, operating voltage and demand of all consumers; and
 - [c] forced and mandatory outages and schedule of maintenance programme.
2. The Licencee shall notify the Commission as soon as possible of any major breakdown affecting any part of the installation which has occurred, the

occurrence of any accident, fatal or otherwise and interruption of service for more than an hour.

3. Notwithstanding paragraph 1 and 2 above, the Licencee shall furnish to the Commission in such manner and at such times as the Commission may reasonably require, such documents, accounts, estimates, returns, reports and other information as the Commission may consider necessary in the light of the Conditions or as he may require for the purpose of performing the duties and functions assigned or transferred to it under the Act or any Regulations made thereunder.

CONDITION 18 : LICENCE IS NON-TRANSFERABLE, NON-ASSIGNABLE, etc.

1. The Licencee shall not assign, transfer, sublet or otherwise dispose of its rights, duties, liabilities, obligations and privileges or part thereof under the terms and Conditions of this Licence except with the prior written approval of the Minister.
2. The Licence shall not be transferred, charged, pledged or otherwise encumbered without the prior written approval of the Minister.
3. The creation of any charge, mortgages, pledges, lien or other securities over the land used for the facility is prohibited without express written consent of the Minister.
4. Any such approval or consent shall be subject to such terms and conditions as the Minister in his absolute discretion may impose.

CONDITION 19 : PAYMENT OF FEES

The Licencee shall, at the times stated hereunder, pay to the Commission the amount of fees as provided for in the Regulations currently in force:

- [a] on the issuance or renewal or reissuance of the Licence; and
- [b] thereafter, an annual fee when due.

CONDITION 20 : COMPLIANCE WITH LAWS

1. The Licencee shall ensure that it complies at all times with the applicable laws of Malaysia and in particular with the provision of the Act and Regulations.
2. The breach of any law, including the breach of any provision of the Act or any subsidiary legislation made thereunder shall be deemed to be a breach of the terms and conditions of the Licence.
3. The Licencee shall apply for and obtain all necessary licence, permit or approval under the applicable laws for carrying out its Licenced Business, properly and in timely manner and shall diligently pursue all such applications.

CONDITION 21 : CHANGE IN LAW AND REVIEW OF LICENCE

1. The Commission, with the approval of the Minister may add to, vary or revoke any of Terms and Conditions in this Licence whenever it appears necessary or expedient, safety and efficiency requirements applied generally to the electricity supply industry in Malaysia.
2. If a new Act or amendment to the Act is enacted, to the extent that necessitate redefining, reorganisation or changes to the business activities of the Licencee specified in the Licence, or changes to the structure of the electricity supply industry, the Licence may be reviewed, amended, modified or reissued to reflect such redefining, reorganisation or changes.

CONDITION 22 : SUSPENSION OF LICENCE

1. The Commission may, upon service of written notice to the Licencee, suspend this Licence upon the occurrence of the following events:
 - [a] if the Licencee has failed to comply with or is in breach of any Condition of this Licence, and has failed or neglected to remedy the same after the

- Licencee has been requested to do so by the Commission within stipulated period; or
- [b] if the Licencee has failed to comply with any directive or order or notice given in writing pursuant to Conditions of this Licence by the Commission; or
 - [c] if the Licencee has breach the provision of the bulk purchase agreement entered into with TNB and has failed to remedy such breach despite notice from TNB to remedy the same.
2. The period of any suspension imposed shall be determined by the Commission, provided always that where the suspension is as a result of the breach of any Conditions of this Licence, the suspension shall cease as soon as the breach has been remedied by the Licencee and the Commission shall certify the same.
3. If the breach has not been remedied within the stipulated period, the Commission may, with the approval of the Minister, suspend the Licence and Exercise its duties and function pursuant to Condition 13.

PART III - REVOCATION

1. Notwithstanding paragraph 2 of Part I of this Licence, if the Licencee constitute any of the following circumstances:
- [a] if the Licencee agrees in writing with the Commission that this Licence should be revoked;
 - [b] upon breach of any of the Conditions imposed in this Licence;
 - [c] if the Licencee ceases to supply electricity to consumers;
 - [d] if any amount payable under Condition 19 is unpaid after it has become due whether notice in writing has been given to the Licencee or not;
 - [e] if a receiver or liquidator has been appointed for the Licencee;

[f] if any action taken for voluntary winding up or dissolution of the Licencee's company or any order pursuant to the Companies Act 1965 is made for the compulsory winding up the Licencee's company; and

[g] if the bulk purchase agreement has expired or is revoked and terminated.

2. The Commission may allow the Licencee to remedy the non-compliance within 90 days from the date the Licencee received the notice of non-compliance from the Commission. If the non-compliance still persists or cannot be remedied within the time stipulated above, the Commission shall have the full right to revoke the Licence by giving 30 days notice of revocation in writing to the Licencee at its registered office.
3. Where this Licence is revoked pursuant to paragraph 1 above, the Licencee shall not be entitled to any payment of compensation whatsoever from the Government or the Commission for any loss or damage that may have occurred incurred or suffered by him.
4. The determination of this Licence under this Part shall not prejudice or affect the right of the Government or the Commission to recover any sum due there under of any breach, non-performance of any of the Conditions on the part of the Licencee therein contained.
5. Any notice which is required to be given to the Licencee under paragraph 1 above, shall be deemed to have been given if sent by hand or pre-paid post or by facsimile to the Licencee's registered address as lodged in the Registry of Companies.

LICENCEE'S AREA OF SUPPLY

The Licencee's area of supply shall comprise the area within the boundary of

.....
..... as shown in 'Attachment 1':

APPENDIX 11

SAMPLE OF PROVISIONAL LICENCE

*The Commission may impose:

- (1) Any additional terms or conditions of licence
- (2) Amend any terms or conditions of licence

**ELECTRICITY SUPPLY ACT 1990
(ACT 447)**

PROVISIONAL LICENCE

PART I – TERMS OF LICENCE

1. The Energy Commission, with the approval of the Minister of Energy, Green Technology and Water, in exercise of the powers conferred by section 9 of the Electricity Supply Act, 1990 (hereinafter referred to as "the Act") and of all other powers exercisable by it for that purpose, hereby grants to, a company incorporated under the Companies Act, 1965, having its registered office at (hereinafter referred to as "the Licensee"), a licence for the period specified in paragraph 2, subject to the terms in this Part and Conditions set out in Part II of this Licence (hereinafter referred to as "the Conditions"), the Act and to any Regulations made or which may be made under the Act and to revocation as provided for Part II, to use, work or operate any electrical installation to be constructed by or for the Licensee at more particularly shown in the Location / Site Plan attached as Annex A (hereinafter referred to as the "generating facility"), and to supply electricity to and for the use of and/or to any other person permitted by the Energy Commission with the approval of the Minister in writing (hereinafter referred to as "Buyer").
2. The Licence may extend to authorising the Licensee to lay, place, carry on or maintain any posts, cables or wires for the purpose of erecting and installing supply lines, installation or equipment on, along, through, under or over any land, in accordance with the provisions of the Act.
3. This Licence shall enter into force from the date of issue and shall be of years duration from the date hereof but, without prejudice to Part II of this Licence, shall be subject to revocation.
4. The granting of this Licence does not remove any need by the Licensee to comply with any provision of any other written law or to obtain any other licence that are required under any other written law for the time being in force.

5. This Licence is provisional for the period mentioned in paragraph 3 and shall be subjected to the approval by the Commission for subsequent issuance of permanent licence upon achieving Initial Operation Date.

(DATUK IR AHMAD FAUZI BIN HASAN)

Chief Executive Officer

Energy Commission

Dated :

PART II – THE CONDITIONS

1. DEFINITION

- “Act”** means Electricity Supply Act 1990 (Act 447) including its subsequent amendments and any regulations made thereunder;
- “Buyer”** means (name of Distribution Licensee) or any other person permitted by the Commission with the approval of the Minister in writing for the Licensee to sell or supply energy;
- “Feed-In Approval”** means approval granted under Section 7 of Renewable Energy Act 2011;
- “Generating Facility”** means any plants or equipment and its associated facility enabling electricity to be generated or produced;
- “Initial Operation Date”** means the date on which licensee installation first transmits renewable energy to the distribution licensee’s electricity distribution network, in accordance with Renewable Energy Act 2011
- “Licensee Installation”** means any plants or equipment and its associated facility such as generating facility, building, substation, cables or lines, tower or poles, which is owned, operated or used by the Licensee.
- “Provisional Licence”** means a licence issued under Section 9 of the Act for the purpose of initial commencement of the renewable energy project pursuant to the Renewable Energy Act 2011

“Permanent Licence” means a licence issued under Section 9 of the Act, subsequent to the provisional licence and upon the generating facility achieving Initial Operation Date.

2. LICENCED CAPACITY

The installed capacity of the electricity generating facility using renewable sources shall not be more than _____ MW.

3. COMPLIANCE WITH LAWS

The Licensee shall ensure that it complies at all times with the provision of the applicable law of Malaysia, in particular with the provision of the Electricity Supply Act 1990 and all Regulations made thereunder.

4. LICENSEE INSTALLATIONS

The designs, plans, specifications and details for the installation shall be prepared, approved or certified by suitably qualified engineer(s) registered as professional engineer(s) with Board of Engineers, Malaysia (hereinafter referred to as “the Plan and Specification”).

The Licensee shall set up its own quality control and quality assurance team consisting of suitably qualified personnel to ensure that installation, construction, testing and commissioning of the installation, the material used and the equipment are in accordance with prudent utility practices.

5. PROVISION OF INFORMATION

The Licensee shall provide to the Commission, in the manner and form decided by the Commission, such information as the Commission may from time to time require and which is, in the opinion of the Commission, relevant to the Commission’s functions under the Act.

6. PRUDENTIAL REPORTING

The Licensee shall report the occurrence of any of the following circumstances to the Commission as soon as possible:

- (a) A receiver or liquidator has been appointed for the licensee;
- (b) If any action taken for voluntary winding up or dissolution of the Licensee's company or any order pursuant to the Companies Act 1965 is made for the compulsory winding up of the Licensee's company.

During the period of this Licence, the Licensee shall submit to the Commission a project schedule and monthly progress report on the implementation of the project.

7. ISSUANCE OF PERMANENT LICENCE

Prior to the generating facility achieving Initial Operation Date, the Licensee shall submit to the Commission not later 90 days before such date, an application for the issuance of a permanent licence in the manner and form as determined by the Commission and shall include such documentations:

- i) A renewable energy power purchase agreement duly executed with the Buyer pursuant to Section 12 of the Renewable Energy Act 2011;
- ii) A letter or agreement on fuel supply (where applicable);
- iii) A letter of approval from the financier of the projects;
- iv) An approval of the Environmental Impact Assessment of the project from Department of Environmental Quality (where applicable)
- v) A relevant certification from the Commissioning Engineer appointed by the Licensee certifying that the Licensee's Installation has passed all inspections, test and requirements for a safe operation of the installation.

8. AUTHORITY TO REVIEW TERMS AND CONDITIONS

During the period of this Licence, the Commission may add to, vary or revoke any of the term and Conditions in this Licence whenever it appears necessary or expedient for the purpose of extending Part I of the Licence or meeting the technical, safety and efficiency requirements of the project.

The Commission shall give 30 days notice to the Licensee of its intention to add to, vary or revoke any of the term and Conditions in this Licence, and shall decide after taking into consideration any submission by the Licensee.

9. PAYMENT OF FEES

The Licensee shall, at the times stated hereunder, pay to the Commission the amount of fees as provided for in the Regulations currently in force:

- (a) on the issuance of the Licence; and
- (b) thereafter, an annual fee when due

10. REVOCATION

The Energy Commission may at any time revoke this Licence by giving not less than thirty (30) days notice in writing to the Licensee at its registered office in any of the following circumstances: -

- a. If the Licensee agrees in writing that this Licence should be revoked.
- b. Upon breach of any of the Conditions of the Licence, and has failed or neglected to remedy the same after the Licensee has been requested to do so by the Energy Commission.
- c. If the Licensee has failed to comply with any directive or order or notice given in writing pursuant to the Conditions of this Licence by the Energy Commission.
- d. If the Licensee ceases to work or operate the installation.
- e. If any amount payable under the Licence is unpaid after it has become due whether notice in writing has been given to the Licensee or not.
- f. If the Feed-in Approval pursuant to Renewable Energy Act 2011 is revoked or surrendered.

APPENDIX 12

FREQUENTLY ASKED QUESTIONS

Criteria Of Licence Application

1. Can the Commission consider an application of licence from a dormant company with RM2 paid-up capital?
 - No, any application from a dormant company will not be entertained.
2. What is the total paid-up capital of the Company entitled to apply for a licence?
 - The minimum requirement of paid-up capital is at least 2% of the total project cost or in case of licence for distribution activities, 2% of connection charge.
3. Why should a simple financial analysis be attached together with the application for distribution licence?
 - The Commission has prepared a simple financial template to be filled up by the applicant with relevant information. This information is required for the viability and sustainability assessment of the licence activity.
4. Is there any restriction on foreign equity holdings for each type of licence?
 - There is no restriction for distribution activity, cogeneration activity and licence for private installation.
 - For licenece of generation and transmission activity, the restriction on foreign equity holdings is subject to the prevailing government policy.
5. How long is the licence period?
 - Based on the Commission practices, the licence periods defer for each type of licence;
 - i. Generation licence of thermal and hydro plant – up to 21 years or more depending on the validity of Power Purchase Agreement.
 - ii. Generation licence using renewable energy depends on the type of resources;
 - Solar PV – 21 years
 - Mini hydro – 21 years
 - Biomass – 16 years
 - Biogas – 16 years

- iii. Distribution Licence – 10 years
- iv. Licence for private installation – upon applicant request and subject to the Commission consideration.

➤ Though the licence is given to such periods, the validity of the licence still depends on the licensing fee paid annually by the licensee.

6. Can a company hold for more than one licence at a time?

➤ Yes, for example a same shopping mall owner hold distribution licence at different locations.

7. How long does it take for the Commission to approve an application of licence?

➤ The Commission’s client charter in respect of the licensing application processing time is as follows;

Type of Licence	Working Days
Licence for private installation with capacity of less than 5 MW	15
Renewal or amendment of private licence with capacity of less than 5 MW	3
Licence for private installation with capacity of 5 MW and above	60
Licence for public installation	60
Provisional Licence	30

8. Will the Commission process an application that is incomplete where the information and documents required are not submitted?

➤ The application will only be processed upon receiving the complete submission of the information and a signed copy documents and RM100 processing fee payment.

9. Will the Commission require additional information and documents, other than the items listed in the application forms?

➤ Yes, when necessary, the Commission may request applicant to furnish additional information and documents when processing an application.

Criteria Of Licence Application - Provisional Licence

10. Who is eligible to apply for a provisional licence from the Commission?
- Any person who requires an interim licence for the purpose of obtaining project financing, obtaining permission for plant reliability test or for the project development provided that they have obtain a Letter Of Award from the Government.
11. If I am the SREP existing licensee, how do I apply for a licence after obtaining the feed-in tariff (FIT) approval?
- SREP existing licensee do not need to submit a new application, only sufficient to submit a copy of FIT approval to the Commission.
12. Does the period of the existing licence be extended according to the FIT period?
- The existing licence period will remain. However, the Commission will consider to extend the licence period after analysing the technical and financial performance of the licence holder.
13. If I have signed REPPA to any public distribution licensee (e.g. ABC company) and found out that the licence period of the ABC company ends earlier than my REPPA agreements, what will happen to the arrangement?
- REPPA agreement is still valid. Normally, if the licence is about to expire, the Commission will consider to extend the licence period or offer to another company to take over the distribution system. In this case, you may need to sign a new REPPA if there is a change of distribution licensee.
14. How long will it take to get the provisional licence approved?
- Based on our client charter, our commitment to the applicant is 30 working days after receiving a complete application form and relevant supporting documents.

15. What is the fee to be paid for provisional licence?

- Usually under the provisional licence the project is still under the construction or have yet to achieve the commercial operation date. Therefore, the licence fee will be 1.1 cent per kilowatt according to the capacity of the installation as specified in the licence.
- However, there is a minimum fee of RM100.00 and maximum fee of RM2,200.00 for installations capacity of not exceeding 5 MW.

OAS (Online Application System)

16. What are the differences between OAS & ECOS?

- OAS is an online system used by the Commission's main office to;
 - i. Process licence application for private installation (with capacity of 5 MW and above) and public installation;
 - ii. Process payment of fees; and
 - iii. Monitor monthly reports submitted by licensees.
- ECOS is an online system used by the Commission's regional office to;
 - i. Register electrical installation – Form B;
 - ii. Process licence application for private installation (with capacity of less than 5 MW) – Form F;
 - iii. Record an inspection certificate by the competent person – Form I;
 - iv. Register electrical services contractor / electrical contractor / private wiring unit / electric sign contractor / electrical repair contractor / switchboard manufacturer – Form P, Form Q, Form R, Form S, Form T, Form U;
 - v. Process application for electrical competency examination;
 - vi. Register electrical competent person;
 - vii. Register electrical energy manager; and
 - viii. Process payment of fees.

17. What are the PC requirements to access to the OAS & ECOS?

- Hardware;
 - i. Computer/Laptop with Intel Core Processor and above, 2 GB RAM or more
 - ii. Internet connection (with minimum speed of 512Kbps)
- Software;
 - i. Web browser – Google Chrome
 - ii. Adobe Reader 7.0 and above

18. Who should use the OAS?

- An individual or company that requires a licence under Section 9 of Electricity Supply Act 1990 and with licence capacity of 5 MW and above for private installations and for all public installations capacity.

19. How do I become an OAS user?

- You can become an OAS user by registering yourself or a company through oas.st.gov.my and click "Pendaftaran Pengguna". For the licence application submitted by yourself, please register under "Individu" or if it is submitted by the assigned company, please register under "Syarikat".

20. How about if I am applying on behalf of government agencies or an association?

- Please fill up the form called "Borang Permohonan No. Rujukan Khas", the Helpdesk OAS will forward the user ID and password through the registered email.

21. I am an OAS user. I have forgotten my password and unable to login to the OAS system. How do I request for a new password?

- Please click on "Lupa Kata Laluan", then key in the registered email. The new password will be created and send to your email.
- You can also send a message at the menu "Bantuan" and provide the following;
 - i. Title: Reset Password

- ii. Description: To provide information such as company registration number, Company/Individual name and registered email

22. What is the procedure if I want to change an OAS user?

- Kindly contact the Licensing Unit to inform about the changes. You will be required to fill up a form and submit to the Commission for registration

23. After I have completed filling up my application of Public Licence, I was requested to make a processing fee payment. How do I make the payment?

- For application of Public Licence and Provisional Licence, you will be required to make a payment of RM100 for processing fee. You will be directed by the system by clicking a link for online payment.
- There will be no processing fee for application of Private Licence (with capacity of 5 MW and above) through this system

24. May I know the status of my application through the system?

- The system will keep you updated by giving the status of application and payment. The application status shown are as follows;
 - i. "Draf" – the application has yet to send to the Commission. The form still can be amended before send to the Commission.
 - ii. "Baharu" – the application sent to the Commission is pending for acceptance from processing officer.
 - iii. "Lulus" – the application is approved. You will be required to make payment of the licence fee before the issuance of licence. The fee can be paid via the system.
 - iv. "Ditolak" – the application is not approved. You will be inform the reason of why it is not approved.
- You can also check the status of payment from the system, such as;
 - i. Status of processing fee;
 - "Belum Ditetapkan" – Licence fee has yet to be set/prescribed. Processing officer will set the fee after receiving the application

- "Sudah Bayar" – Payment settled
 - "Belum Bayar" – Payment still outstanding
- ii. Status of licence fee;
- "Belum Ditetapkan" – Licence fee has yet to be set/prescribed. The Commission will set the fee after approval of application
 - "Sudah Bayar" – Payment settled
 - "Belum Bayar" – Payment still outstanding

25. After making an online payment, the status has changed from "Belum Bayar" to "Cubaan Bayar". What should I do?

- There are 2 possibilities that this can occur. It is either no transaction can be made at the screen FPX/Bank OR you have made the transaction at the screen FPX/Bank, your account has been deducted and you received a successful transaction. But because the online banking system is experiencing a delay to update the status of your payment, you received the status of "Cubaan Bayar".
- When the problem occurred, you are advised to send a message at the menu "Bantuan" and provide the following details;
 - i. Title: Online payment status "Cubaan Bayar"
 - ii. Description: To provide information such as OAS Ref. No., OAS Transaction ID and Company/Individual Name
- You can also contact the Licensing Unit and ask for cancellation of payment. The clerk will do a cancellation process by clicking "Batal Cubaan Bayar". Kindly provide information such as OAS Ref. No., OAS Transaction ID and Company/Individual Name to the Commission. This cancellation process is only applicable if you are unable to do any transaction at the screen FPX/Bank.

26. How to renew a licence?

- You are required to make a new application through the system. All the required information and document must be submitted. The Commission may request an additional information and document for evaluation of the previous licence period.

Energy Commission Online System (ECOS)

27. How do I become an ECOS user?

- You can become an ECOS user by registering yourself or a company through ecos.st.gov.my or click ECOS from Commission main webpage www.st.gov.my. There are 2 types of users, Individual users and Company users.

- Individual user - Please register at <http://ecos.st.gov> as 'Individu'. The registered user can only make the following application:

- i. Inspection Certificate – Form I;
- ii. Application for Electrical Competency Examination;
- iii. Registration of Electrical Competent Person;
- iv. Registration of Electrical Energy Manager.

Note: Login to the ecos system with 'ic number' after the registration of individual user is completed.

- Company user – Please register at <http://ecos.st.gov> as 'Company'. The registered user can only make the following application:

- i. Registration of Electrical Installation – Form B;
- ii. Application for Electrical Private Licence (for Install Capacity below than 5 MW) – Form F;
- iii. Registration of Electrical Services Contractor / Electrical Contractor / Private Wiring Unit / Electrical Sign Contractor / Electrical Repair Contractor / Switchboard Manufacturer – Form P, Form Q, Form R, Form S, Form T, Form U;
- iv. Registration of Electrical Competent Person.

➤ Below are the steps for registration as a 'Company' user:

- i. Kindly contact the Commission Regional Office to inform your e-mail and the reference number as printed on your registration certificate. Your e-mail account will be updated and link to your existing certificate information at ECOS database. **OR**
- ii. Go to "Menu Bantuan" at <http://ecos.st.gov.my/ms/web/guest/borang-maklum-balas> and provide information such as e-mail address and Commission reference number (which printed on registration certificate) for updates. User will received feedback from the ECOS helpdesk.
- iii. After the above process (i) or (ii) has completed, kindly go to <http://ecos.st.gov.my> and register as 'Syarikat'. Please use the e-mail provided to the Commission earlier on during the registration.

Note: Login to the ecos system with 'id pengguna' after complete the registration for company user.

28. How about if I am applying on behalf of government agencies or an association?

- Go to "Menu Bantuan" at the link <http://ecos.st.gov/ms/web/guest/borang-maklum-balas>
- Provide the following information with Description: 'government agencies for ECOS user registration':
 - i. Name of agency;
 - ii. Address;
 - iii. E-mail.
- User will received a feedback from the ECOS helpdesk. New reference number for government agencies or an association will be send by the system to replace the company registration number.

29. I am an ECOS user. I have forgotten my password and unable to login to the ECOS system. How do I request for a new password?

- Please click icon 'Lupa Kata Laluan' at <http://ecos.st.gov.my> and follow the instruction. **OR**

- Go to 'Menu Bantuan' at the following link:
<http://ecos.st.gov.my/ms/web/guest/borang-maklum-balas>
- Provide the following information information with Description: 'password reset':
 - a. Company / Individual Name;
 - b. Registered email;
 - c. User ID for company user;
 - d. I/C number for individual user;
- User will received feedback from the ECOS helpdesk. New password will be given.

30. What is the procedure if I want to change an ECOS user?

- Individual user – make a new registration and inform the Commission to delete the previous record (i/c number) at
<http://ecos.st.gov.my/ms/web/guest/borang-maklum-balas>
- Company user – 'ID Pengguna' for company cannot be change but e-mail address can be change. Please inform at
<http://ecos.st.gov.my/ms/web/guest/borang-maklum-balas> to change the e-mail address.

31. May I know the status of my application through the system?

- Application status can be check through ECOS at <http://ecos.st.gov.my> under the menu 'Semakan', and then choose 'SEMAKAN STATUS PERMOHONAN PENDAFTARAN PELESENAN PERSENDIRIAN 5MW DAN KE BAWAH'.

32. How to renew a licence through ECOS?

- You must be a registered user and follow the steps as stated at No. 27 above;
- Login to the system and choose "Permohonan >> Permohonan Pendaftaran Pelesenan Persendirian 5MW Dan Ke Bawah >> Permohonan Pelesenan Semula Pepasangan Persendirian"



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