



**MAKLUMAT PRESTASI & STATISTIK
INDUSTRI PEMBEKALAN ELEKTRIK MALAYSIA**
PERFORMANCE & STATISTICAL INFORMATION ON
THE MALAYSIAN ELECTRICITY SUPPLY INDUSTRY

2022

Data dan maklumat dalam penerbitan tahunan ini disediakan untuk memberi maklumat am sahaja. Walaupun Suruhanjaya Tenaga (ST) terus berusaha untuk memastikan semua maklumat yang terkandung dalam penerbitan ini adalah tepat, ST menafikan tanggungjawab (sama ada timbul daripada kelalaian, kenyataan yang salah akibat kecuaiian atau sebaliknya) untuk sebarang kenyataan, pandangan, maklumat dan perkara (tersurat atau tersirat) yang timbul, terkandung dalam atau berasal daripadanya, atau tidak disertakan maklumat daripada penerbitan ini, atau penggunaan mana-mana pihak terhadap maklumat (termasuk pergantungan terhadap penggunaan yang meluas, ketepatan, keboleharapan dan lengkapan) yang terkandung dalam penerbitan ini.

The data and information contained in this yearly publication is prepared and provided for general information purposes only. While the Energy Commission made reasonable efforts to ensure that the information contained in this publication is accurate, the Commission shall not have any liability (whether arising from negligence, negligent misstatement, or otherwise) for any statements, opinions, information or matter (expressed or implied) arising out of, contained in or derived from, or for any omissions from the information in this publication, or in respect of a person's use of the information (including any reliance on its currency, accuracy, reliability or completeness) contained in this publication.

© Hakcipta terpelihara. Tidak dibenarkan mengeluarkan ulang mana-mana bahagian isi kandungan buku ini dalam apa jua bentuk dan dengan apa cara pun sama ada secara elektronik, fotokopi, mekanik, rakaman atau lain-lain sebelum mendapat izin bertulis daripada Suruhanjaya Tenaga. Untuk sebarang petikan maklumat daripada penerbitan ini, kenyataan berikut hendaklah disertakan:

"Sumber: Suruhanjaya Tenaga"

© All rights reserved. Reproduction of all or any part of this publication via electronic, photocopy, mechanical, recording, or other medium is strictly prohibited without prior written consent from the Energy Commission. For any excerpt of the content of this publication, the following should be quoted:

"Source: Energy Commission"

**DITERBITKAN OLEH:
PUBLISHED BY:**

SURUHANJAYA TENAGA (ENERGY COMMISSION)

No. 12, Jalan Tun Hussein,
Precinct 2, 62100 Putrajaya,
Malaysia

T • (03) 8870 8500

F • (03) 8888 8637

www.st.gov.my

ISSN No. : 2289-3741

No. Penerbitan ST • ST Publication No.: ST(P)01/02/2026

DICETAK DI MALAYSIA • PRINTED IN MALAYSIA

PENAFIAN

Disclaimer

Segala data dan maklumat yang terkandung di dalam buku laporan ini memberi gambaran yang munasabah dan saksama bagi keseluruhan industri pembekalan elektrik di negara ini. Segala usaha telah diambil untuk memastikan semua maklumat yang terkandung di dalam laporan ini telah disahkan kesahihannya berdasarkan laporan harian, bulanan dan tahunan yang dihantar oleh pemegang-pemegang lesen sebagaimana termaktub di bawah syarat-syarat lesen. Manakala bagi negeri Sarawak, maklumat mengenai statistik dan prestasi utiliti di negeri tersebut dikemukakan oleh *Sarawak Energy Berhad (SEB)* dan Kementerian Utiliti dan Telekomunikasi Sarawak mengikut permintaan Suruhanjaya Tenaga (ST).

ST dengan niat yang baik menerbitkan maklumat ini untuk kegunaan orang awam, sejajar dengan fungsi yang ditetapkan di bawah Akta. ST menafikan semua atau apa-apa jua tanggungjawab kepada sesiapa sahaja untuk maklumat yang terkandung di dalam laporan ini atau bagi apa-apa representasi atau kenyataan di sini, sama ada secara tersurat atau tersirat, atau untuk apa-apa jawapan yang diberikan sebagai maklum balas kepada sebarang pertanyaan berhubung dengan laporan ini.

The data and information in this report represent a fair and reasonable overview of the whole electricity supply industry. Every effort has been made to verify, validate, and accurately represents the information in this report, based on the daily, monthly and yearly reports which were submitted by licensees pursuant to their licence conditions. As for Sarawak, information on the performance and statistics of utility in the state were submitted by *Sarawak Energy Berhad (SEB)* and the *Ministry of Utility and Telecommunication Sarawak* based on request by the Energy Commission.

The Commission in good faith publishes this information for the consumption of the public, in line with its function as stipulated under the Act. The Commission disclaims all or any responsibility whatsoever to anyone for information contained in this report or for any representation or statement herein, whether expressed or implied, or for any replies given in response to any queries in relation to this report.



ISI KANDUNGAN

Table of Contents

Ringkasan Eksekutif
Executive Summary

06

13

Peta Malaysia
Map of Malaysia

25

Prestasi Pembekalan
Elektrik di Semenanjung
Malaysia

Electricity Supply Performance
in Peninsular Malaysia

10

Malaysia Sepintas Lalu
Malaysia at a Glance

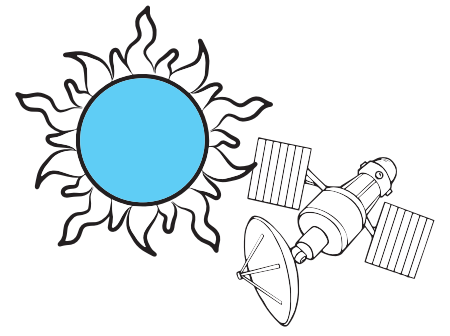
14

Ringkasan
Summary

40

Prestasi Pembekalan
Elektrik di Sabah
Electricity Supply Performance
in Sabah





Prestasi Pembekalan Elektrik di Sarawak
Electricity Supply Performance in Sarawak **47**

61 **Maklumat Industri Pembekalan Elektrik di Sabah**
Information on the Electricity Supply Industry in Sabah

74 **Peta Lokasi Stesen Jana Kuasa Utama dan Sistem Grid**
Location Maps of Major Power Stations and Grid Systems



52 **Maklumat Industri Pembekalan Elektrik Di Semenanjung**
Information on the Electricity Supply Industry in Peninsular Malaysia

69 **Maklumat Industri Pembekalan Elektrik di Sarawak**
Information on the Electricity Supply Industry in Sarawak

79 **Apendiks**
Appendix

Unit dan Akronim

Units and Acronyms

| Unit Units | |
|--------------------|---|
| cct-km | kilometer litar circuit kilometer |
| GWj GWh | Gigawatt jam Gigawatt hour |
| km | kilometer |
| kV | kilovolt |
| MVA | Megavolt Ampere |
| MW | Megawatt |
| MWj MWh | Megawatt jam Megawatt hour |
| Akronim Acronyms | |
| CAIDI | Customer Average Interruption Duration Index |
| CCGT | Turbin Gas Kitar Padu Combined Cycle Gas Turbine |
| Cogen | <i>Cogeneration</i> |
| DE | Enjin Diesel Diesel Engine |
| DePUI | <i>Delivery Point Unreliability Index</i> |
| DOSM | Jabatan Perangkaan Malaysia Department of Statistics Malaysia |
| EAF | Purata Faktor Kesediaan Setara Average Equivalent Availability Factor |
| EFB | Tandan Sawit Kosong Empty Fruit Bunch |
| EUOF | Purata Faktor Hentitugas Tidak Berjadual Setara Average Equivalent Unplanned Outage Factor |
| FIT | Tarif Galakan Feed-in Tariff |
| GE | Enjin Gas Gas Engine |
| IPP | Penjana Bebas Independent Power Producer |
| KDNK GDP | Keluaran Dalam Negara Kasar Gross Domestic Products |
| MUT | Kementerian Utiliti dan Telekomunikasi Sarawak Ministry of Utility and Telecommunication Sarawak |
| LSS | Solar Berskala Besar Large Scale Solar |
| MFO | <i>Medium Fuel Oil</i> |
| NEM | Pemeteran Tenaga Bersih Net Energy Metering |
| NUR | NUR Power Sdn. Bhd. |
| OCGT | Turbin Gas Kitar Terbuka Open Cycle Gas Turbine |
| OHL | Kabel Talian Atas Overhead Cable |
| POME | Efluen Kilang Kelapa Sawit Palm Oil Mill Effluent |
| PV | Fotovoltaik Photovoltaic |
| SAIDI | <i>System Average Interruption Duration Index</i> |
| SAIFI | <i>System Average Interruption Frequency Index</i> |
| SARFI | <i>System Average RMS Frequency Index</i> |
| SEB | Sarawak Energy Berhad |
| SEDA | Sustainable Energy Development Authority |
| SELCO | Menjana Elektrik Untuk Kegunaan Sendiri Generates Electricity For Self-Consumption |
| SESB | Sabah Electricity Sdn. Bhd. |
| SJ | Stesen Jana Kuasa Power Station |
| TBB RE | Tenaga Boleh Baharu Renewable Energy |
| TNB | Tenaga Nasional Berhad |
| WP | Wilayah Persekutuan Federal Territory |

RINGKASAN EKSEKUTIF

Executive Summary



RINGKASAN EKSEKUTIF

Executive Summary

Statistik Industri Pembekalan Elektrik Malaysia

Margin rizab sistem pada 2022 di Semenanjung Malaysia meningkat kepada 40%, berbanding 37% pada 2021. Kehendak maksimum tertinggi direkodkan pada 24 Mei 2022 iaitu sebanyak 19,183 MW. Sehingga 31 Disember 2022, keseluruhan kapasiti terpasang di Semenanjung Malaysia berjumlah 31,331 MW. Ini termasuk semua stesen jana kuasa utama yang bersambung dengan sistem Grid Nasional, sistem pengagihan dan sistem pemasangan persendirian.

Daripada kapasiti terpasang tersebut, 43.4% terdiri daripada loji jana kuasa gas, 38.9% loji jana kuasa arang batu, 16.8% loji jana kuasa tenaga boleh baharu (TBB) dan selebihnya 0.9% loji jana kuasa diesel dan sumber selain TBB yang terdiri daripada sisa perindustrian dan haba sisa perindustrian. Kapasiti terpasang TBB pada 2022 adalah sebanyak 5,271 MW, meningkat daripada 4,565.8 MW pada 2021.

Jumlah penjanaan elektrik pada 2022 di Semenanjung Malaysia adalah sebanyak 141,407 GWj, peningkatan 6% berbanding tahun sebelumnya. Dari segi campuran penjanaan pula, 51.2% merupakan arang batu, 38.5% gas asli, 8.2% TBB, 1.1% diesel dan 0.9% daripada sumber selain TBB yang terdiri daripada sisa perindustrian dan haba sisa perindustrian.

Pada 2022, Semenanjung Malaysia menyaksikan penamatan operasi Stesen Jana Kuasa Turbin Kitar Padu (CCGT), GB3 Sdn. Bhd. pada 30 Disember 2022, berikutan penamatan Perjanjian Pembelian Tenaga (PPA) selama 21 tahun dengan pihak Tenaga Nasional Berhad (TNB). Stesen yang terletak di Lumut, Perak dengan kapasiti 640 MW ini memulakan operasinya pada Disember 2001 sebagai Stesen Jana Turbin Kitar Terbuka (OCGT), sebelum ditukarkan kepada CCGT pada November 2002.

Di Sabah, kapasiti terpasang pada 2022 adalah sebanyak 1,993 MW, peningkatan 1% berbanding 1,970 MW pada tahun sebelumnya. Jumlah penjanaan di Sabah

Malaysian Electricity Supply Industry Statistics

The reserve margin in 2022 for Peninsular Malaysia increased to 40%, compared with 37% in 2021. The maximum demand recorded on 24th May 2022 which was 19,183 MW. As of 31 December 2022, the overall installed capacity in Peninsular Malaysia was 31,331 MW. This includes all main power stations connected to the National Grid system, distribution system and private installations.

From the installed capacity, 43.4% comprises gas power stations, 38.9% coal power stations, 16.8% renewable energy (RE) power stations and the remaining 0.9% diesel power stations and other than RE resources which constitute of industrial waste and industrial waste heat. Installed capacity of RE in 2022 was 5,271 MW, an increased from 4,565.8 MW in 2021.

Total electricity generated in 2022 in Peninsular Malaysia was 141,407 GWh, an increased by 6% from previous year. In terms of generation mix, 51.2% was coal, 38.5% natural gas, 8.2% RE, 1.1% diesel and 0.9% from other than RE resources which constitute of industrial waste and industrial waste heat.

In 2022, Peninsular Malaysia witnessed the decommissioning of a Combined Cycle Gas Turbine (CCGT) power station, GB3 Sdn. Bhd. on 30 December 2022, as the Power Purchase Agreement (PPA) of 21 years with Tenaga Nasional Berhad (TNB) ended. This station, which was located in Lumut, Perak with a capacity of 640 MW started its operation on December 2001 as an Open Cycle Gas Turbine (OCGT) power station, before converted to CCGT on November 2002.

In Sabah, the installed capacity in 2022 was 1,993 MW, an increase of 1% compared to 1,970 MW the previous year. The total generation in Sabah also increased 13% to 7,971 GWh, from 7,039 GWh in 2021.

In Sarawak, the installed capacity in 2022 was 6,474 MW, an increase of 5% from 6,147 MW the previous year.

juga meningkat sebanyak 13% kepada 7,971 GWj, daripada 7,039 GWj pada 2021.

Di Sarawak pula, kapasiti terpasang pada 2022 adalah sebanyak 6,474 MW, peningkatan sebanyak 5% daripada 6,147 MW pada tahun sebelumnya. Jumlah penjaan di Sarawak juga meningkat sebanyak 7% kepada 35,101 GWj, daripada 32,883 GWj pada 2021.

Jumlah penjualan tenaga elektrik pada 2022 adalah sebanyak 156,663 GWj, iaitu kenaikan sebanyak 7% berbanding tahun sebelumnya iaitu 146,778 GWj. Sektor perlombongan mencatatkan peningkatan paling tinggi iaitu sebanyak 23.2%, diikuti dengan sektor komersial (16.1%), sektor perindustrian (5.5%) dan lampu awam (3.0%). Ini berikutan peralihan ke fasa endemik menjelang separuh pertama 2022 di mana aktiviti perdagangan dan perkhidmatan telah kembali kepada normal. Berbeza pula dengan sektor pertanian yang mencatatkan pengurangan sebanyak 1.8% jika dibandingkan dengan tahun sebelumnya. Dari segi eksport pula, terdapat pengurangan sebanyak 16.2% berbanding tahun sebelumnya. Penjualan tenaga di Semenanjung Malaysia meningkat sebanyak 6%, manakala Sabah meningkat 7% dan Sarawak mencatat peningkatan tertinggi sebanyak 8%.

Prestasi Industri Pembekalan Elektrik Malaysia

Prestasi pembekalan elektrik di Malaysia diukur dengan menggunakan beberapa indikator bagi setiap peringkat yang terdiri daripada sistem penjaan, penghantaran dan pengagihan.

Bagi sistem penjaan di Semenanjung Malaysia, purata kecekapan terma bagi stesen jana kuasa merekodkan peningkatan 0.4% sehingga 7.6% berbanding tahun sebelumnya bagi stesen jana kuasa terma konvensional penjana bebas (IPP) dan stesen jana kuasa CCGT IPP. Di samping itu, Purata Faktor Ketersediaan Setara (EAF) bagi stesen jana kuasa terma konvensional IPP dan stesen jana kuasa OCGT TNB masing-masing meningkat sebanyak 4.7% dan 5.6% berbanding tahun sebelumnya. Purata tahap hentitugas akibat *forced and maintenance outages* dan *forced and maintenance deratings* yang diukur menggunakan Faktor Hentitugas Tidak Berjadual Setara (EUOF) rata-ratanya meningkat. Ini terutama bagi stesen jana kuasa terma konvensional IPP iaitu sebanyak 292%, diikuti oleh stesen jana kuasa hidro TNB (132%), stesen jana kuasa CCGT TNB (91.3%) dan stesen jana kuasa arang batu IPP (3.6%). Berbeza pula dengan stesen jana kuasa CCGT IPP dan OCGT TNB yang mencatatkan prestasi yang lebih baik

Total generation in Sarawak also increased 7% to 35,101 GWh, from 32,883 GWh in 2022.

The sales of electricity in 2022 was 156,663 GWh, which was an increment of 7% compared to the previous year with 146,778 GWh. The mining sector recorded the highest increment of 23.2% followed by commercial sector (16.1%), industrial sector (5.5%) and public lighting (3.0%). This is due to the transition to endemic phase for the first half of 2022, where trading activities and services has returned to normal. However, agriculture sector saw a decrease of 1.8% compared to the previous year. In terms of export, there was a decrease of 16.2% from previous year. The sales of electricity in Peninsular Malaysia increased by 6%, while Sabah increased by 7% and Sarawak recorded the highest increase of 8%.

The Performance Of The Malaysian Electricity Supply Industry

The performance of electricity supply in Malaysia is determined through the used of several indicators for each level which comprises of generation, transmission and distribution system.

For generation system in Peninsular Malaysia, the average thermal efficiency for power station recorded an increase between 0.4% to 7.6% from the previous year for independent power producers (IPP) thermal conventional power stations and IPP CCGT power stations. The average Equivalent Availability Factor (EAF) for IPP thermal conventional power stations and IPP OCGT power stations increased with 4.7% and 5.6% respectively from the previous year. The average level of outages due to forced and maintenance outages and forced and maintenance deratings, which was determined using Equivalent Unplanned Outage Factor (EUOF) saw an overall increase. This is especially with IPP thermal conventional power stations which increased by 292%, followed by TNB hydro power stations (132%), TNB CCGT (91.3%) and IPP coal power stations (3.6%). IPP CCGT and TNB OCGT however recorded a better performance with a decrease of 33% and 96% respectively from previous year.

For transmission system, the system minutes (Delivery Point Unreliability Index - DePUI) rose to 0.17 minute compared to 0.09 the previous year. Meanwhile, for distribution system, the System Average Interruption Duration Index (SAIDI) recorded an improvement to 45.06 minutes/customer/year, compared to 45.25 minutes/customer/year the previous year. This drop is

Ringkasan Eksekutif

Executive Summary

dengan penurunan masing-masing sebanyak 33% dan 96% berbanding tahun sebelumnya.

Bagi sistem penghantaran, sistem minit (*Delivery Point Unreliability Index* - DePUI) meningkat kepada 0.17 minit berbanding 0.09 minit pada tahun sebelumnya. Bagi sistem pengagihan pula, *System Average Interruption Duration Index* (SAIDI) mencatatkan penambahbaikan kepada 45.06 minit/pelanggan/tahun berbanding 45.25 minit/pelanggan/tahun pada tahun sebelumnya. Penurunan ini disebabkan oleh pengurangan gangguan bekalan pada voltan sederhana (6.6 kV – 33 kV) dan voltan rendah (1 kV dan ke bawah). Perkhidmatan yang lebih baik juga dapat dilihat daripada rekod *Customer Average Interruption Duration Index* (CAIDI) dan *System Average Interruption Frequency Index* (SAIFI), masing-masing mencatatkan 53.95 minit/pelanggan terlibat/tahun (2021: 58.31 minit/pelanggan terlibat/tahun) dan 0.84 bilangan gangguan/pelanggan/tahun (2021: 0.78 bilangan gangguan/pelanggan/tahun).

Bagi prestasi sistem penjanaan di Sabah, purata kecekapan terma merekodkan peningkatan sebanyak 29.6% bagi stesen jana kuasa CCGT Sabah Electricity Sdn. Bhd. (SESB). Stesen jana kuasa diesel IPP berada pada paras 40% selepas pengoperasian semula dua (2) stesen jana kuasa diesel iaitu Serudong pada Mac 2022 dan Stratavest pada Mei 2022, setelah tidak beroperasi dari 2018. Tahap EAF bagi stesen jana kuasa CCGT IPP, stesen jana kuasa CCGT SESB dan stesen jana kuasa hidro SESB masing-masing mencatatkan penurunan 4% hingga 7%. Tahap EUOF bagi Sabah pula meningkat bagi stesen jana kuasa CCGT SESB dan stesen jana kuasa CCGT IPP, masing-masing dengan 16% dan 25%, manakala peningkatan paling tinggi dicatat oleh stesen jana kuasa hidro SESB dengan 159%. Stesen jana kuasa diesel SESB pula menunjukkan prestasi yang lebih baik dengan penurunan sebanyak 18% berbanding tahun sebelumnya.

Prestasi sistem penghantaran di Sabah menunjukkan peningkatan ketara, di mana sistem minit (DePUI) meningkat 97% kepada 1.42 minit berbanding 40.74 minit pada 2021. Bagi sistem pengagihan pula, catatan SAIDI Sabah adalah 286.22 minit/pelanggan/tahun untuk 2022, 14% lebih baik daripada tahun sebelumnya iaitu 332.14 minit/pelanggan/tahun. Selain

due to the decrease of supply disruption at medium voltage level (6.6 kV – 33 kV) and low voltage (1 kV and below). An improvement is also visible in terms of Customer Average Interruption Duration Index (CAIDI) and System Average Interruption Frequency Index (SAIFI) which recorded 53.95 minutes/customer/year (2021: 58.31 minutes/customer/year) and 0.84 number of interruption/customer/year (2021: 0.78 number of interruption/customer/year) respectively.

For the generation system performance in Sabah, the average thermal efficiency rose to 29.6% for Sabah Electricity Sdn. Bhd. (SESB) CCGT power plants. IPP diesel power plants was at 40% after the recommissioning of two (2) diesel power plants which are Serudong on March 2022 and Stratavest on May 2022, after not operating from 2018. The EAF for IPP CCGT, SESB CCGT and SESB hydro power plants recorded a decrease between 4% to 7% respectively. The EUOF in Sabah on the other hand increased for SESB CCGT and IPP CCGT, with 16% and 25% respectively, while the highest increment recorded by SESB hydro power plants with 159%. In contrast, SESB diesel power plants shown a better performance with a decrease of 18% compared to the previous year.

The performance of the transmission system in Sabah has increased significantly, where system minutes (DePUI) escalated by 97% to 1.42 minute compared to 40.74 minute in 2021. While for distribution system performance, the SAIDI for Sabah was 286.22 minutes/customer/year in 2022, 14% improvement from the previous year which was 332.14 minute/customer/year. Other than that, the record for CAIDI and SAIFI also improved, with 11.07 minute/effected customer/year (2021: 29.27 minute/effected customer/year and 29.27 number of interruptions/customer/year (2021: 12.10 number of interruptions/customer/year) respectively.

In Sarawak, for the generation system performance, the average thermal efficiency for power plants recorded an increase from 11% to 29% for CCGT and diesel power plants. The average EAF in overall shown an decrease between 2% to 18% for OCGT, diesel, coal and hydro power plants. The average level of outage due to forced and maintenance outages and forced and maintenance deratings in overall shown an increment for hydro

itu, CAIDI dan SAIFI juga mencatatkan rekod yang lebih baik, masing-masing dengan 11.07 minit/pelanggan terlibat/tahun (2021: 29.27 minit/pelanggan terlibat/tahun) dan 29.27 bilangan gangguan/pelanggan/tahun (2021: 12.10 bilangan gangguan/pelanggan /tahun).

Di Sarawak, bagi prestasi sistem penjanaan, purata kecekapan terma bagi stesen jana kuasa merekodkan peningkatan daripada 11% kepada 29% bagi stesen jana kuasa CCGT dan diesel. Purata EAF secara keseluruhannya menunjukkan penurunan 2% hingga 18% bagi stesen jana kuasa OCGT, diesel, arang batu dan hidro. Purata tahap hentitugas akibat *forced and maintenance outages* dan *forced and maintenance deratings* secara keseluruhannya menunjukkan peningkatan di mana stesen jana kuasa hidro pada 1.35%, diikuti dengan stesen jana kuasa arang batu dengan 20.86% dan stesen jana kuasa OCGT pada 38.33%.

Prestasi sistem penghantaran di Sarawak meningkat dengan ketara pada 2022 kepada 0.69 minit berbanding 14.64 minit pada tahun sebelumnya. Bagi sistem pengagihan pula, SAIDI bagi Sarawak merekodkan catatan yang lebih baik dengan 75.32 minit/pelanggan/tahun, penurunan sebanyak 11% berbanding tahun sebelumnya dengan 84.78 minit/pelanggan/tahun.

power plants at 1.35%, followed by coal power plants at 20.86% and OCGT power plants at 38.33%.

The performance for transmission system in Sarawak increased significantly in 2022 to 0.69 minute from 14.64 minute the previous year. Meanwhile for distribution system, the SAIDI for Sarawak recorded an improved figure of 75.32 minute/customer/year, decreased by 11% from the previous year which was 84.78 minute/customer/year.

Malaysia Sepintas Lalu

Malaysia at a Glance

| Tahun Year | 2018 | 2019 | 2020 | 2021 ^e | 2022 ^p |
|--|-----------|-----------|-----------|-------------------|-------------------|
| Penduduk (Juta) Population (Million) | | | | | |
| Jumlah ('000) Total ('000) | 32.4 | 32.5 | 32.6 | 32.7 | 32.7 |
| Lelaki Male | 16.7 | 16.8 | 16.8 | 16.8 | 17.0 |
| Perempuan Female | 15.7 | 15.7 | 15.8 | 15.6 | 15.7 |
| KDNK GDP | | | | | |
| KDNK Pada Harga Semasa (RM juta) GDP at Current Prices (RM million) | 1,447,760 | 1,512,738 | 1,418,491 | 1,548,898 | 1,791,358 |
| KDNK pada Harga Malar 2015 (RM juta) GDP at Constant 2015 Prices (RM million) | 1,229,312 | 1,300,769 | 1,363,766 | 1,423,952 | 1,346,249 |
| Perubahan Tahunan (%) Annual Change (%) | 9.8 | 5.5 | 4.5 | -6.2 | 9.2 |
| Guna Tenaga Employment | | | | | |
| Tenaga Buruh ('000 orang) Labour Force ('000 person) | 15,280.3 | 15,581.6 | 15,667.7 | 15,797.2 | 16,022.10 |
| Kadar Pengangguran (%) Unemployment Rate (%) | 3.3 | 3.3 | 4.5 | 4.6 | 3.9 |

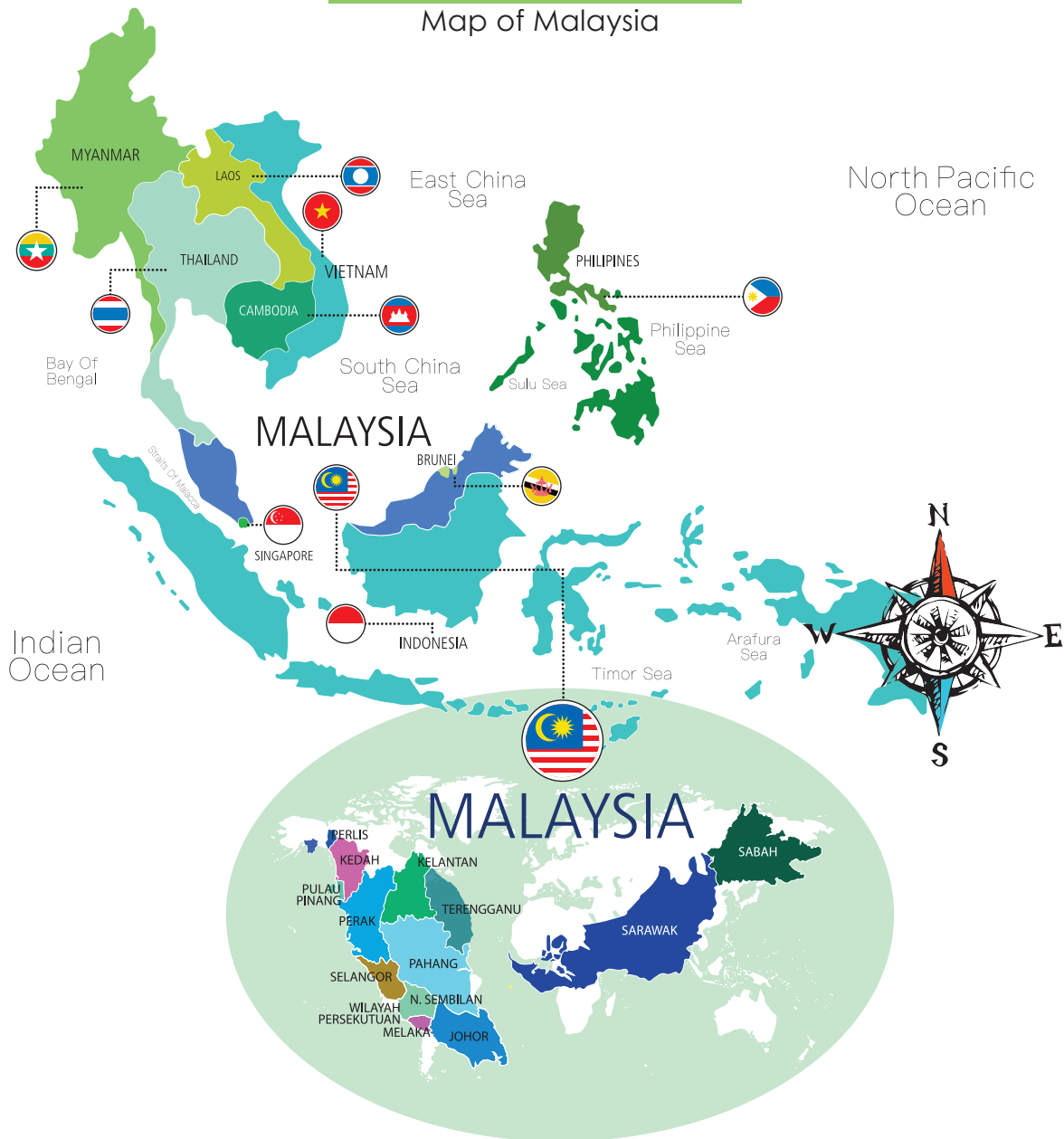
Nota | Note:

^e = anggaran / estimation

^p = awalan / preliminary

Peta Malaysia

Map of Malaysia



Negeri-negeri di Malaysia:

States in Malaysia:

- | | | |
|-----------------|----------------------|-------------------|
| 1. Kedah | 6. Terengganu | 11. WP Putrajaya* |
| 2. Perlis | 7. Pahang | 12. Melaka |
| 3. Pulau Pinang | 8. Selangor | 13. Johor |
| 4. Perak | 9. Negeri Sembilan | 14. Sarawak |
| 5. Kelantan | 10. WP Kuala Lumpur* | 15. Sabah |
| | | 16. WP Labuan* |

Nota | Note:

*WP - Wilayah Persekutuan Federal Territory

Keluasan | Area*

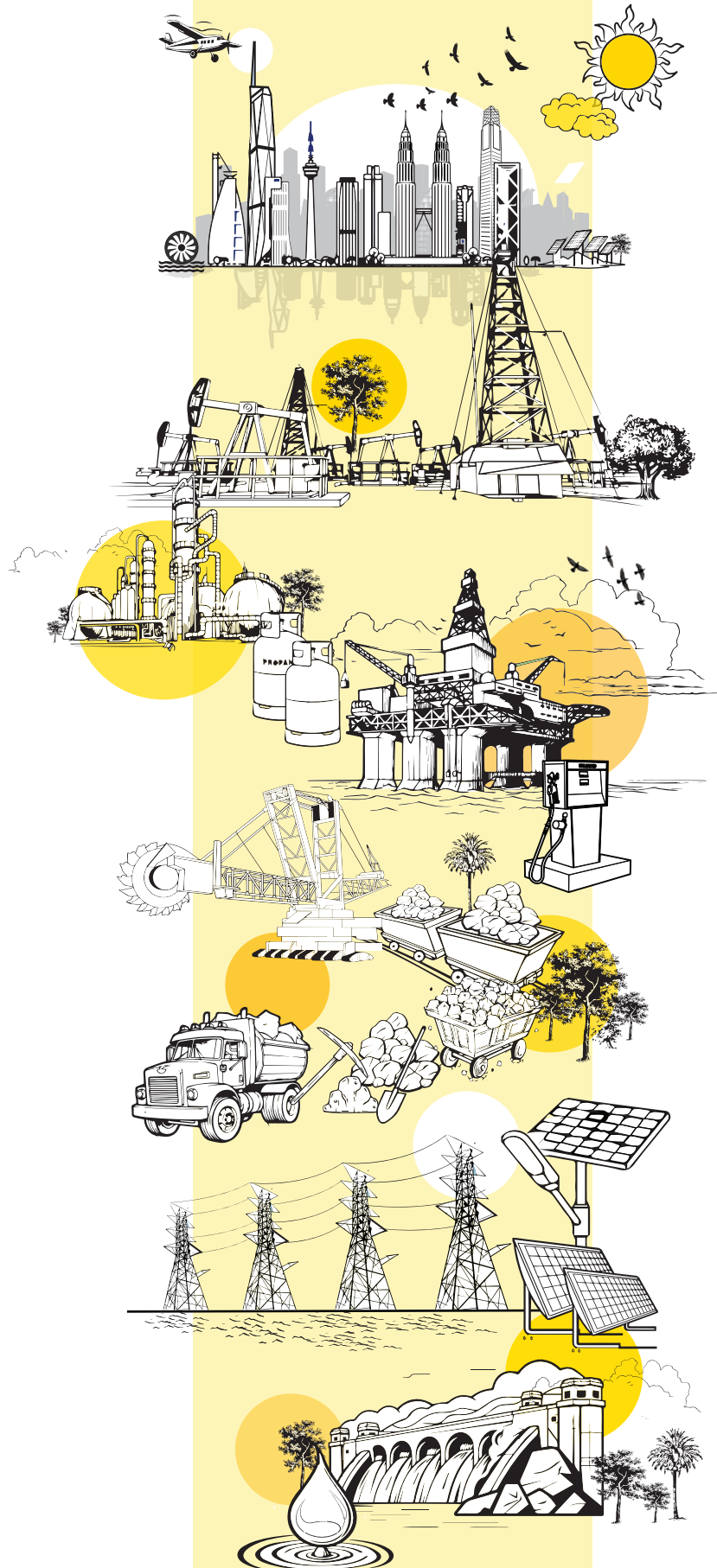
330,855.01 km²

Rujukan | Reference:

Buku Tahunan Perangkaan Malaysia 2022, Jabatan Perangkaan Malaysia
 Malaysia Statistics Yearbook 2022, Department of Statistics Malaysia

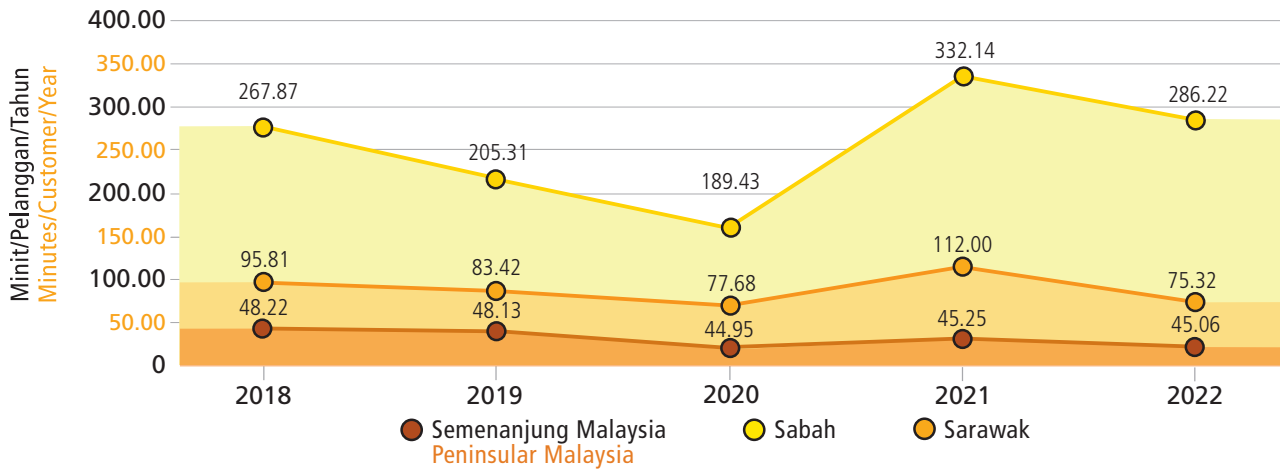
RINGKASAN

Summary

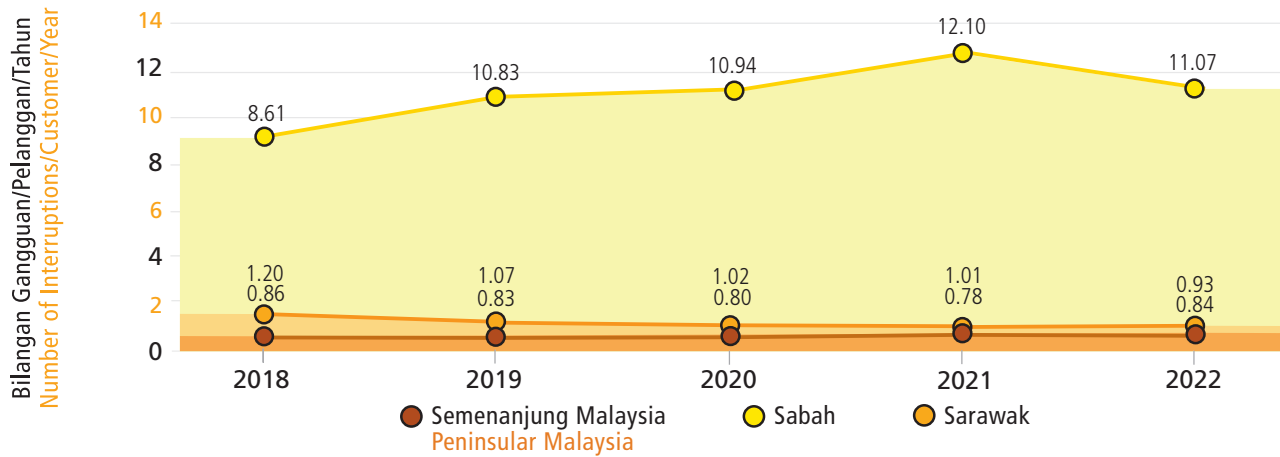


SAIDI, SAIFI & CAIDI

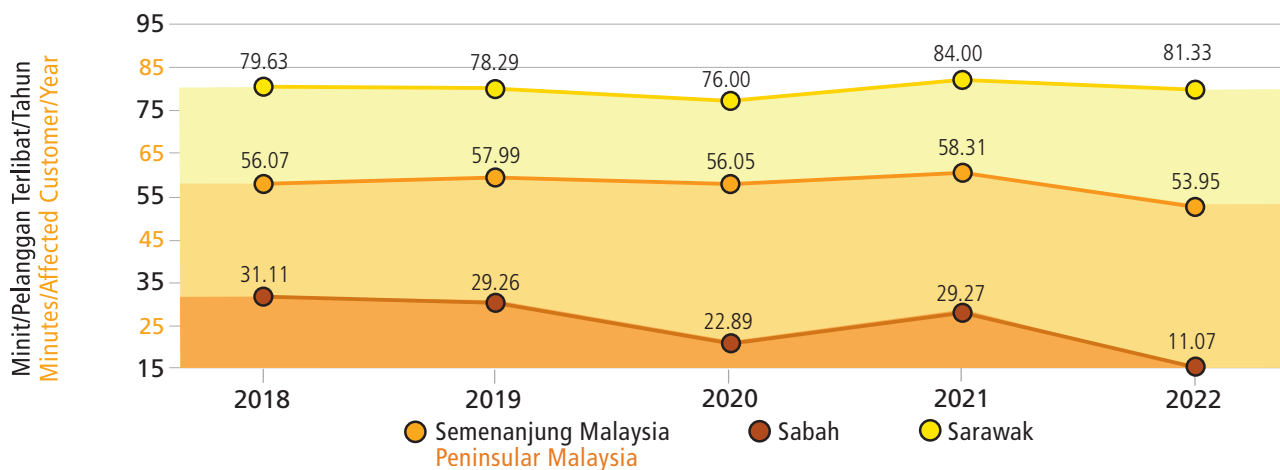
SAIDI (2018-2022)



SAIFI (2018-2022)



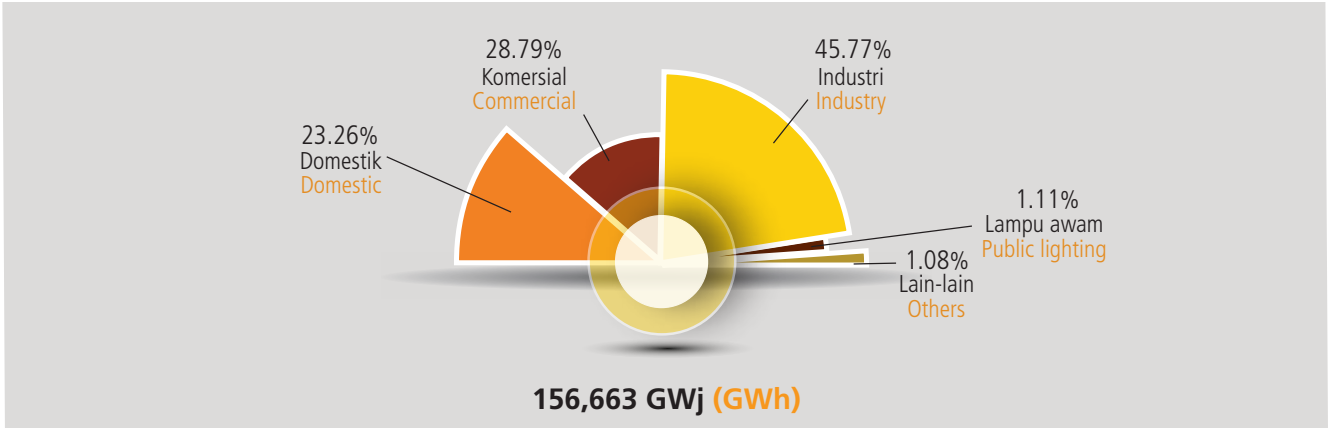
CAIDI (2017-2022)



Penggunaan Elektrik

Electricity Consumption

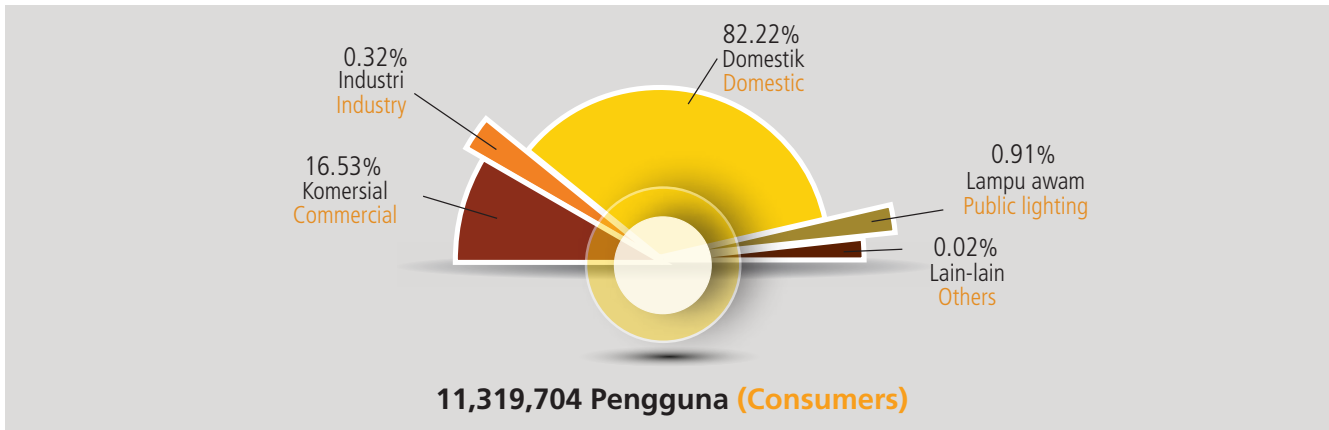
Penggunaan Elektrik Mengikut Sektor (GWj)
Electricity Consumption by Sector (GWh)



Nota | Note:

Sektor komersial adalah termasuk unit percuma. Commercial sector includes free units.
Lain-lain: Perlombongan, Pertanian dan Eksport. Others: Mining, Agriculture and Export.

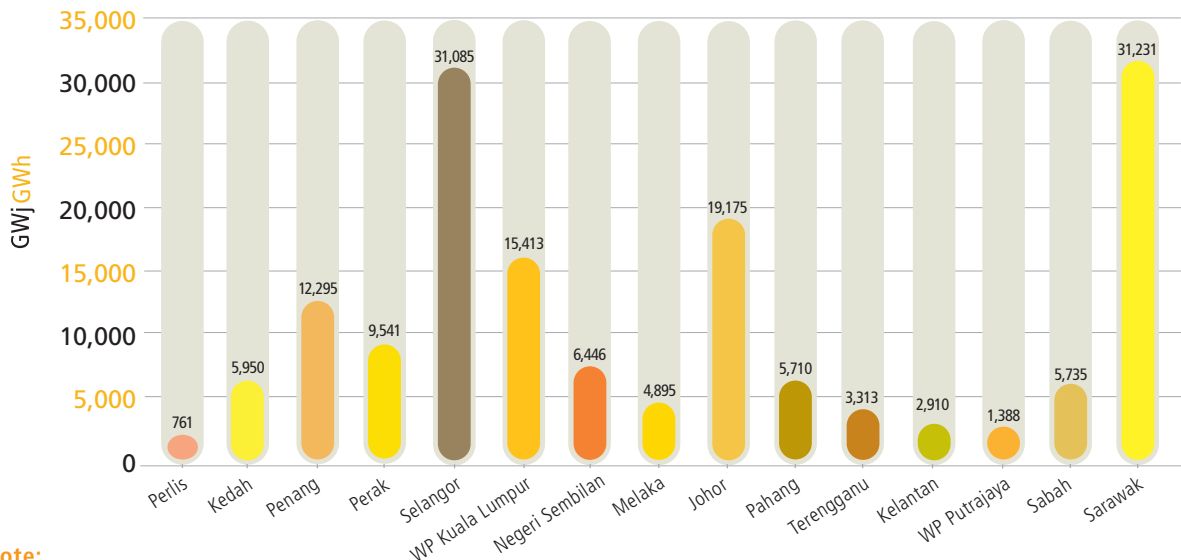
Jumlah Pengguna Mengikut Sektor
Number of Consumers by Sector



Nota | Note:

Sektor komersial adalah termasuk unit percuma. Commercial sector includes free units.
Lain-lain: Perlombongan dan Pertanian. Others: Mining and Agriculture.

Penggunaan Elektrik Mengikut Negeri
Electricity Consumption by State



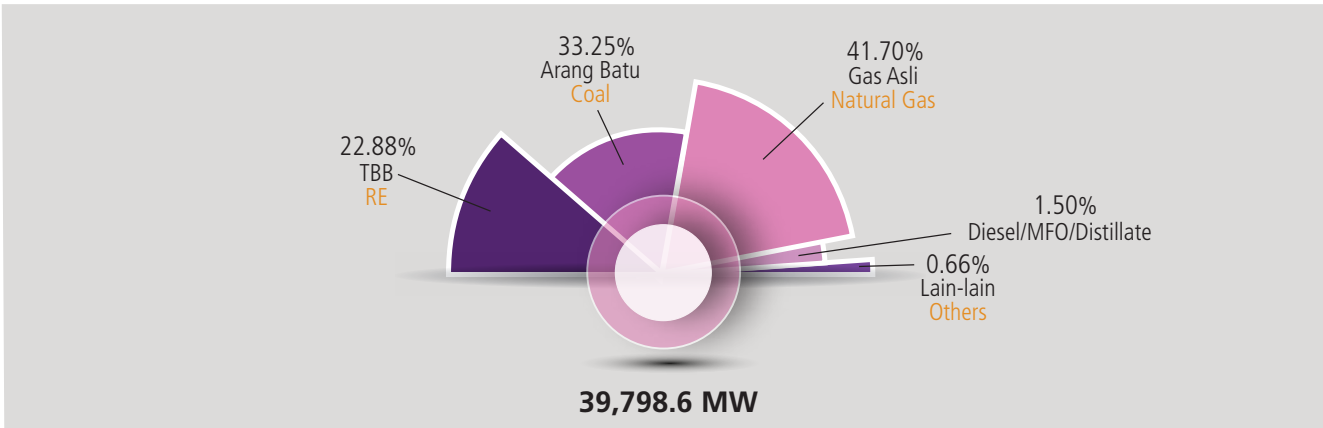
Nota | Note:

Tidak termasuk eksport. Excluding export.

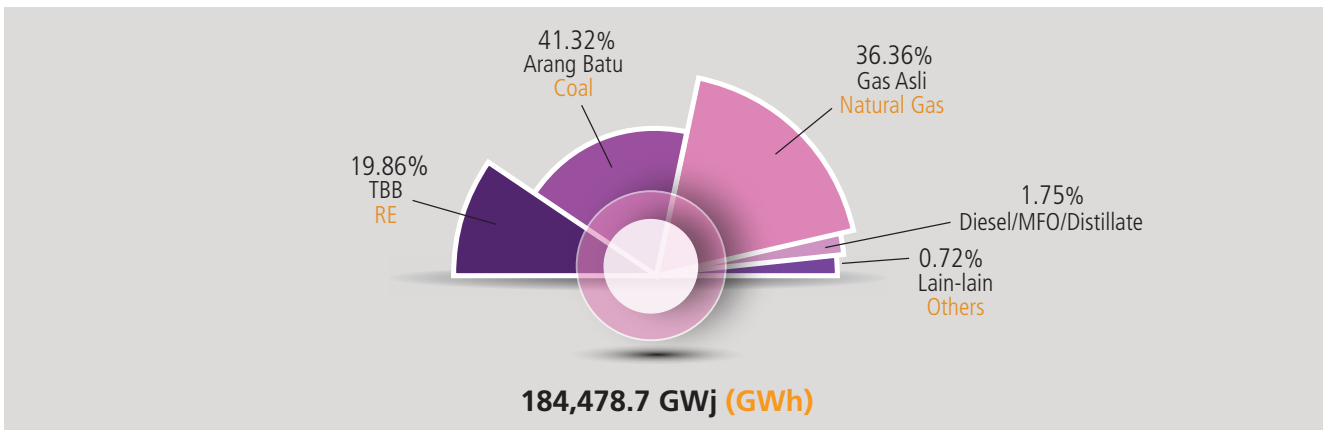
Kapasiti Terpasang dan Penjanaan Elektrik Mengikut Sumber Tenaga

Installed Capacity and Electricity Generation by Energy Source

Kapasiti Terpasang Mengikut Sumber Tenaga Installed Capacity by Energy Source



Penjanaan Elektrik Mengikut Sumber Tenaga Electricity Generation by Energy Source



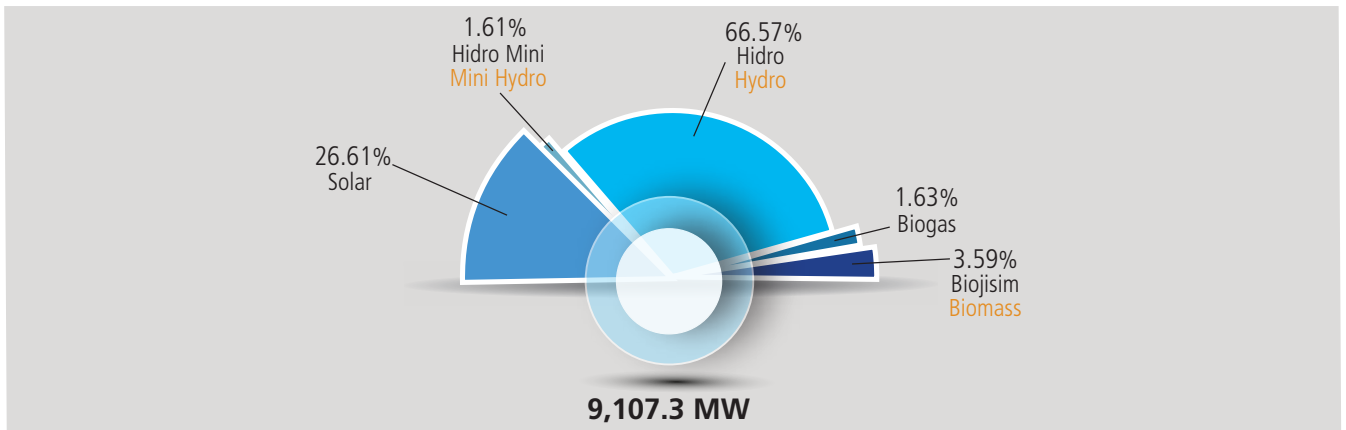
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and off-grid power plants.
2. Lain-lain terdiri daripada haba sisa proses perindustrian dan sumber tenaga bukan tenaga boleh baharu (TBB).
Others consists of industrial process waste heat and other non-renewable energy (RE) resources.

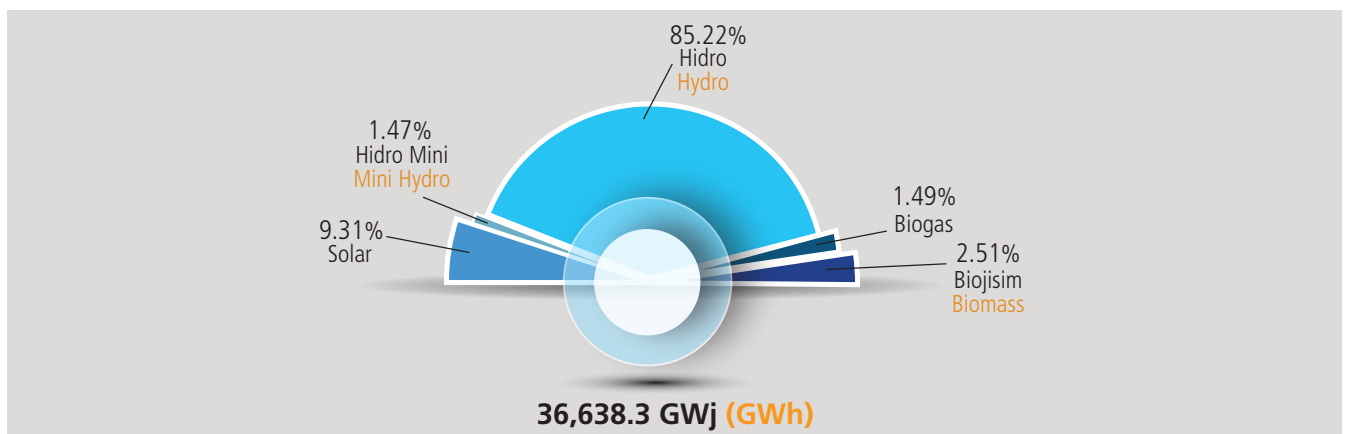
Kapasiti Terpasang dan Penjanaan Elektrik TBB Mengikut Sumber Tenaga

Installed Capacity and Electricity Generation of RE by Energy Source

Kapasiti Terpasang Mengikut Sumber Tenaga - TBB Installed Capacity by Energy Source - RE



Penjanaan Elektrik mengikut Sumber Tenaga - TBB Electricity Generation by Energy Source - RE



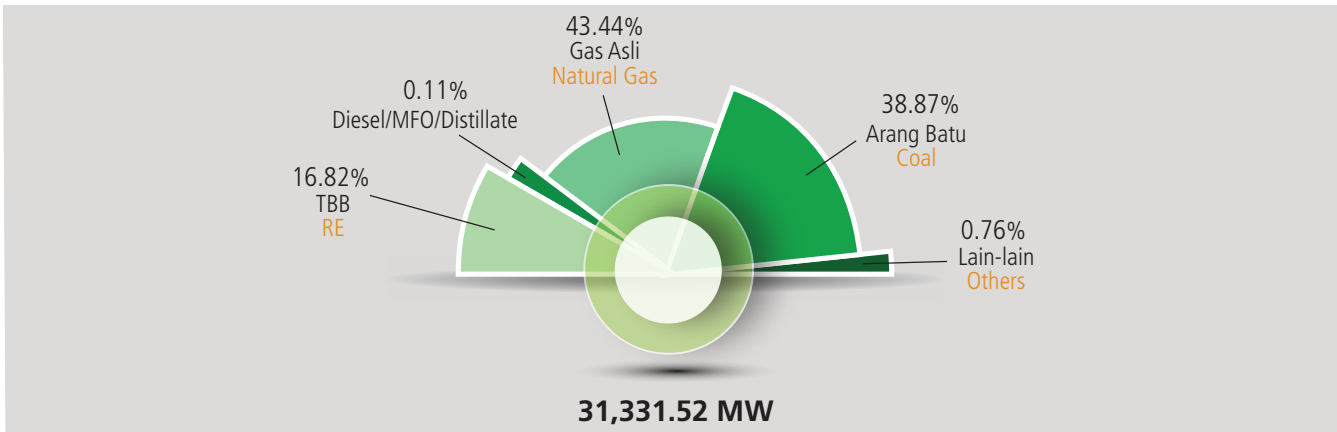
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and *off-grid* power plants.

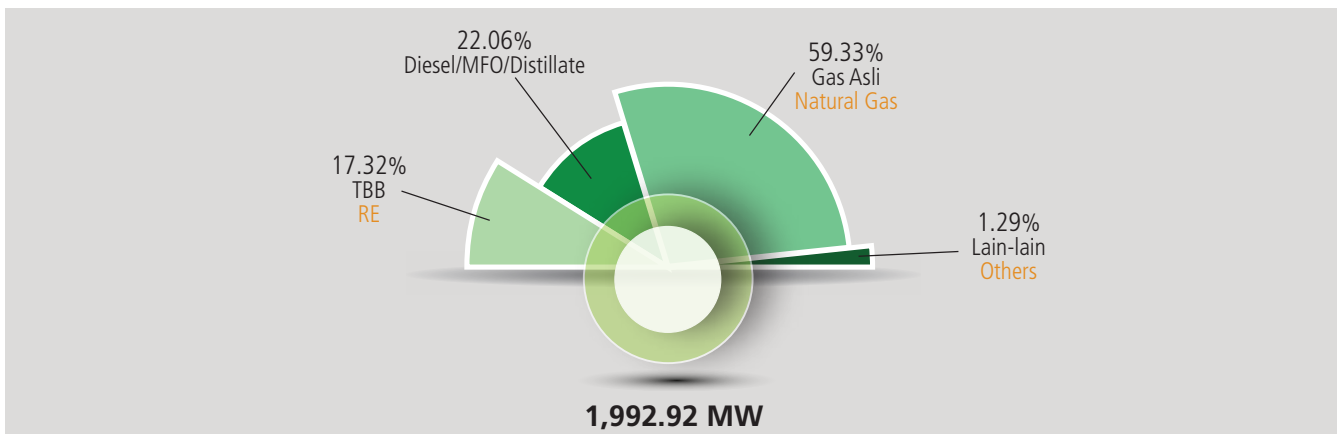
Kapasiti Terpasang Mengikut Kawasan dan Sumber Tenaga

Installed Capacity by Region and Energy Source

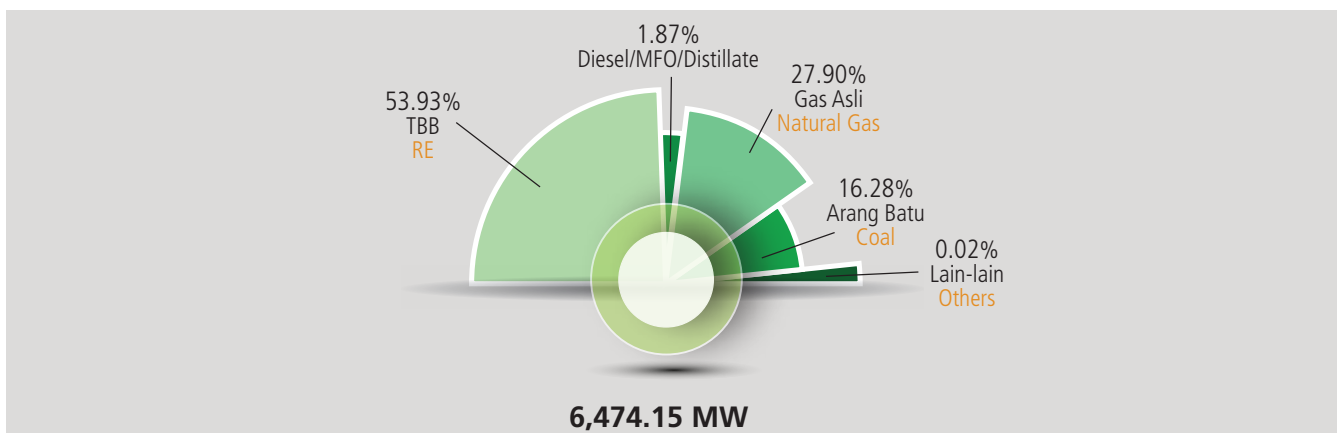
Semenanjung Malaysia Peninsular Malaysia



Sabah



Sarawak



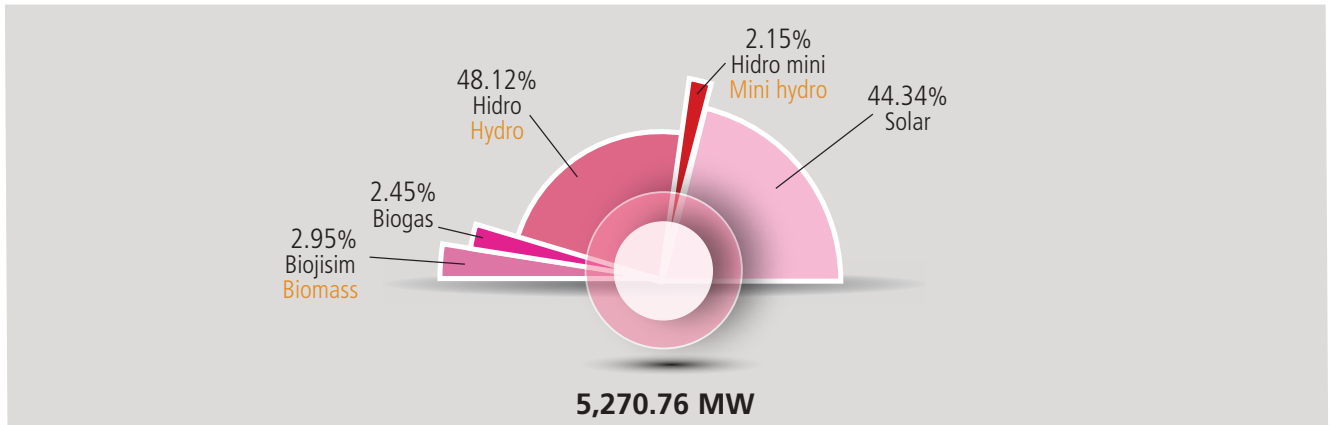
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and off-grid power plants.
2. Lain-lain terdiri daripada haba sisa proses perindustrian dan sumber tenaga bukan TBB.
Others consists of industrial process waste heat and other non-RE resources.

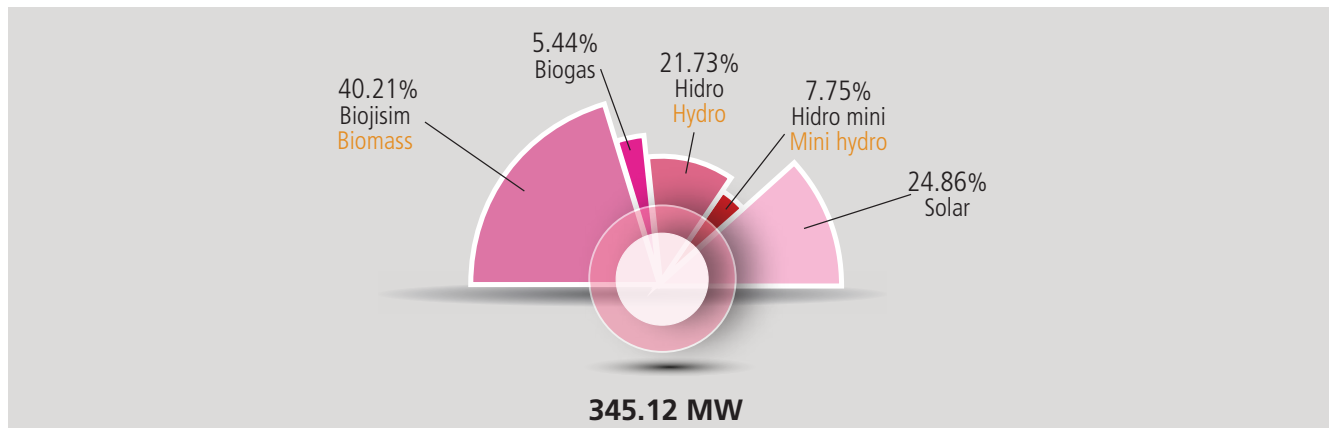
Kapasiti Terpasang TBB Mengikut Kawasan dan Sumber Tenaga

Installed Capacity of RE by Region and Energy Source

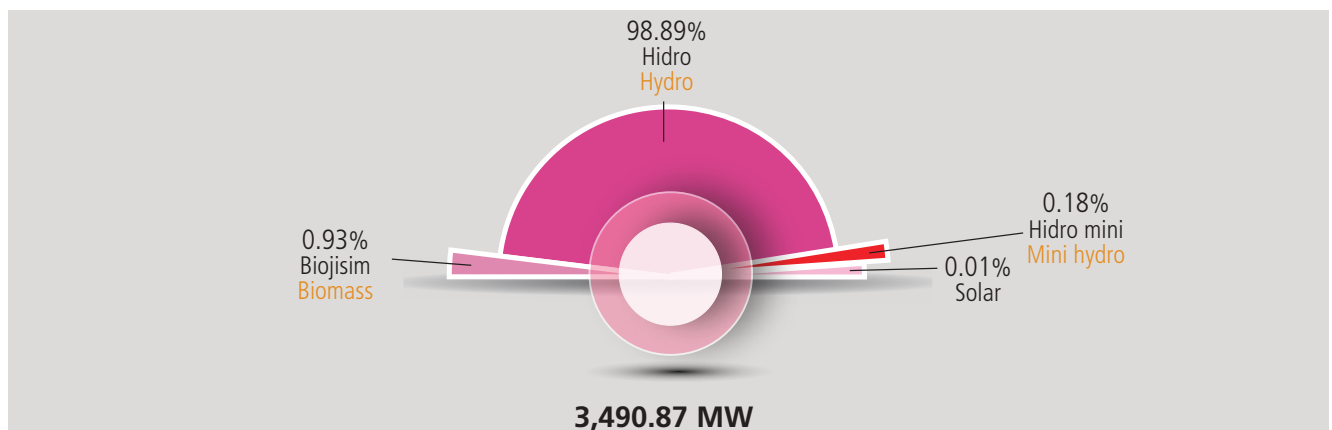
Semenanjung Malaysia Peninsular Malaysia



Sabah



Sarawak



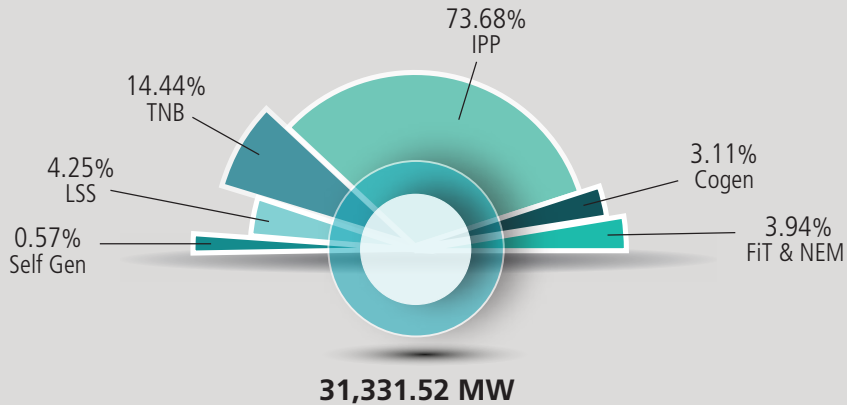
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and *off-grid* power plants.
2. Lain-lain terdiri daripada haba sisa proses perindustrian dan sumber tenaga bukan TBB.
Others consists of industrial process waste heat and other non-RE resources.

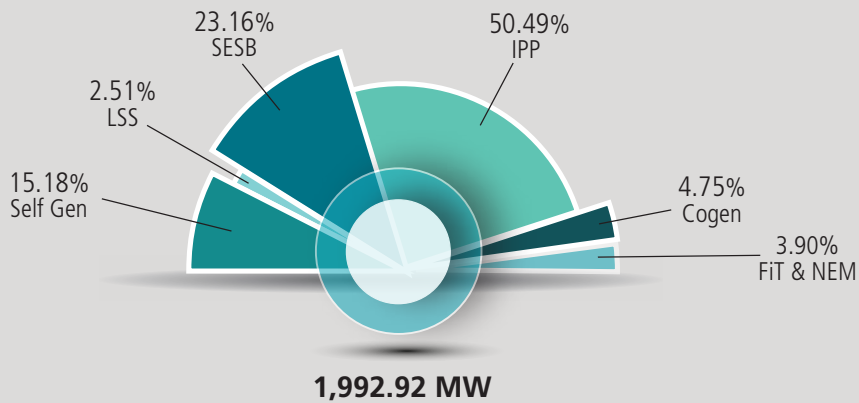
Kapasiti Terpasang Mengikut Kawasan dan Kategori Penjana

Installed Capacity by Region and Producers

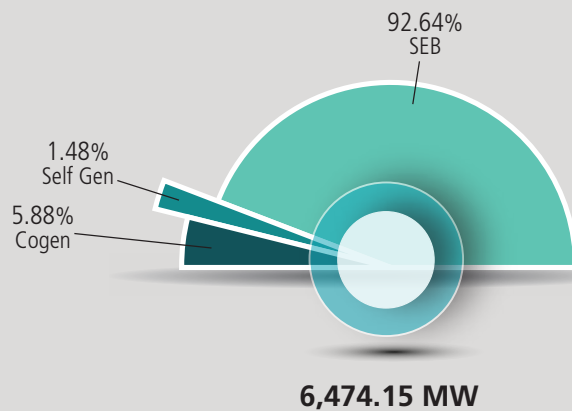
Semenanjung Malaysia Peninsular Malaysia



Sabah



Sarawak



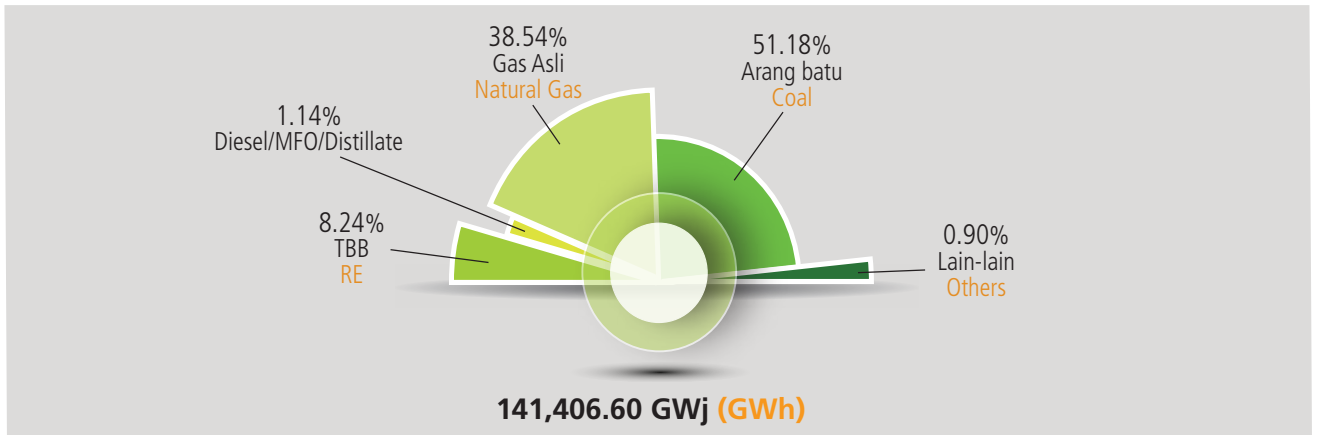
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and *off-grid* power plants.
2. Lain-lain terdiri daripada haba sisa proses perindustrian dan sumber tenaga bukan TBB.
Others consists of industrial process waste heat and other non-RE resources.

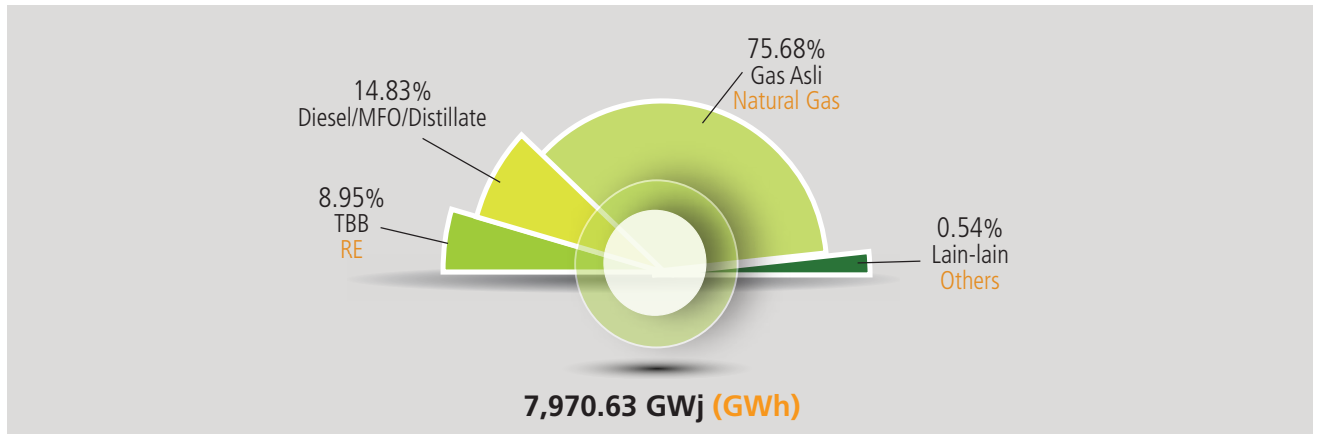
Penjanaan Mengikut Kuasa dan Sumber Tenaga

Generation by Region and Energy Source

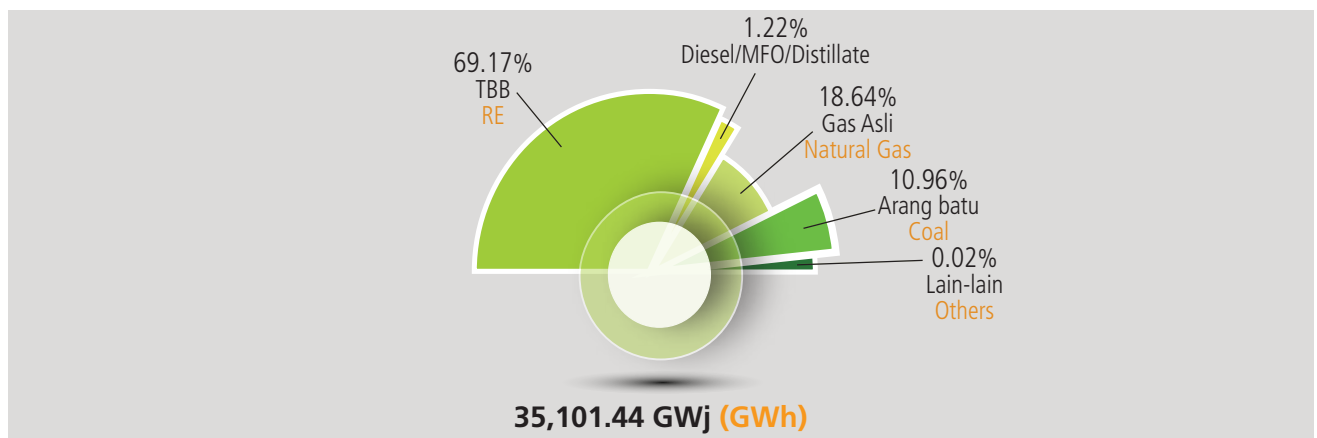
Semenanjung Malaysia Peninsular Malaysia



Sabah



Sarawak



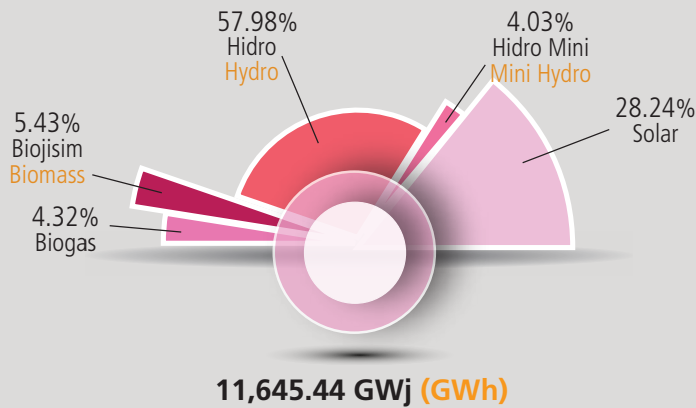
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and *off-grid* power plants.
2. Lain-lain adalah terdiri daripada haba sisa proses perindustrian dan sumber tenaga bukan TBB.
Others consists of industrial process waste heat and other non-RE resources.

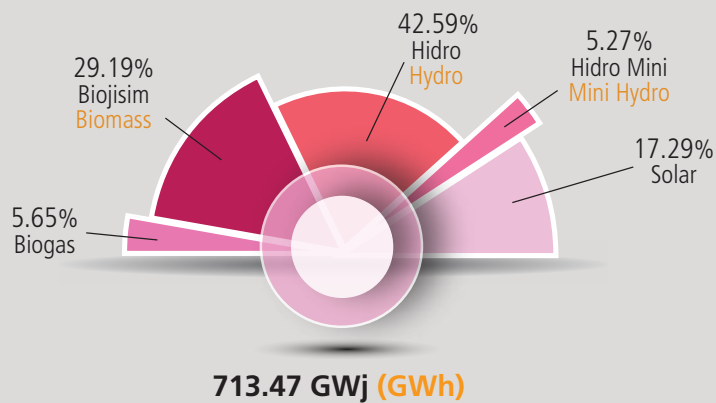
Penjanaan TBB Mengikut Kawasan dan Sumber Tenaga

RE Generation by Region and Energy Source

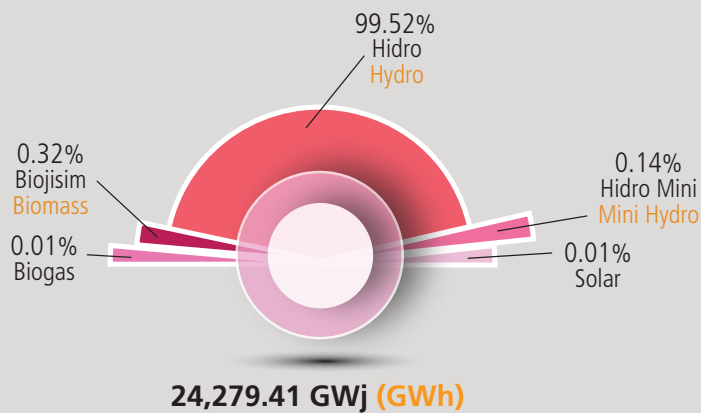
Semenanjung Malaysia Peninsular Malaysia



Sabah



Sarawak



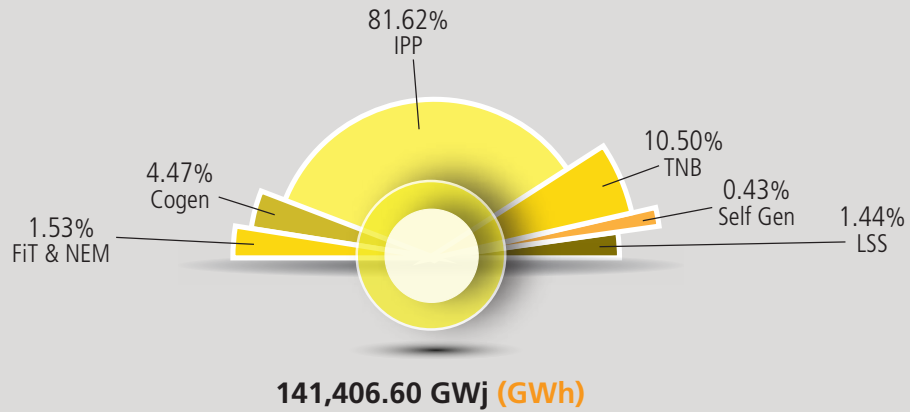
Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and *off-grid* power plants.
2. Lain-lain terdiri daripada haba sisa proses perindustrian dan sumber tenaga bukan TBB.
Others consists of industrial process waste heat and other non-RE resources.

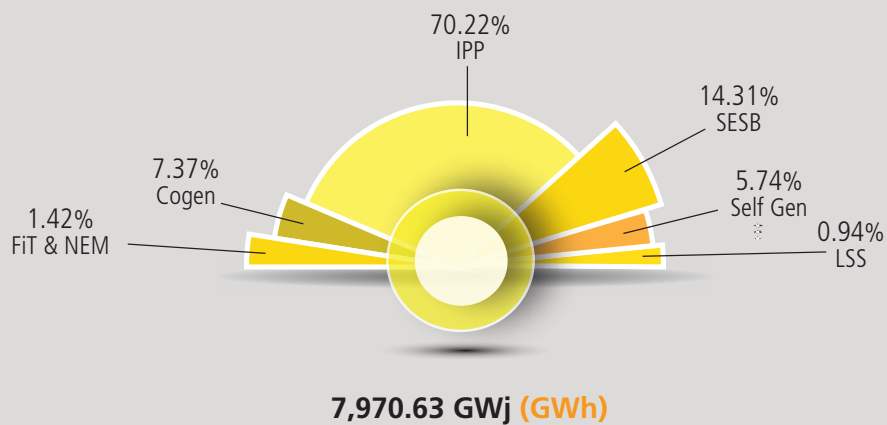
Penjanaan Mengikut Kawasan dan Kategori Penjana

Generation by Region and Producers

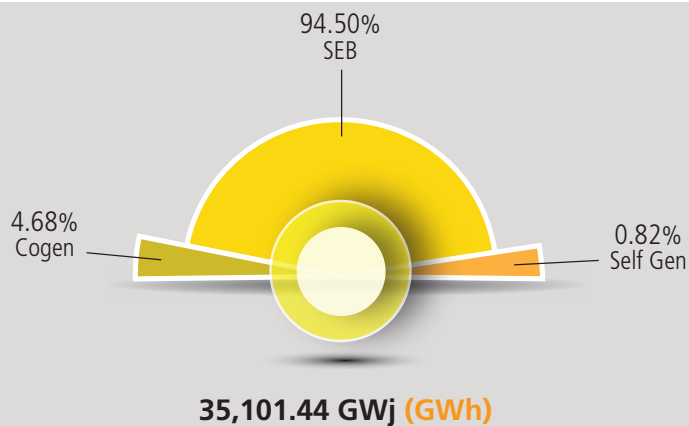
Semenanjung Malaysia Peninsular Malaysia



Sabah



Sarawak



Nota | Note:

1. Termasuk kapasiti daripada stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*.
Including the capacity from distribution level and *off-grid* power plants.

PRESTASI PEMBEKALAN ELEKTRIK DI SEMENANJUNG MALAYSIA

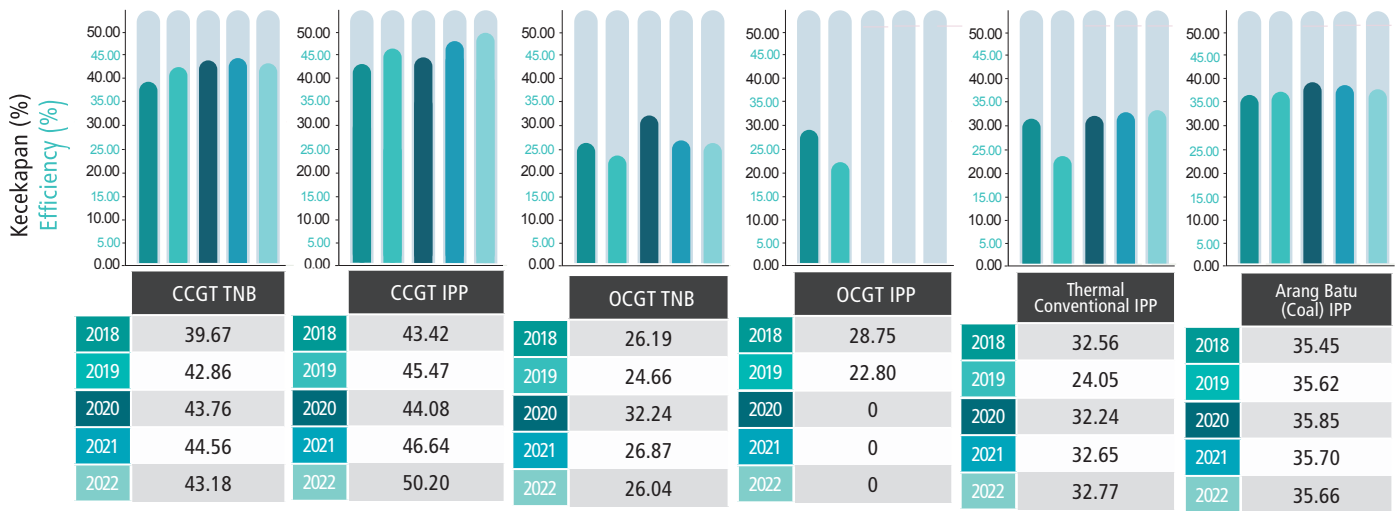
Electricity Supply Performance in Peninsular Malaysia



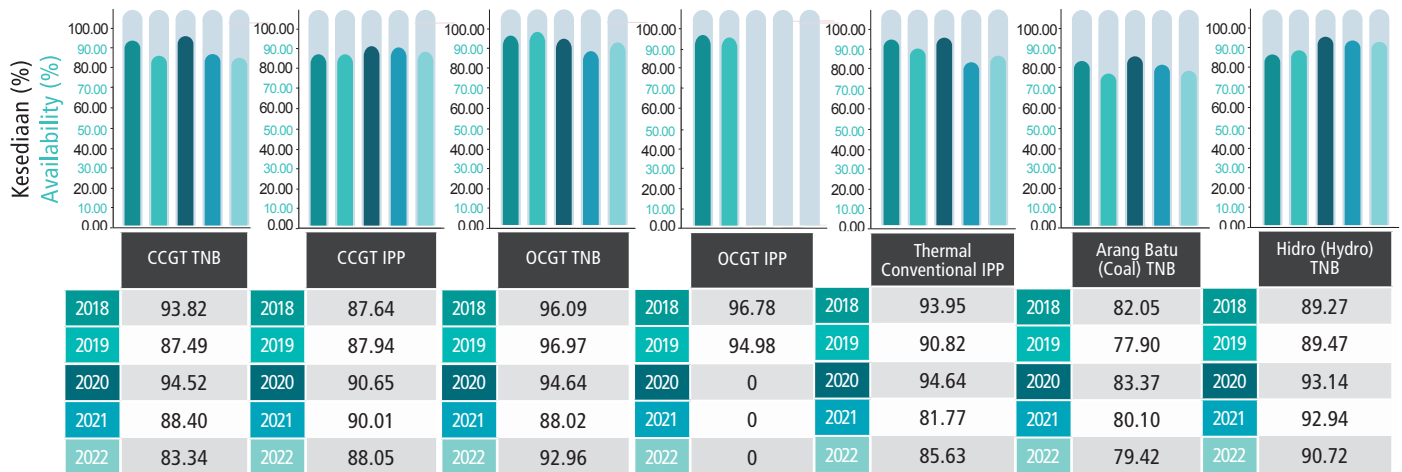
Prestasi Sistem Penjanaan Di Semenanjung Malaysia

Generation System Performance In Peninsular Malaysia

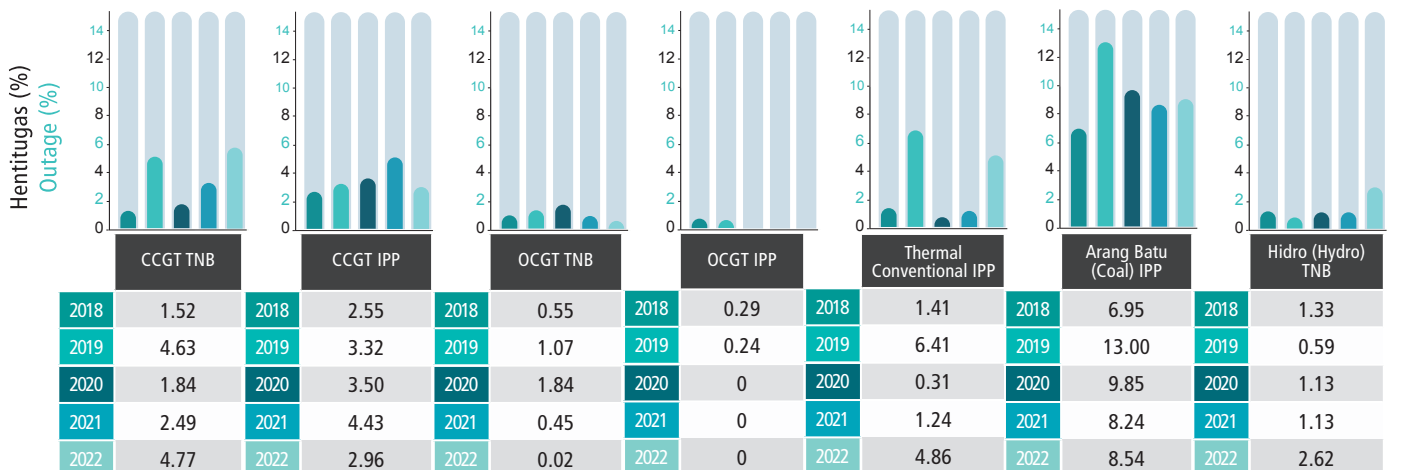
Carta 1: Purata Kecekapan Terma Stesen Jana Kuasa TNB dan IPP
Chart 1: Average Thermal Efficiency of TNB and IPP Power Plants



Carta 2: EAF Stesen Jana Kuasa TNB dan IPP
Chart 2: EAF of TNB and IPP Power Plants



Carta 3: EUOF Stesen Jana Kuasa TNB dan IPP
Chart 3: EUOF of TNB and IPP Power Plants



Prestasi Sistem Penghantaran di Semenanjung Malaysia

Transmission System Performance in Peninsular Malaysia

Jadual 1: Pelantikan Sistem Penghantaran TNB dengan Kehilangan Beban Sebanyak 50 MW dan ke Atas
Table 1: TNB Transmission System Trippings with Load Loss of 50 MW and Above

| Petunjuk Indicator | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|-------|-------|------|------|----------|
| Bilangan Pelantikan Tanpa Lucutan Beban Number of Trippings Without Load Shedding | 5 | 2 | 1 | - | 2 |
| Tenaga yang Tidak Dibekalkan Semasa Pelantikan (MWj) Unsupplied Energy During Trippings (MWh) | 35.05 | 45.78 | 0.95 | - | 64.77 |
| Bilangan Pelantikan dengan Lucutan Beban Number of Trippings with Load Shedding | - | - | - | - | 1 |
| Tenaga yang Tidak Dibekalkan Semasa Lucutan Beban (MWj) Unsupplied Energy During Load Shedding (MWh) | - | - | - | - | 3,189.32 |

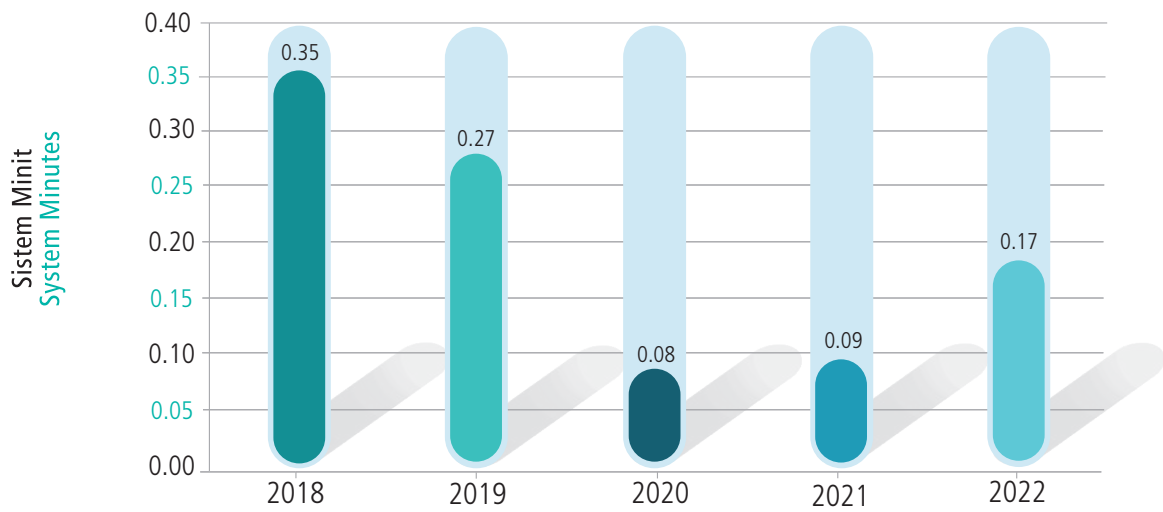
Jadual 2: Pelantikan Bulanan Sistem Penghantaran TNB dengan Kehilangan Beban 50 MW dan ke Atas
Table 2: TNB Monthly Transmission System Trippings with Load Loss of 50 MW and Above

| 2022 | | | | | | | | | | | | |
|--|-----|-----|-----|-----|-----|------|----------|-----|------|-------|-------|-----|
| Petunjuk Indicator | Jan | Feb | Mar | Apr | May | June | July | Aug | Sept | Oct | Nov | Dec |
| Bilangan Pelantikan Tanpa Lucutan Beban Number of Trippings Without Load Shedding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 |
| Bilangan Pelantikan dengan Lucutan Beban Number of Trippings with Load Shedding | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 |
| Kehilangan Beban Maksimum (MW) Maximum Load Losses (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 2,200.00 | 0 | 0 | 56.40 | 51.70 | 0 |
| Tenaga yang Tidak Dibekalkan Semasa Pelantikan (MWj) Unsupplied Energy During Trippings (MWh) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 46.67 | 18.10 | 0 |
| Purata Tenaga Tidak Dibekalkan Setiap Pelantikan (MWj) Average Unsupplied Energy During Trippings (MWh) | 0 | 0 | 0 | 0 | 0 | 0 | 227.81 | 0 | 0 | 3.59 | 0.52 | 0 |
| Purata Tempoh Setiap Pelantikan (Minit) Average Duration Per Tripping (Minutes) | 0 | 0 | 0 | 0 | 0 | 0 | 9.50 | 0 | 0 | 6.58 | 13.60 | 0 |
| Tenaga Tidak Dibekalkan Semasa Lucutan Beban (MWj) Unsupplied Energy During Load Shedding (MWh) | 0 | 0 | 0 | 0 | 0 | 0 | 3,189.32 | 0 | 0 | 0 | 0 | 0 |

Prestasi Sistem Pengantaran di Semenanjung Malaysia

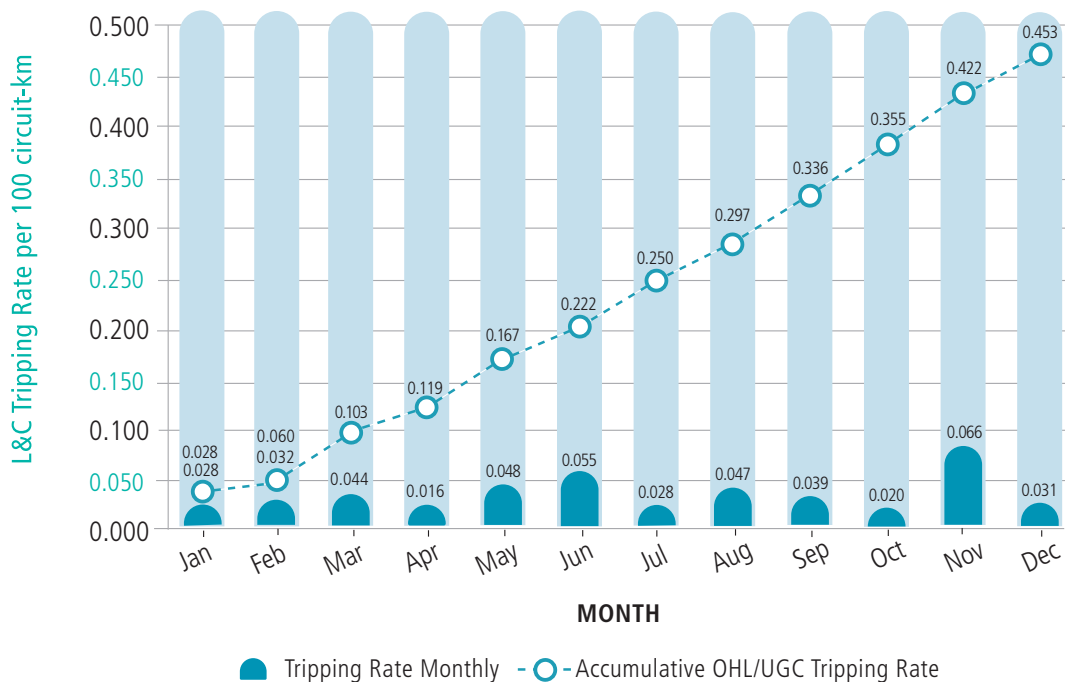
Transmission System Performance in Peninsular Malaysia

Carta 4: DePUI - Minit Sistem TNB
Chart 4: DePUI – TNB System Minutes



Carta 5: Insiden Pelantikan Bulanan TNB Bagi Talian/Kabel Per 100 cct-km di Semenanjung Malaysia

Chart 5: TNB Monthly Tripping Incidents for Lines/Cables Per 100 cct-km in Peninsular Malaysia

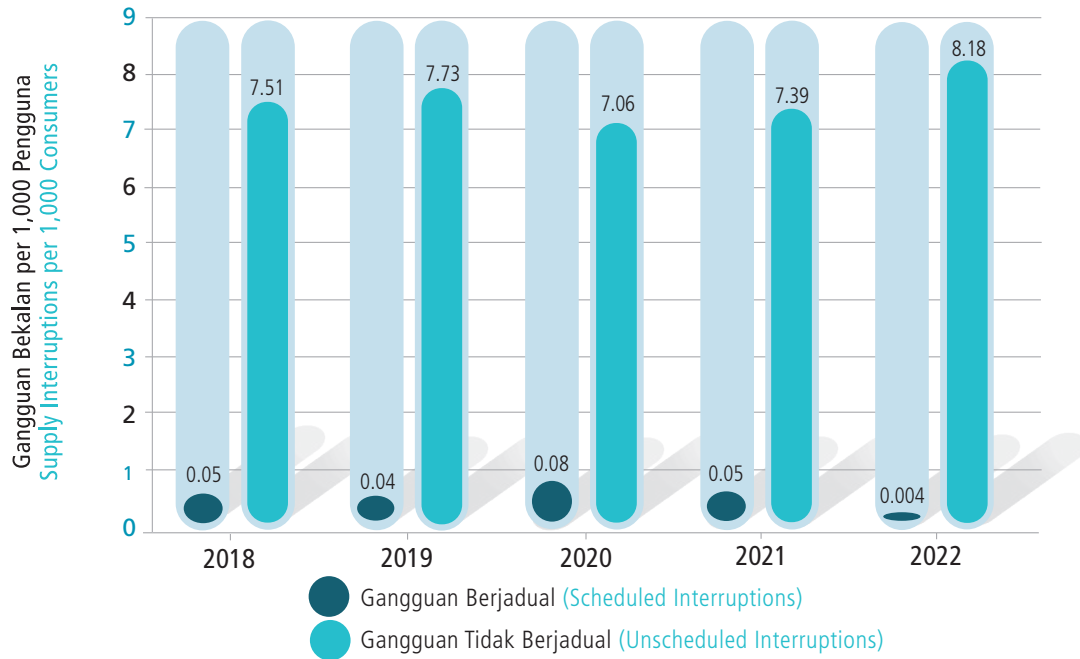


Prestasi Sistem Pengagihan di Semenanjung Malaysia

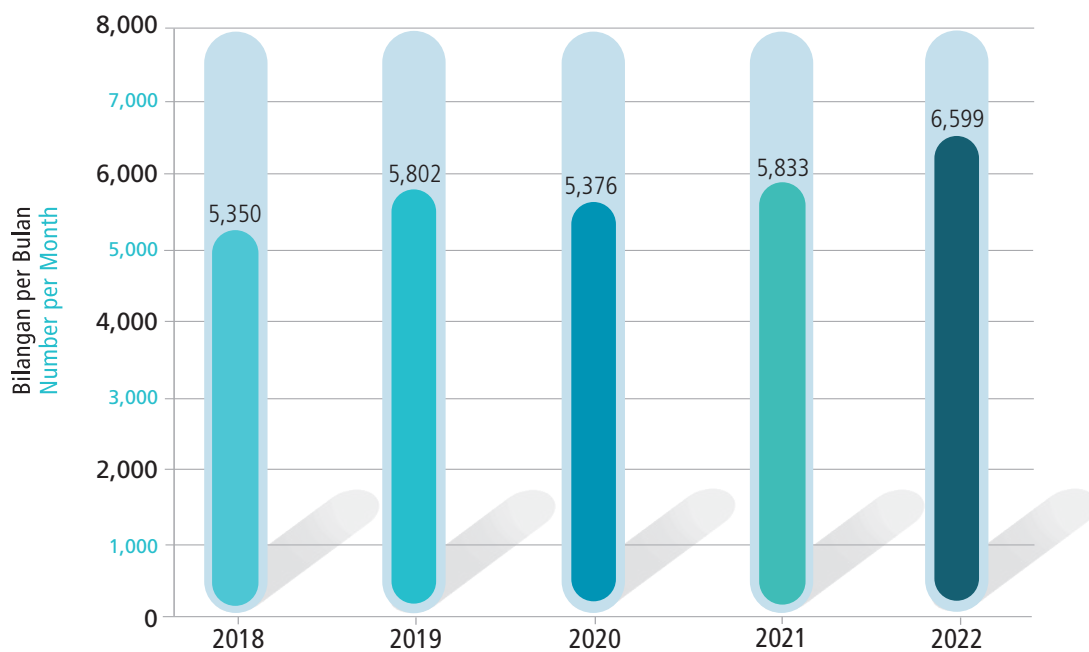
Transmission System Performance in Peninsular Malaysia

GANGGUAN BEKALAN ELEKTRIK ELECTRICITY SUPPLY INTERRUPTION

Carta 6: Gangguan Bekalan Elektrik per 1,000 Pengguna
Chart 6: Electricity Supply Interruptions per 1,000 Consumers



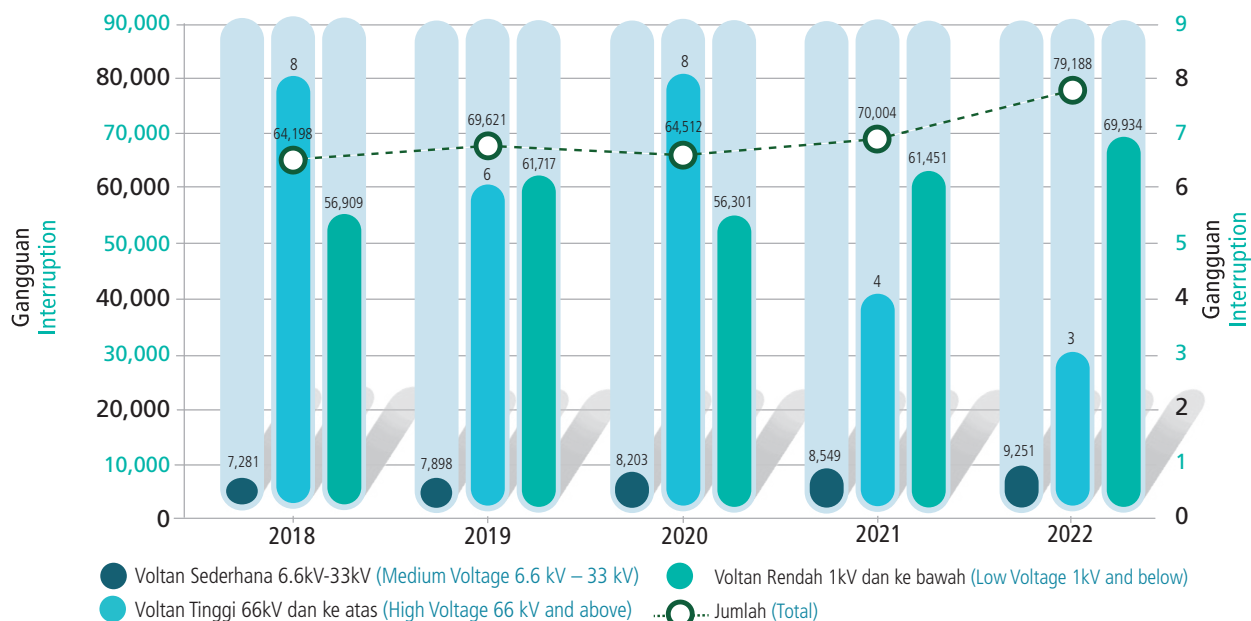
Carta 7: Purata Gangguan Bekalan Elektrik Bulanan
Chart 7: Monthly Average Electricity Supply Interruptions



Prestasi Sistem Pengagihan di Semenanjung Malaysia

Distribution System Performance in Peninsular Malaysia

Carta 8: Gangguan Bekalan Elektrik Mengikut Tahap Voltan
Chart 8: Electricity Supply Interruptions by Voltage Level



Jadual 3: Gangguan Bekalan Elektrik Mengikut Negeri
Table 3: Electricity Supply Interruptions by States

| Negeri State | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------------|---------------|---------------|---------------|---------------|---------------|
| Johor | 4,839 | 4,793 | 4,910 | 5,664 | 8,519 |
| Kedah | 3,751 | 4,249 | 3,482 | 4,053 | 3,836 |
| Kelantan | 4,401 | 5,602 | 4,933 | 5,827 | 6,010 |
| WP Kuala Lumpur | 8,713 | 9,335 | 7,589 | 7,295 | 9,940 |
| Melaka | 917 | 654 | 971 | 1,295 | 1,363 |
| Negeri Sembilan | 2,750 | 2,604 | 1,420 | 2,212 | 2,836 |
| Pulau Pinang | 2,899 | 4,327 | 3,958 | 3,649 | 3,221 |
| Pahang | 9,016 | 7,298 | 6,969 | 7,609 | 8,147 |
| Perak | 7,608 | 9,560 | 10,527 | 9,945 | 16,197 |
| Perlis | 699 | 1,088 | 475 | 746 | 692 |
| WP Putrajaya & Cyberjaya | 14 | 4 | 18 | 20 | 24 |
| Selangor | 15,132 | 15,993 | 15,592 | 17,189 | 14,140 |
| Terengganu | 3,459 | 4,114 | 3,668 | 4,500 | 4,263 |
| Jumlah Total | 64,198 | 69,621 | 64,512 | 70,004 | 79,188 |

Prestasi Sistem Pengagihan di Semenanjung Malaysia

Distribution System Performance in Peninsular Malaysia

Jadual 4: Bilangan Gangguan Bekalan Elektrik
Table 4: Number of Electricity Supply Interruptions

| Bilangan Number | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|---------------|---------------|---------------|---------------|---------------|
| Gangguan Tidak Berjadual Unscheduled Interruptions | 63,784 | 69,251 | 63,809 | 69,578 | 79,150 |
| Gangguan Berjadual Scheduled Interruptions | 414 | 370 | 703 | 426 | 38 |
| Jumlah Total | 64,198 | 69,621 | 64,512 | 70,004 | 79,188 |

Jadual 5: Gangguan Bekalan Elektrik Tidak Berjadual Mengikut Jenis Gangguan (Tidak Termasuk Gangguan Voltan Tinggi)
Table 5: Number of Unscheduled Electricity Supply Interruptions by Type of Interruptions (Excluding High Voltage Interruptions)

| Kategori Category | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------------------------|---------------|---------------|---------------|---------------|---------------|
| Alat Ubah Transformer | 37 | 42 | 17 | 13 | 22 |
| Auto Reclose | 1 | 0 | 0 | 0 | 1,608 |
| Banjir Flood | 23 | 422 | 2 | 6 | 11 |
| Feeder pillar | 2,382 | 3,049 | 2,404 | 2,847 | 2,794 |
| Fius Fuse | 2,737 | 4,045 | 2,390 | 3,675 | 3,721 |
| Haiwan Animal | 409 | 641 | 756 | 806 | 1,025 |
| Insulating Piercing Connectors (IPC) | 24,808 | 24,124 | 17,441 | 23,019 | 26,809 |
| Jumper | 6 | 3 | 1 | 1 | 7 |
| Kabel Cable | 2,703 | 3,590 | 4,037 | 2,574 | 2,590 |
| Konduktor Conductor | 9,362 | 11,646 | 13,520 | 11,462 | 10,912 |
| Kotak Fius Fuse Box | 4,164 | 4,522 | 8,383 | 7,301 | 11,451 |
| Lain-lain Others | 33 | 199 | 13 | 186 | 22 |
| Null | 0 | 50 | 236 | 826 | 780 |
| Pautan Link | 67 | 109 | 33 | 106 | 26 |
| Penamatan Termination | 108 | 509 | 206 | 270 | 304 |
| Penebat Insulator | 6 | 11 | 1 | 3 | 2 |
| Peralatan Suis Switchgear | 39 | 26 | 10 | 29 | 31 |
| Pihak Ketiga Third Party | 3,463 | 3,530 | 2,741 | 3,153 | 2,383 |
| Pokok Tree | 6,391 | 6,348 | 5,612 | 6,007 | 8,168 |
| Relay | 4 | 13 | 1 | 5 | 4 |
| Ribut Storm | 78 | 161 | 78 | 69 | 141 |
| Sambungan Joint | 4,279 | 3,603 | 4,209 | 4,858 | 5,764 |
| Tiang Pole | 2,414 | 2,225 | 2 | 2,015 | 1,883 |
| Ubahtika Transient | 78 | 40 | 6 | 28 | 55 |
| Vandalisme Vandalism | 184 | 337 | 193 | 11 | 241 |
| Jumlah Total | 63,776 | 69,245 | 62,292 | 69,270 | 80,754 |

Prestasi Sistem Pengagihan di Semenanjung Malaysia

Distribution System Performance in Peninsular Malaysia

SAIDI, SAIFI & CAIDI

Jadual 6: SAIDI Mengikut Tahap Voltan
Table 6: SAIDI by Voltage Level

| Tahap Voltan Voltage Level | Minit/Pelanggan/Tahun Minutes/Customer/Year | | | | |
|--|--|--------------|--------------|--------------|--------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Voltan Tinggi (66 kV dan ke atas) High Voltage (66 Kv and Above) | 0.03 | 0.00 | 0.01 | 0.01 | 0.01 |
| Voltan Sederhana (6.6 kV – 33 kV) Medium Voltage (6.6 kV – 33 kV) | 46.02 | 45.51 | 41.97 | 41.04 | 41.64 |
| Voltan Rendah (1 kV dan ke bawah) Low Voltage (1 kV and below) | 2.17 | 2.62 | 2.97 | 4.20 | 3.41 |
| Jumlah Total | 48.22 | 48.13 | 44.95 | 45.25 | 45.06 |

Jadual 7: SAIDI Mengikut Negeri
Table 7: SAIDI by State

| Negeri State | Minit/Pelanggan/Tahun Minutes/Customer/Year | | | | |
|---|--|--------------|--------------|--------------|--------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Johor | 41.73 | 41.91 | 42.98 | 46.86 | 50.68 |
| Kedah | 73.30 | 65.76 | 64.98 | 57.94 | 55.83 |
| Kelantan | 49.91 | 39.33 | 42.69 | 37.94 | 49.34 |
| WP Kuala Lumpur | 28.59 | 26.68 | 28.19 | 30.04 | 26.36 |
| Melaka | 18.59 | 21.99 | 27.28 | 23.51 | 26.12 |
| Negeri Sembilan | 57.37 | 37.58 | 43.96 | 35.98 | 30.34 |
| Pulau Pinang | 46.01 | 60.84 | 45.80 | 40.63 | 40.06 |
| Pahang | 43.89 | 43.26 | 43.20 | 54.60 | 56.48 |
| Perak | 56.67 | 61.72 | 41.45 | 38.42 | 47.26 |
| Perlis | 78.66 | 89.34 | 51.74 | 49.22 | 42.23 |
| WP Putrajaya & Cyberjaya | 0.73 | 0.04 | 0.08 | 1.22 | 1.34 |
| Selangor | 64.77 | 61.55 | 58.52 | 61.46 | 52.51 |
| Terengganu | 36.67 | 30.70 | 33.62 | 35.84 | 53.30 |
| Semenanjung Malaysia Peninsular Malaysia | 48.22 | 48.13 | 44.95 | 45.25 | 45.06 |

Prestasi Sistem Pengagihan di Semenanjung Malaysia

Distribution System Performance in Peninsular Malaysia

Jadual 8: SAIFI Mengikut Tahap Voltan
Table 8: SAIFI by Voltage Level

| Tahap Voltan Voltage Level | Bilangan Gangguan/Pelanggan/Tahun Number of Interruptions/Customer/Year | | | | |
|--|--|-------------|-------------|-------------|-------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Voltan Tinggi (66 kV dan ke atas) High Voltage (66 kV and above) | 0.00 | 0.00 | 0.00 | 0.01 | 0.00 |
| Voltan Sederhana (6.6 kV – 33 kV) Medium Voltage (6.6 kV – 33 kV) | 0.86 | 0.83 | 0.79 | 0.77 | 0.70 |
| Voltan Rendah (1 kV dan ke bawah) Low Voltage (1 kV and below) | 0.00 | 0.00 | 0.01 | 0.00 | 0.01 |
| Jumlah Total | 0.86 | 0.83 | 0.80 | 0.78 | 0.71 |

Jadual 9: SAIFI Mengikut Negeri
Table 9: SAIFI by State

| Negeri State | Bilangan Gangguan/Pelanggan/Tahun Number of Interruptions/Customer/Year | | | | |
|---|--|-------------|-------------|-------------|-------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Johor | 0.63 | 0.75 | 0.90 | 0.75 | 0.83 |
| Kedah | 1.26 | 1.22 | 1.24 | 1.11 | 1.21 |
| Kelantan | 1.47 | 1.02 | 1.12 | 1.19 | 1.75 |
| WP Kuala Lumpur | 0.46 | 0.43 | 0.50 | 0.46 | 0.44 |
| Melaka | 0.28 | 0.44 | 0.48 | 0.44 | 0.54 |
| Negeri Sembilan | 0.77 | 0.51 | 0.70 | 0.71 | 0.77 |
| Pulau Pinang | 0.65 | 0.82 | 0.66 | 0.61 | 0.62 |
| Pahang | 1.41 | 1.48 | 1.37 | 1.45 | 1.57 |
| Perak | 0.79 | 1.02 | 0.60 | 0.67 | 0.73 |
| Perlis | 1.68 | 1.37 | 1.64 | 1.56 | 1.23 |
| WP Putrajaya & Cyberjaya | 0.09 | 0 | 0.02 | 0.10 | 0.03 |
| Selangor | 0.94 | 0.76 | 0.75 | 0.73 | 0.65 |
| Terengganu | 1.00 | 0.93 | 0.76 | 0.82 | 1.25 |
| Semenanjung Malaysia Peninsular Malaysia | 0.86 | 0.83 | 0.80 | 0.78 | 0.84 |

Prestasi Sistem Pengagihan di Semenanjung Malaysia

Distribution System Performance in Peninsular Malaysia

Jadual 10: CAIDI Mengikut Tahap Voltan
Table 10: CAIDI by Voltage Level

| Tahap Voltan Voltage Level | Minit/Pelanggan Terlibat/Tahun Minutes/Affected Customer/Year | | | | |
|--|--|--------------|--------------|--------------|--------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Voltan Tinggi (66 kV dan ke atas) High Voltage (66 kV and above) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Voltan Sederhana (6.6 kV – 33 kV) Medium Voltage (6.6 kV – 33 kV) | 53.51 | 54.83 | 53.27 | 53.85 | 50.72 |
| Voltan Rendah (1 kV dan ke bawah) Low Voltage (1 kV and below) | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Jumlah/Total | 56.07 | 57.99 | 56.05 | 58.31 | 50.72 |

Jadual 11: CAIDI Mengikut Negeri
Table 11: CAIDI by State

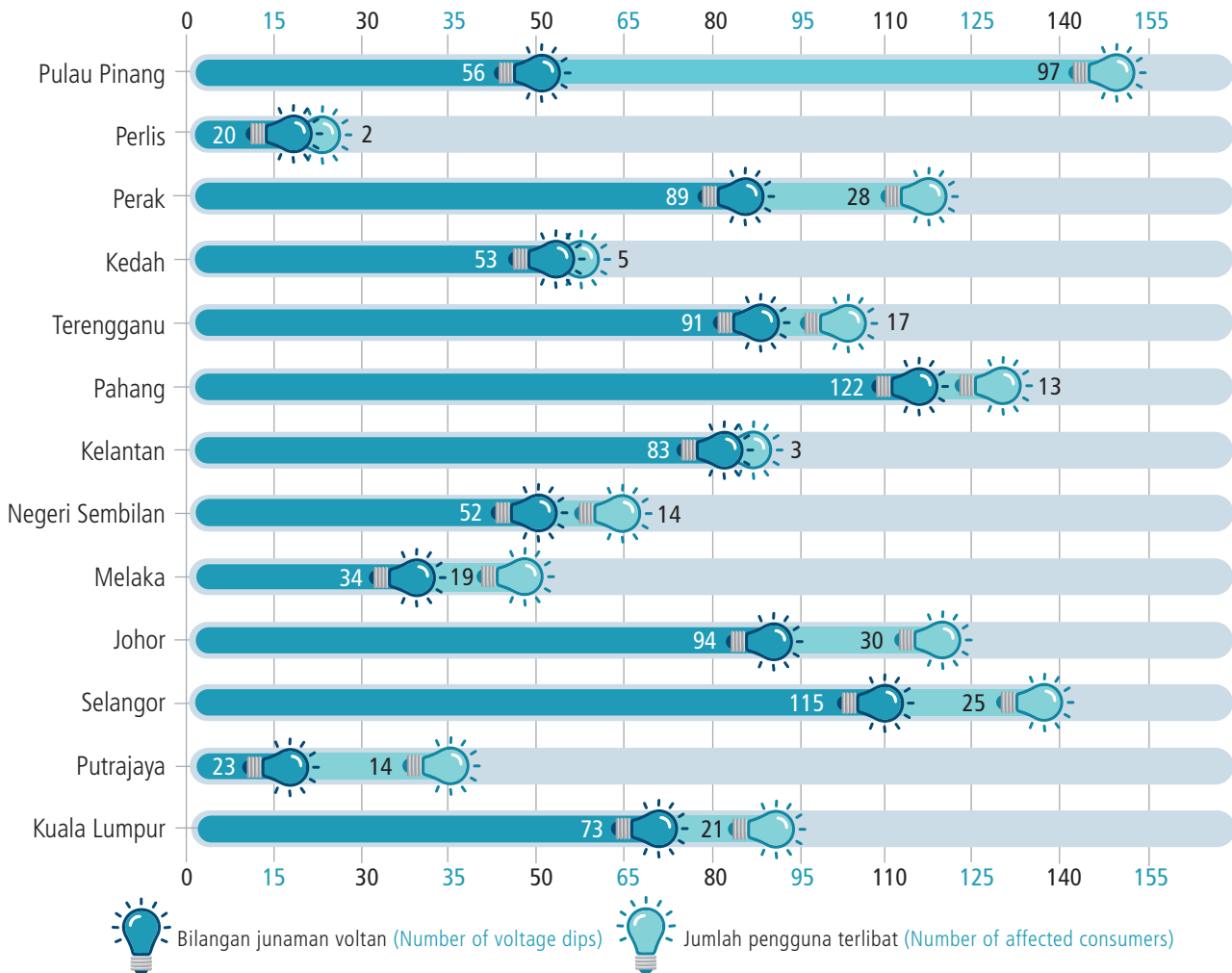
| Negeri State | Minit/Pelanggan/Tahun Minutes/Customer/Year | | | | |
|---|--|--------------|--------------|--------------|--------------|
| | 2018 | 2019 | 2020 | 2021 | 2022 |
| Johor | 66.24 | 55.88 | 48.02 | 62.90 | 61.05 |
| Kedah | 58.17 | 53.90 | 52.57 | 52.10 | 46.10 |
| Kelantan | 33.95 | 38.56 | 38.04 | 31.85 | 28.16 |
| WP Kuala Lumpur | 62.15 | 62.05 | 56.05 | 65.68 | 60.18 |
| Melaka | 66.39 | 49.98 | 57.07 | 53.91 | 48.28 |
| Negeri Sembilan | 74.51 | 73.69 | 62.80 | 50.89 | 39.40 |
| Pulau Pinang | 31.13 | 74.20 | 69.08 | 66.83 | 64.51 |
| Pahang | 71.73 | 29.23 | 31.53 | 37.60 | 36.02 |
| Perak | 46.82 | 60.51 | 68.73 | 57.78 | 64.74 |
| Perlis | 70.78 | 65.21 | 31.53 | 31.51 | 34.27 |
| WP Putrajaya & Cyberjaya | 8.11 | 0.00 | 3.71 | 12.05 | 51.69 |
| Selangor | 68.90 | 80.99 | 78.45 | 84.08 | 81.16 |
| Terengganu | 36.67 | 33.01 | 44.24 | 43.81 | 42.51 |
| Semenanjung Malaysia Peninsular Malaysia | 56.07 | 57.99 | 56.05 | 58.31 | 53.95 |

Prestasi Sistem Pengagihan di Semenanjung Malaysia

Distribution System Performance in Peninsular Malaysia

KUALITI PEMBEKALAN ELEKTRIK ELECTRICITY SUPPLY QUALITY

Carta 9: Kejadian Junaman Voltan Mengikut Negeri dan Bilangan Pengguna yang Terlibat
Chart 9: Voltage Dip Incidents by State and Number of Consumers Involved



Nota | Notes:

Jumlah bilangan kejadian junaman voltan bukan hasil tambah bilangan jumlah junaman voltan bagi setiap negeri kerana terdapat kejadian yang sama dirakamkan di beberapa negeri.
The total number of occurrences of voltage dips is not summarised by the number of voltage dips in each state as there are similar events recorded in some states.

Prestasi Sistem Pengagihan Di Semenanjung Malaysia

Distribution System Performance In Peninsular Malaysia

Jadual 12: Bilangan Pengguna Terlibat dengan Insiden Junaman Voltan Mengikut Negeri
Table 12: Number of Consumers Involved in Voltage Dip Incidents by State

| Negeri State | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|------------|------------|------------|------------|------------|
| Johor | 59 | 45 | 34 | 29 | 30 |
| Kedah | 5 | 6 | 6 | 8 | 5 |
| Kelantan | 0 | 0 | 4 | 0 | 3 |
| Melaka | 21 | 25 | 15 | 16 | 19 |
| Negeri Sembilan | 26 | 4 | 4 | 18 | 14 |
| Pahang | 25 | 26 | 21 | 30 | 13 |
| Perak | 23 | 16 | 28 | 27 | 28 |
| Perlis | 0 | 0 | 0 | 1 | 2 |
| Pulau Pinang | 74 | 59 | 56 | 115 | 97 |
| Selangor | 67 | 50 | 21 | 41 | 25 |
| Terengganu | 14 | 13 | 14 | 15 | 17 |
| WP Kuala Lumpur | 40 | 38 | 23 | 19 | 21 |
| WP Putrajaya & Cyberjaya | 11 | 10 | 12 | 14 | 14 |
| Semenanjung Malaysia Peninsular Malaysia | 365 | 292 | 238 | 333 | 288 |

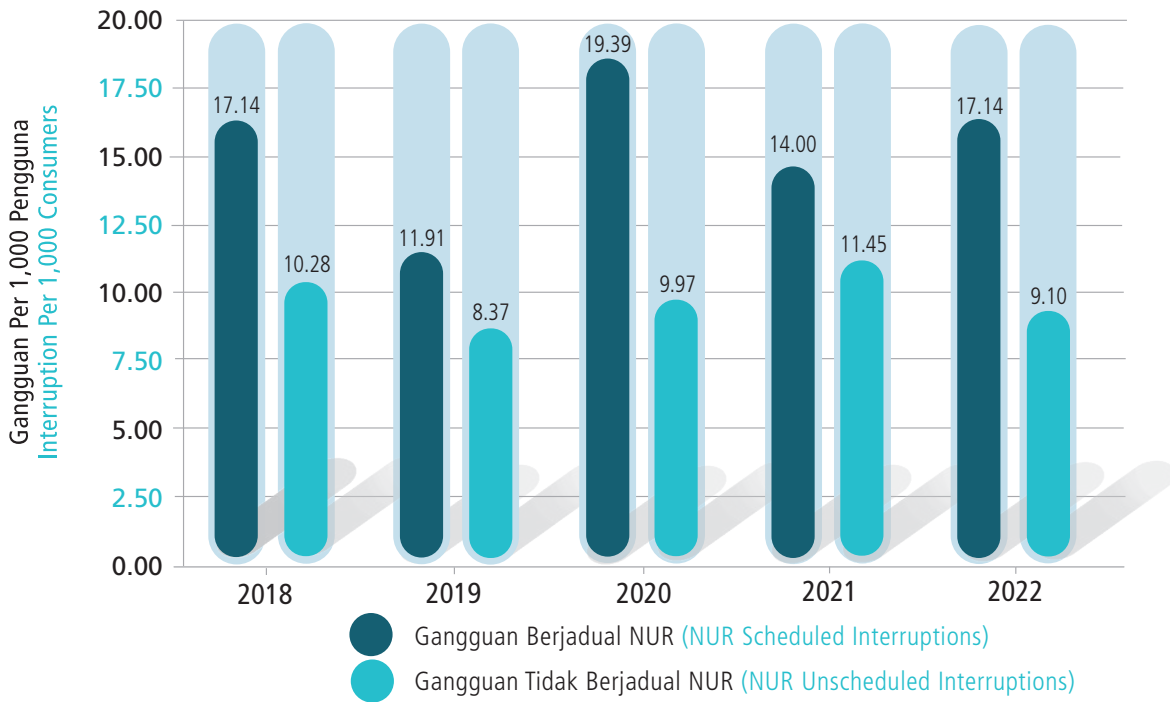
Jadual 13: SARFI
Table 13: SARFI

| Sistem TNB TNB System | 2018 | | | 2019 | | | 2020 | | | 2021 | | | 2022 | | |
|--|-------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|--------------|-------------|-------------|
| | SARFI 90 | SARFI 80 | SARFI 70 | SARFI 90 | SARFI 80 | SARFI 70 | SARFI 90 | SARFI 80 | SARFI 70 | SARFI 90 | SARFI 80 | SARFI 70 | SARFI 90 | SARFI 80 | SARFI 70 |
| 11 kV | 13.40 | 4.46 | 2.01 | 13.60 | 3.67 | 1.73 | 10.32 | 3.35 | 1.46 | 11.99 | 4.56 | 2.18 | 13.93 | 6.19 | 3.00 |
| 22 kV | 18.93 | 5.71 | 1.93 | 12.87 | 4.80 | 1.73 | 10.47 | 4.53 | 2.40 | 9.27 | 4.53 | 2.07 | 7.71 | 3.64 | 2.21 |
| 33 kV | 16.34 | 4.35 | 1.31 | 14.04 | 3.28 | 0.89 | 9.87 | 2.36 | 0.69 | 14.41 | 3.80 | 1.57 | 13.88 | 4.40 | 1.94 |
| Sistem Keseluruhan Overall System | 1.34 | 0.36 | 0.16 | 13.73 | 3.60 | 1.38 | 10.13 | 3.02 | 1.21 | 12.81 | 4.25 | 1.91 | 13.43 | 5.22 | 2.48 |

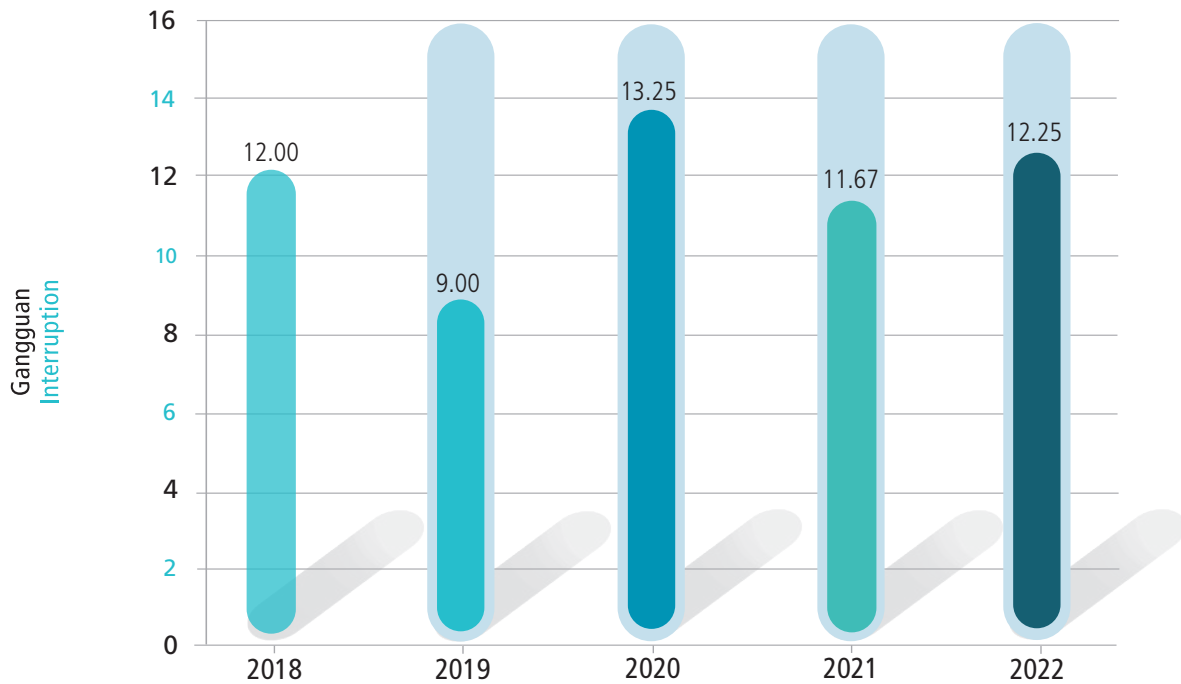
Prestasi Sistem Pengagihan NUR Distribution Sdn. Bhd.

Distribution System Performance of NUR Distribution Sdn. Bhd.

Carta 10: Gangguan Bekalan Elektrik Per 1,000 Pengguna
Chart 10: Electricity Supply Interruptions Per 1,000 Consumers



Carta 11: Purata Gangguan Bekalan Elektrik Bulanan
Chart 11: Monthly Average of Electricity Supply Interruptions



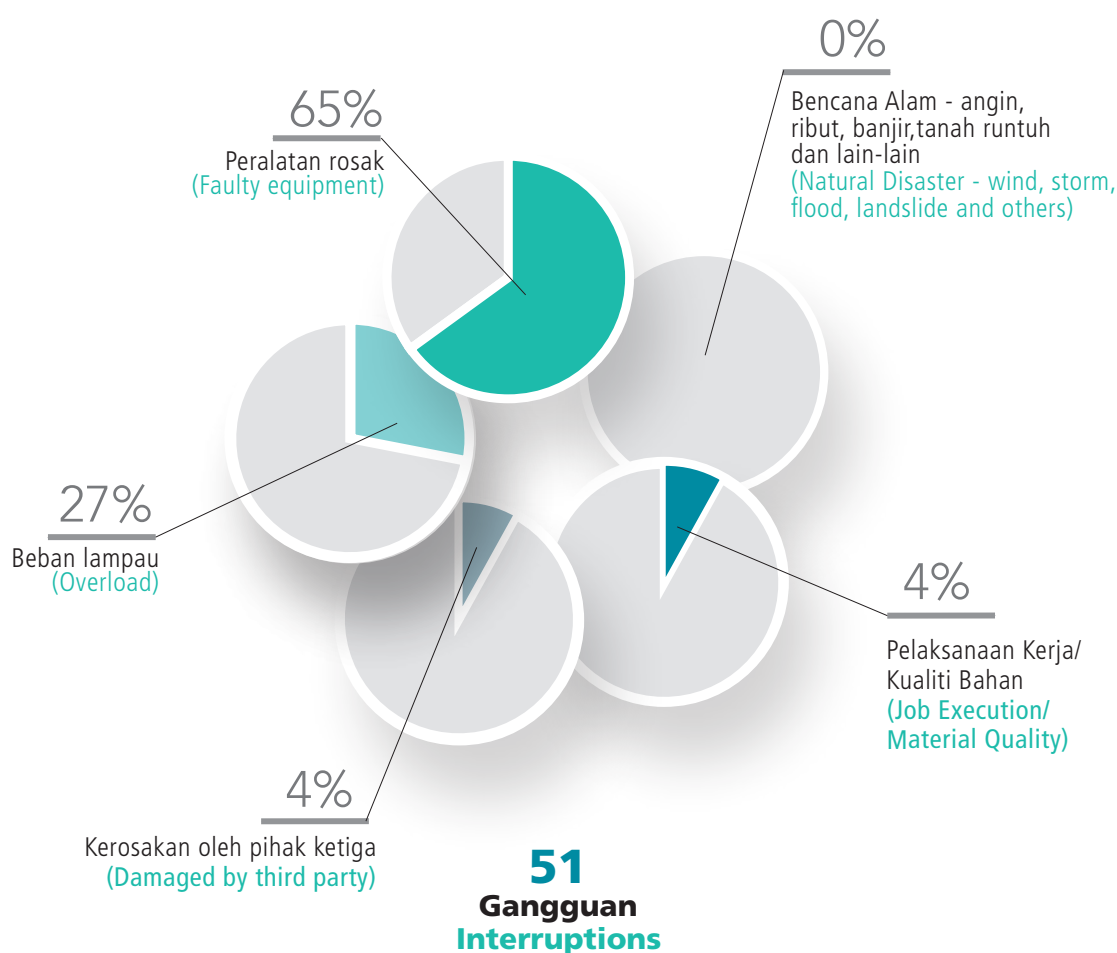
Prestasi Sistem Pengagihan NUR Distribution Sdn. Bhd.

Distribution System Performance of NUR Distribution Sdn. Bhd.

Jadual 14: Bilangan Gangguan Bekalan Elektrik
Table 14: Number of Electricity Supply Interruptions

| Bilangan Number | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|------------|------------|------------|------------|------------|
| Gangguan Tidak Berjadual Unscheduled Interruptions | 54 | 45 | 54 | 63 | 51 |
| Gangguan Berjadual Scheduled Interruptions | 90 | 64 | 105 | 77 | 96 |
| Jumlah Total | 144 | 109 | 159 | 140 | 147 |

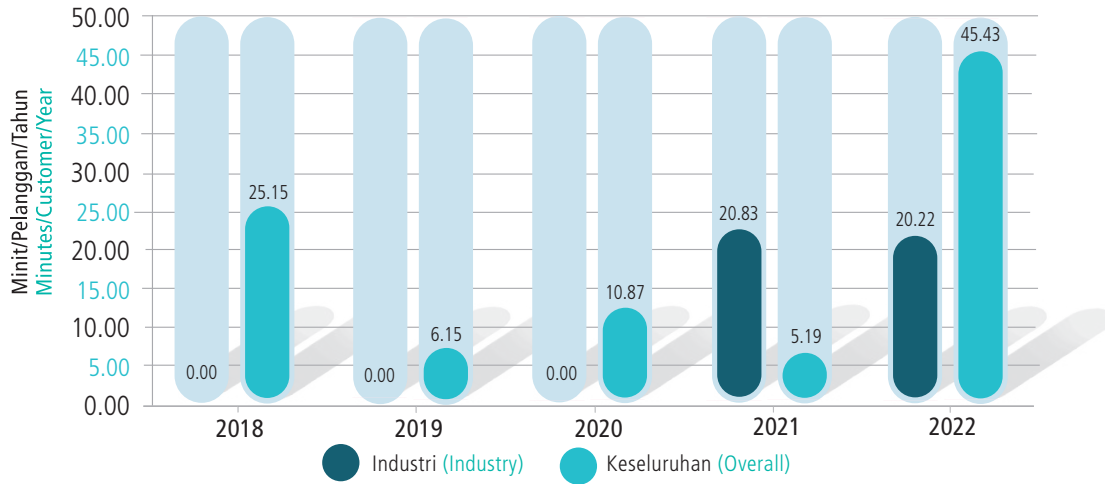
Carta 12: Gangguan Bekalan Elektrik Tidak Berjadual Mengikut Jenis Gangguan
Chart 12: Unscheduled Supply Interruption by Type of Interruptions



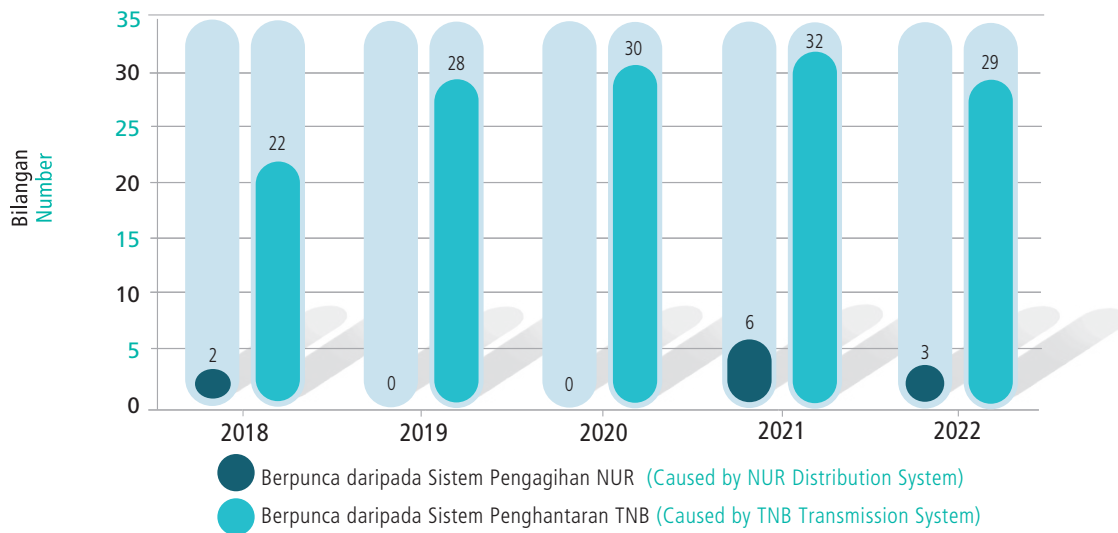
Prestasi Sistem Pengagihan NUR Distribution Sdn. Bhd.

Distribution System Performance of NUR Distribution Sdn. Bhd.

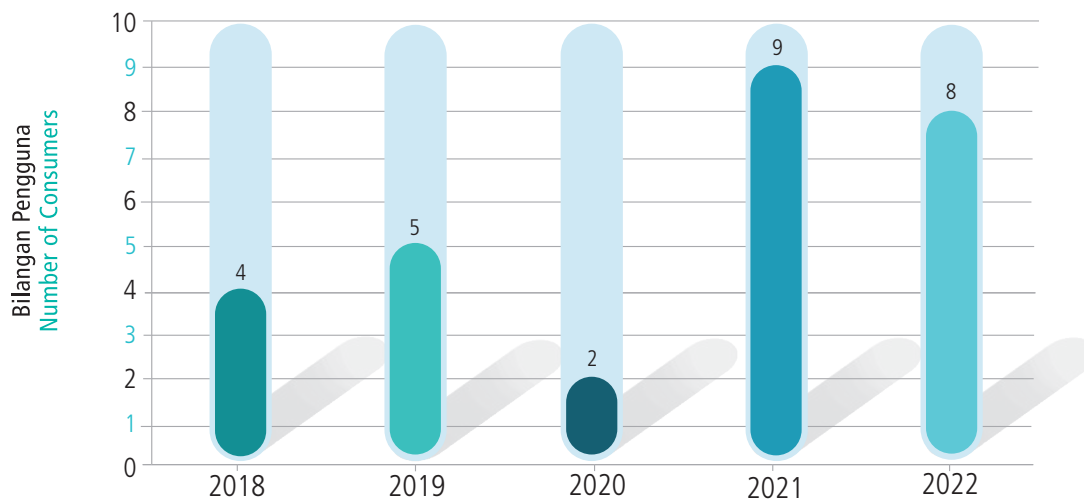
Carta 13: SAIDI
Chart 13: SAIDI



Carta 14: Kejadian Junaman Voltan yang Dilaporkan di Kulim Hi-Tech Park (KHTP)
Chart 14: Voltage Dips Incidents Reported in Kulim Hi-Tech Park (KHTP)

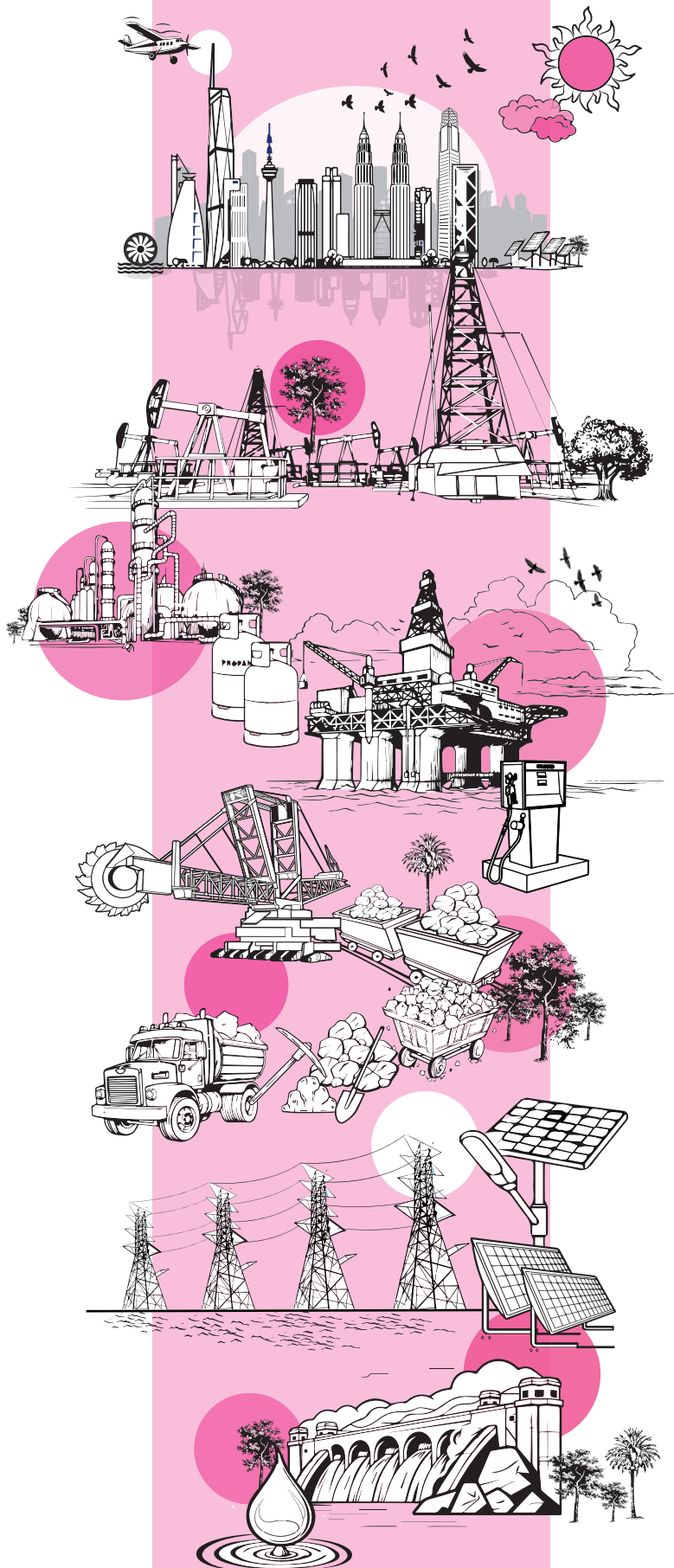


Carta 15: Bilangan Pengguna Terlibat dengan Insiden Junaman Voltan
Chart 15: Number of Consumers Involved in Voltage Dip Incidents



PRESTASI PEMBEKALAN ELEKTRIK DI SABAH

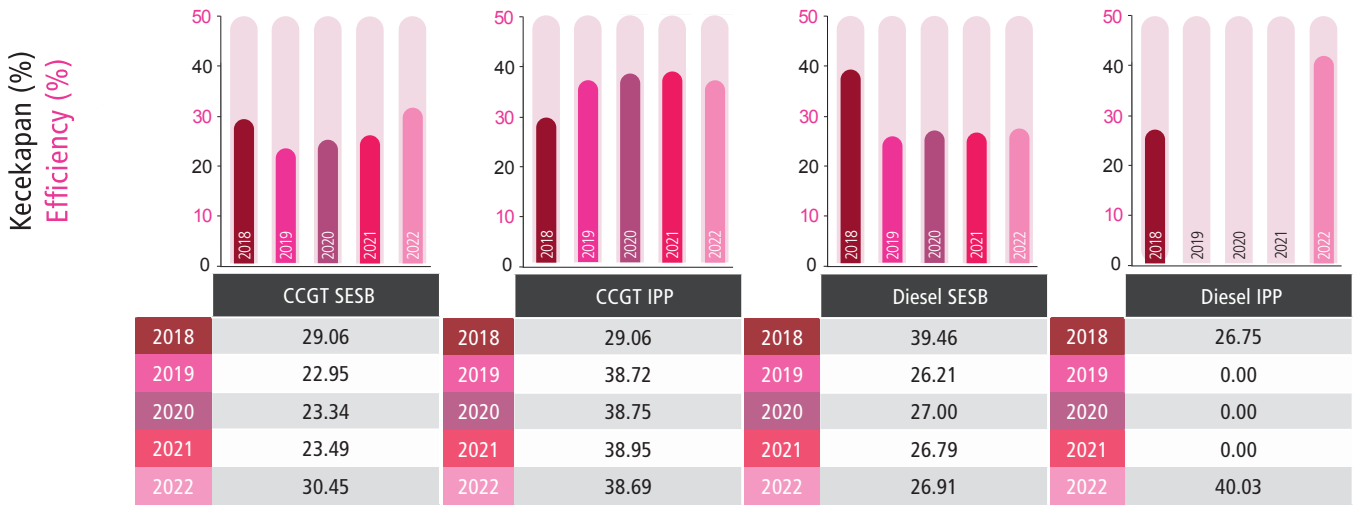
Electricity Supply Performance in Sabah



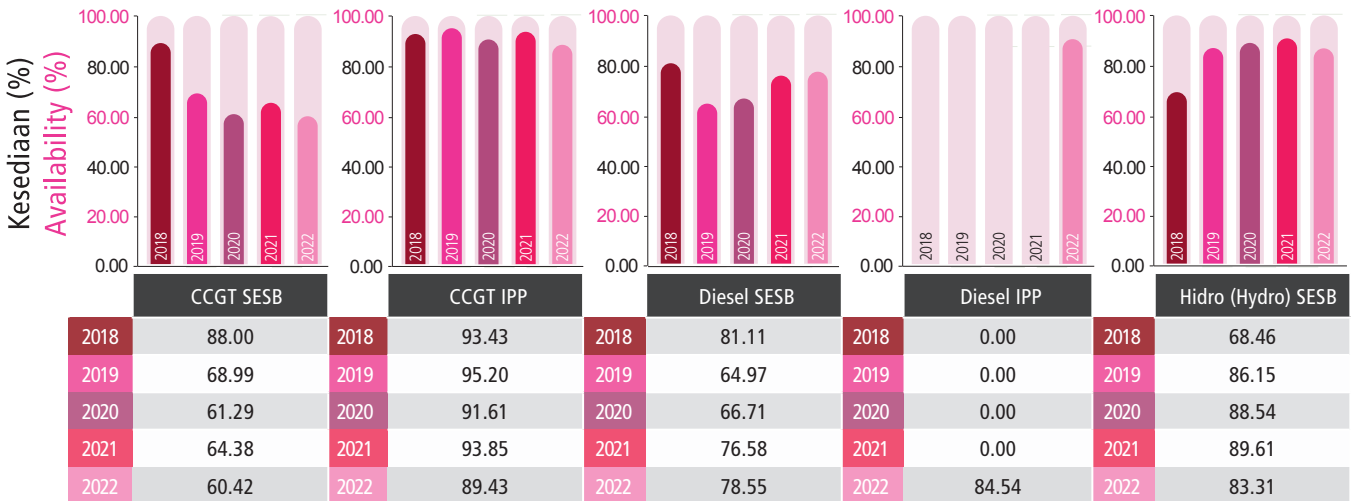
Prestasi Sistem Penjanaan di Sabah

Generation System Performance in Sabah

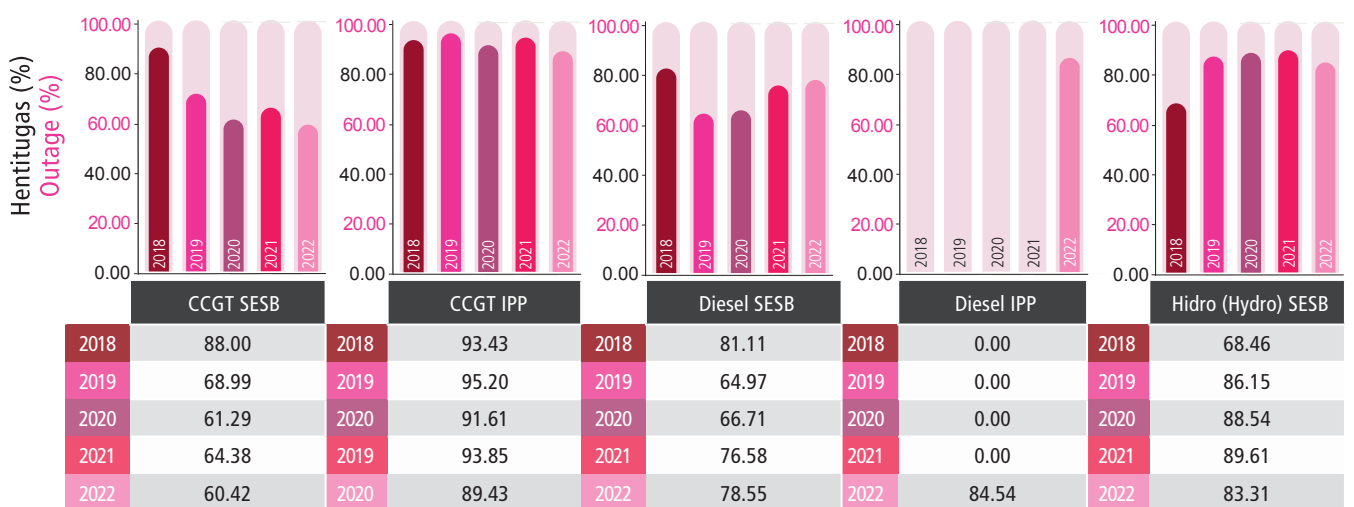
Carta 16: Purata Kecekapan Terma Loji Jana Kuasa SESB dan IPP
Chart 16: Average Thermal Efficiency of SESB and IPP Power Plants



Carta 17: EAF Loji Jana Kuasa SESB dan IPP
Chart 17: EAF of SESB and IPP Power Plants



Carta 18: EUOF Loji Jana Kuasa SESB dan IPP
Chart 18: EUOF of SESB and IPP Power Plants



Nota untuk semua carta di atas | Notes for all charts above:

1. Initial Operation Date (IOD) stesen jana kuasa diesel IPP Stratavest adalah pada Oktober 2021, manakala Commission Operation Date (COD) adalah pada Mei 2022.

Initial Operation Date (IOD) of Stratavest IPP diesel power plant was on October 2021 while Commission Operation Date (COD) was in May 2022.

2. IOD dan COD bagi stesen jana kuasa diesel Serudong loji DG1 dan DG3 adalah pada Mac 2022.

Serudong diesel power station DG1 and DG3 IOD dan COD was in March 2022.

3. IOD bagi stesen jana kuasa diesel Serudong loji DG2 adalah pada Dis 2021, manakala COD adalah pada Mac 2022.

Serudong diesel power plant DG2 IOD was on Dec 2021, while COD was in March 2022.

Prestasi Sistem Penghantaran di Sabah

Transmission System Performance in Sabah

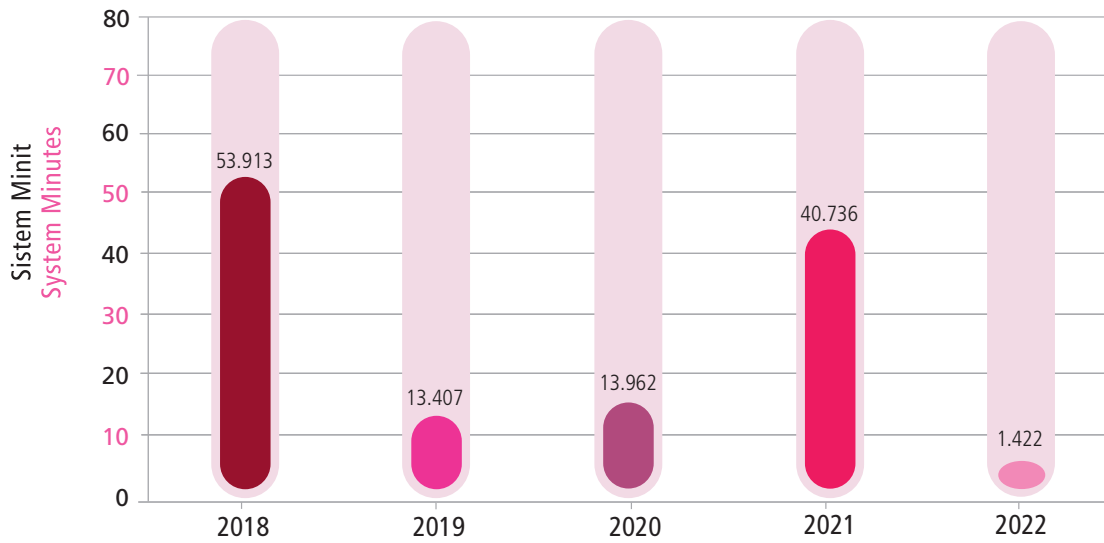
Jadual 15: Pelantikan Sistem Penghantaran dengan Kehilangan Beban Sebanyak 50 MW dan ke Atas
Table 15: Transmission System Trippings with Load Loss of 50 MW and Above

| Petunjuk Indicator | 2022 | | | | | | | | | | | |
|---|------|-----|-----|-----|-----|-----|------|-----|------|-----|--------|-----|
| | Jan | Feb | Mar | Apr | May | Jun | July | Aug | Sept | Oct | Nov | Dec |
| Bilangan Pelantikan Tanpa Lucutan Beban Number of Trippings Without Load Shedding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 8 | 0 |
| Bilangan Pelantikan dengan Lucutan Beban Number of Trippings with Load Shedding | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 0 |
| Kehilangan Beban Maksimum (MW) Maximum Load Losses (MW) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 133.23 | 0 |
| Tenaga yang Tidak Dibekalkan Semasa Pelantikan (MWj) Unsupplied Energy During Trippings (MWh) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 18.87 | 0 |
| Purata Tenaga yang Tidak Dibekalkan Semasa Pelantikan (MWj) Average Unsupplied Energy During Trippings (MWh) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 9.44 | 0 |
| Purata Tempoh Setiap Pelantikan (Minit) Average Duration Per Tripping (Minutes) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Tenaga Tidak Dibekalkan Semasa Lucutan Beban (MWj) Unsupplied Energy During Load Shedding (MWh) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

Prestasi Sistem Penghantaran Di Sabah

Transmission System Performance In Sabah

Carta 19: DePUI – Sistem Minit
Chart 19: DePUI - System Minutes



Jadual 16: Insiden Pelantikan bagi Talian/Kabel Per 100 cct-km Mengikut Tahap Voltan (dengan Kehilangan Beban)

Table 16: Tripping Incidents for Lines/Cables per 100 cct-km by Voltage Level (with Load Loss)

| Kategori Category | Voltan Voltage | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|----------------|-------|-------|-------|-------|-------|
| Dengan Kehilangan Beban With Load Loss | 275kV | 0.669 | 0.000 | 0.000 | 0.000 | 0.000 |
| | 132kV | 0.551 | 0.480 | 0.625 | 0.400 | 0.710 |
| | 66kV | 3.175 | 3.501 | 0.000 | 5.850 | 0.000 |
| Tanpa Kehilangan Beban Without Load Loss | 275kV | 0.502 | 1.337 | 0.334 | 1.080 | 1.360 |
| | 132kV | 1.302 | 0.480 | 0.759 | 0.710 | 0.890 |
| | 66kV | 6.659 | 9.335 | 0.973 | 0.000 | 0.970 |

Nota | Notes:

* Bilangan pelantikan bagi setiap 100 litar km

= $\frac{\text{Jumlah bilangan pelantikan talian penghantaran mengikut voltan} \times 100 \text{ km}}{\text{Jumlah litar km bagi setiap kategori}}$

Number of tripping per 100 km circuit

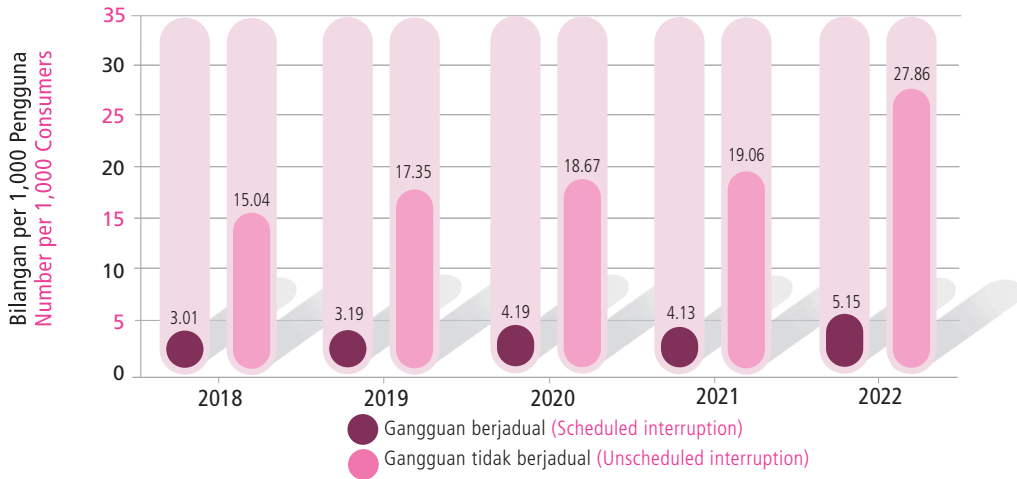
= $\frac{\text{Total number of transmission line tripping by voltage} \times 100 \text{ km}}{\text{Number of km circuit for each category}}$

Prestasi Sistem Pengagihan di Sabah

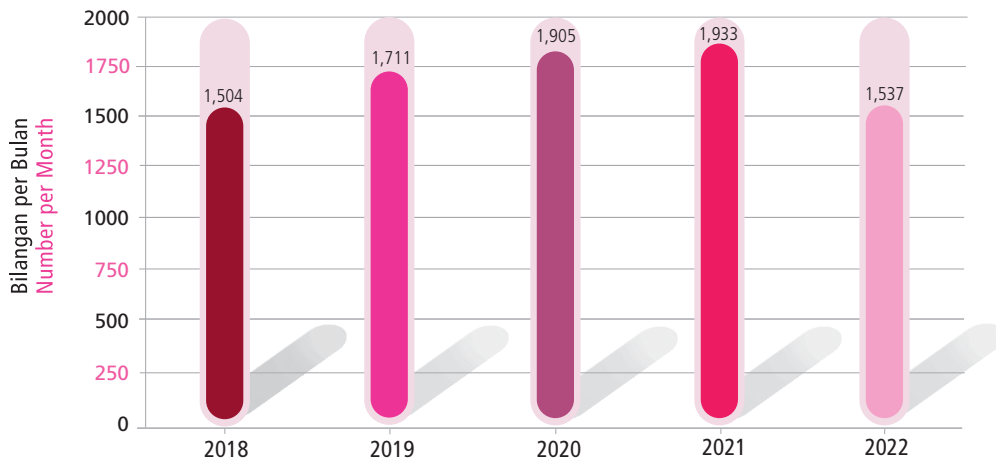
Distribution System Performance in Sabah

GANGGUAN BEKALAN ELEKTRIK ELECTRICITY SUPPLY INTERRUPTION

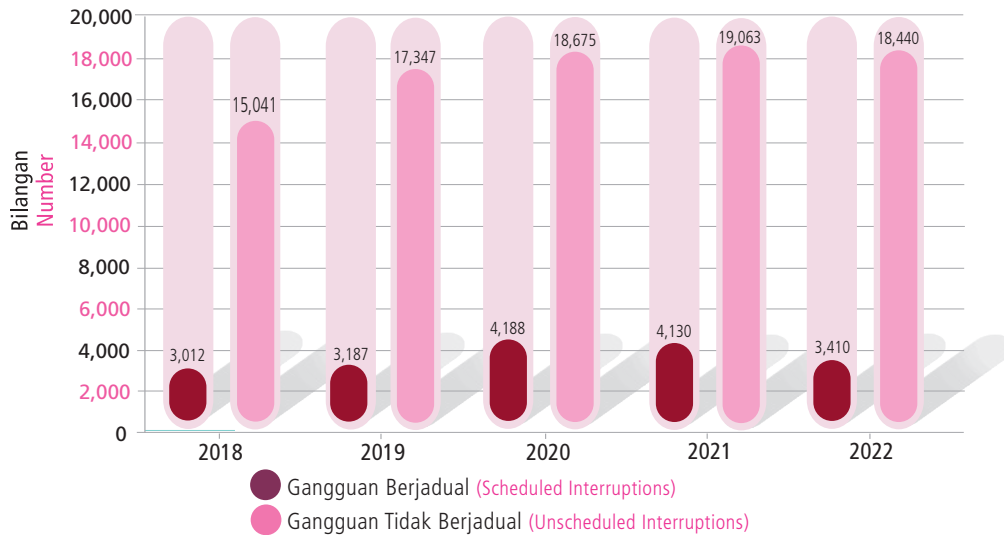
Carta 20: Gangguan Bekalan Elektrik Per 1,000 Pengguna
Chart 20: Electricity Supply Interruptions Per 1,000 Consumers



Carta 21: Purata Gangguan Bekalan Elektrik Bulanan
Chart 21: Monthly Average Electricity Supply Interruptions



Carta 22: Bilangan Gangguan Bekalan Elektrik
Chart 22: Number of Electricity Supply Interruptions



Prestasi Sistem Pengagihan di Sabah

Distribution System Performance in Sabah

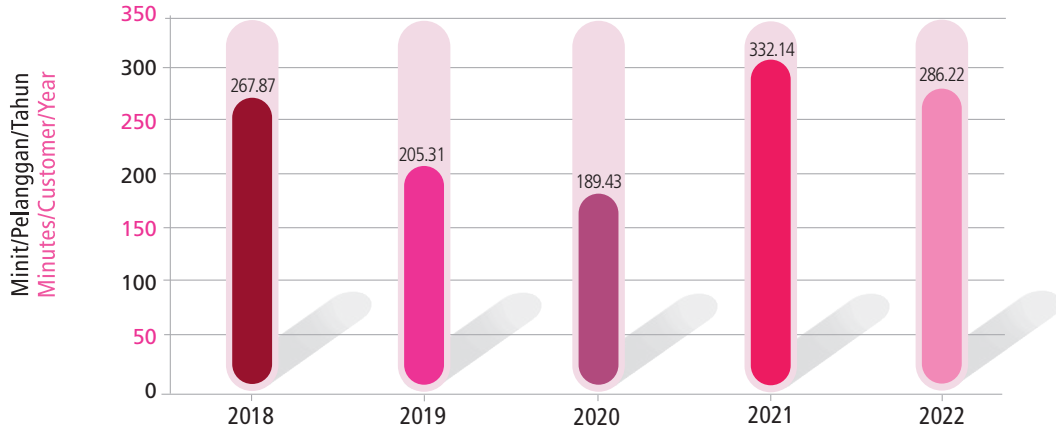
Jadual 17: Gangguan Bekalan Elektrik Tidak Berjadual
Table 17: Unscheduled Electricity Supply Interruptions

| Jenis Gangguan Type of Interruptions | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------------|---------------|---------------|---------------|---------------|
| Banjir Flood | 0 | 0 | 0 | 0 | 0 |
| Beban Lampau Overload | 3,050 | 2,272 | 1,918 | 1,253 | 1,729 |
| Binatang Animal | 1,445 | 1,960 | 2,372 | 1,882 | 1,867 |
| Hubungan Tidak Baik Poor Contact | 2,033 | 2,727 | 2,383 | 2,411 | 2,486 |
| Cuaca Buruk (Angin, Ribut, Petir) Bad Weather (Wind, Storm, Lightning) | 428 | 1,168 | 2,028 | 2,153 | 1,129 |
| Disebabkan oleh Pihak Lain (Kena Langgar, Khianat, Kena Curi dan Penyambungan Haram) Caused by Other Parties (Hit, Treachery, Theft and Illegal Connection) | 246 | 1,217 | 2,052 | 2,989 | 2,945 |
| Kabel Cable | 796 | 884 | 962 | 584 | 804 |
| Kebakaran Fire | 44 | 60 | 58 | 46 | 48 |
| Kena Guard Wire/Kendur Touched with Guard Wire/Sagging | 708 | 1,011 | 0 | 0 | - |
| Kerosakan Peralatan Faulty Equipment | 0 | 0 | 0 | 0 | - |
| Kualiti Barang Quality of Material | 152 | 298 | 311 | 272 | 281 |
| Lain-Lain (Tiada Data, Tiada Operasi, Tiada Bekalan) Others (Unavailable Data, Shut Down, No Supply) | 1,452 | 627 | 1,333 | 1,486 | 3,236 |
| Lanjut Usia/Reput Old/Decayed | 675 | 802 | 1,214 | 1,350 | 1,253 |
| Pencawang Substation | 0 | 0 | 0 | 0 | - |
| Pokok Tree | 3,246 | 3,694 | 4,044 | 4,637 | 3,896 |
| Tanah Runtuh Landslide | 0 | 0 | 0 | 0 | 1,566 |
| Tidak Diketahui Unknown | 0 | 0 | 0 | 0 | - |
| Ubahtika Transient | 1,948 | 627 | 0 | 0 | - |
| Jumlah Total | 16,223 | 17,347 | 18,675 | 19,063 | 21,240 |

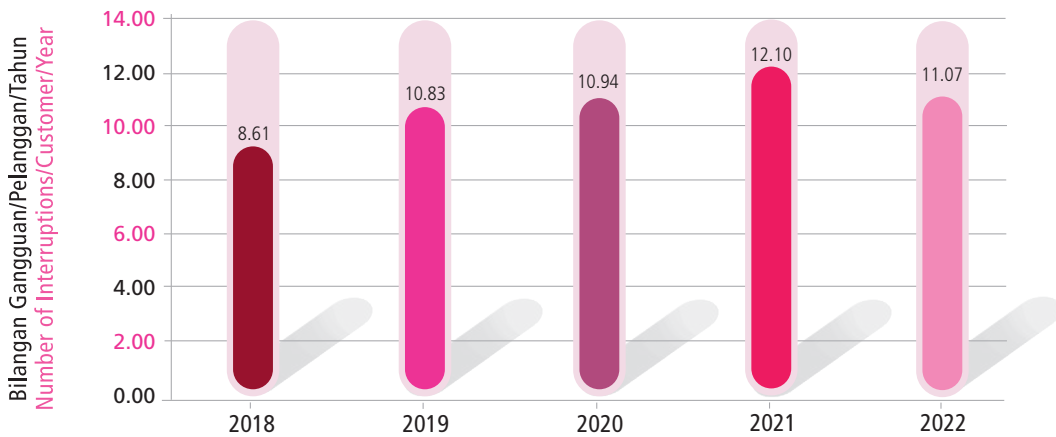
Prestasi Sistem Pengagihan di Sabah Distribution System Performance in Sabah

SAIDI, SAIFI & CAIDI

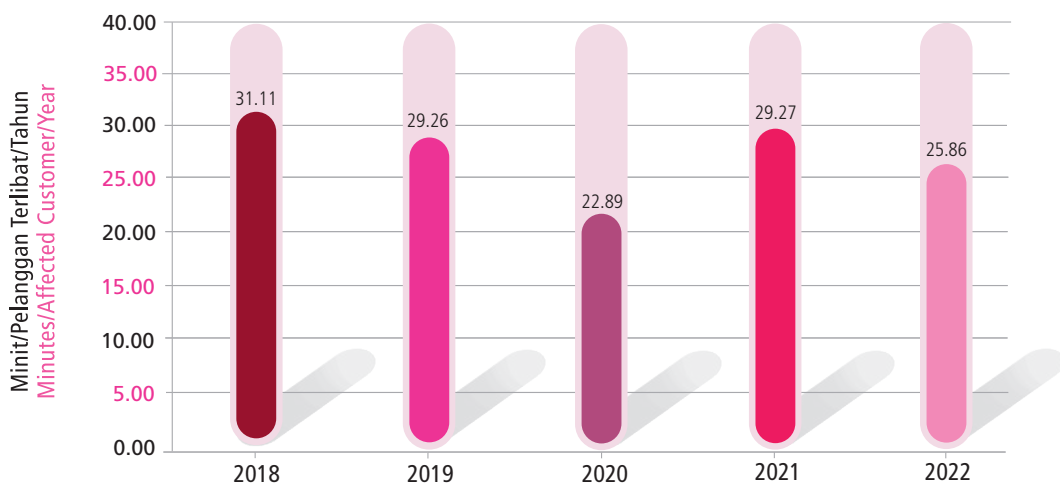
Carta 23: SAIDI
Chart 23: SAIDI



Carta 24: SAIFI
Chart 24: SAIFI



Carta 25: CAIDI
Chart 25: CAIDI



PRESTASI PEMBEKALAN ELEKTRIK DI SARAWAK

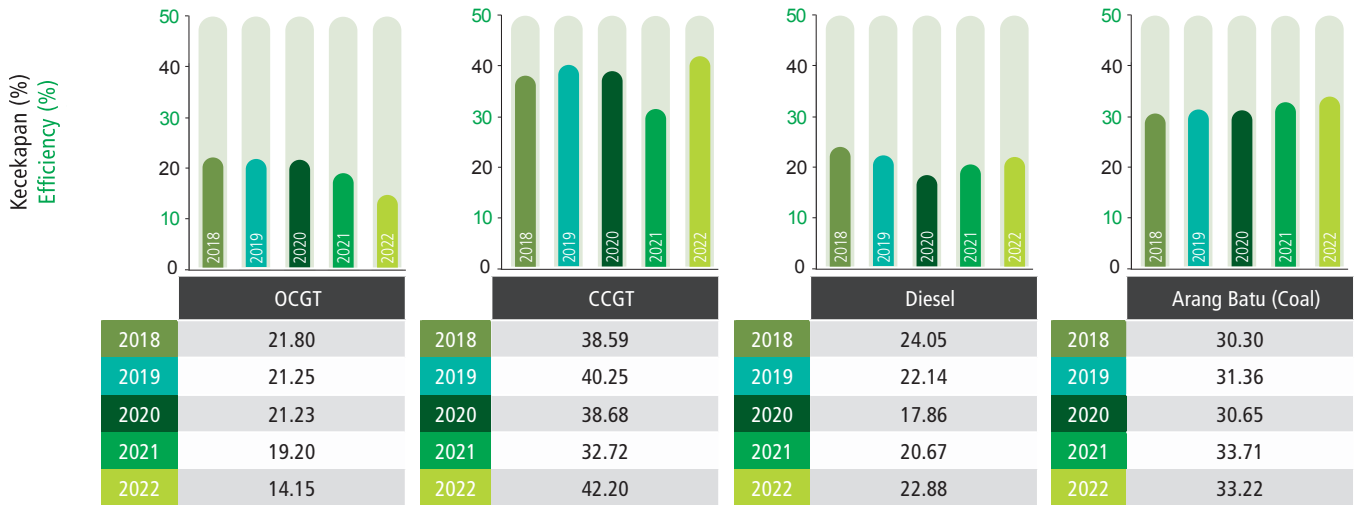
Electricity Supply Performance in Sarawak



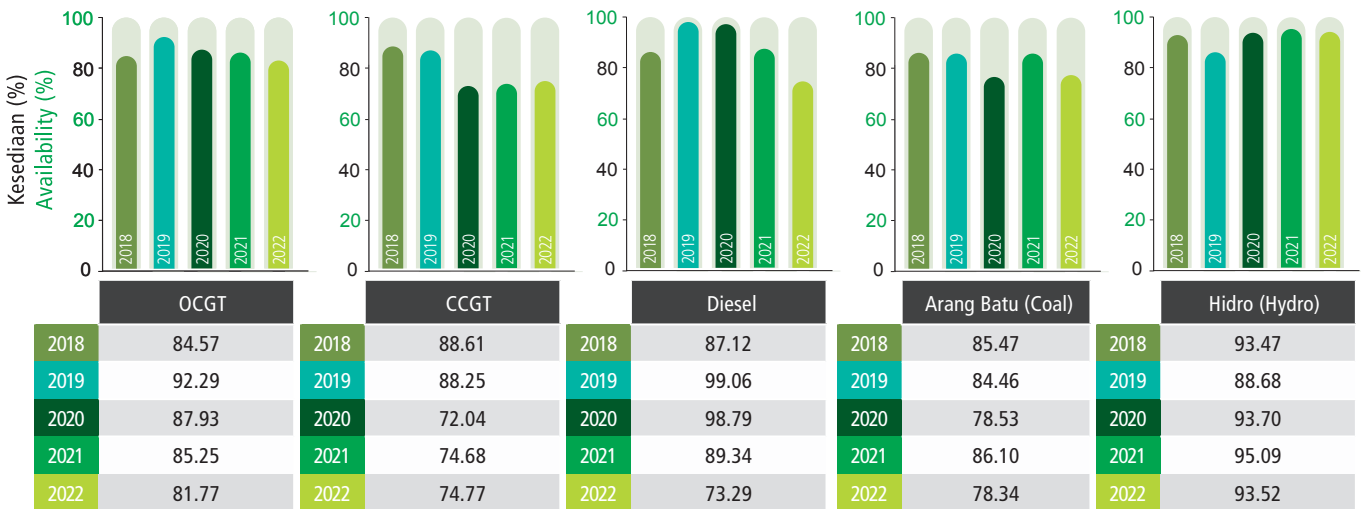
Prestasi Sistem Penjanaan di Sarawak

Generation System Performance in Sarawak

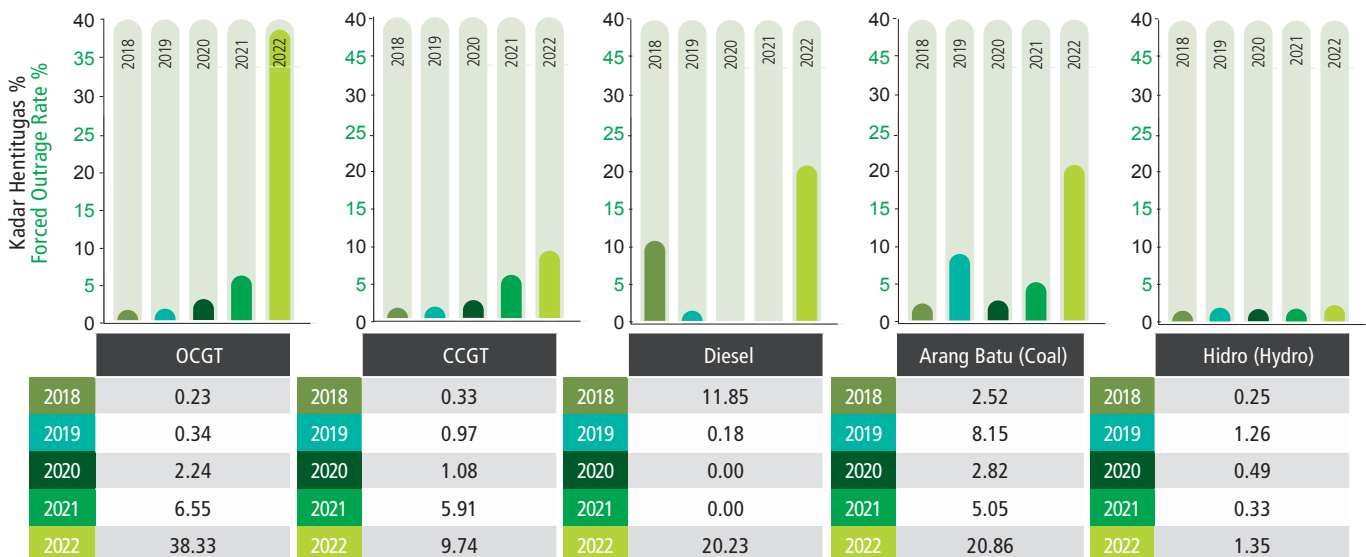
Carta 26: Purata Kecekapan Termal Loji Jana Kuasa SEB
Carta 26: Average Thermal Efficiency of SEB Power Plants



Carta 27: EAF Loji Jana Kuasa SEB
Chart 27: EAF of SEB Power Plants



Carta 28: Purata Kadar Hentugas Tidak Berjadual (FOR) Loji Jana Kuasa SEB
Chart 28: Forced Outage Rate (FOR) of SEB Power Plants



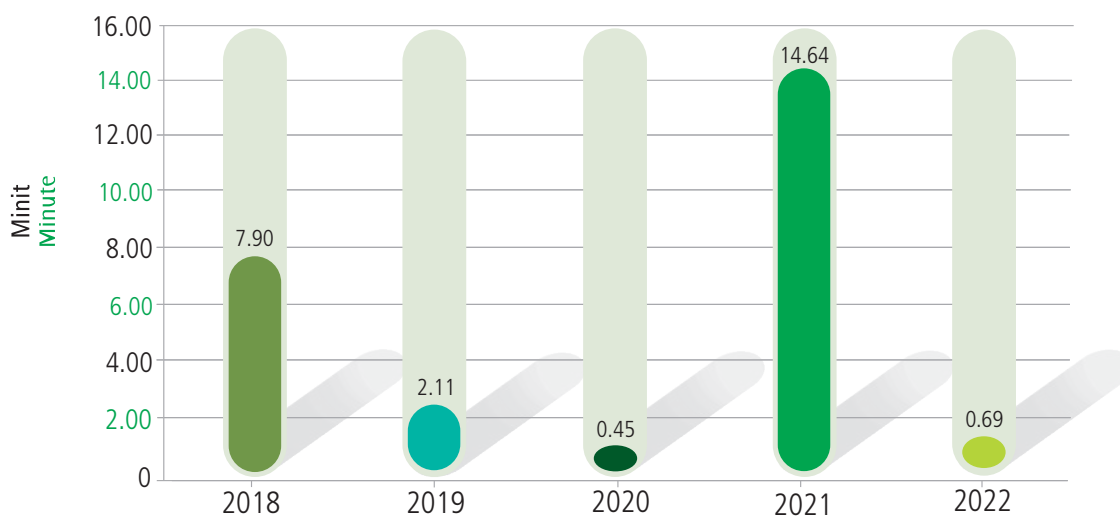
Prestasi Sistem Penghantaran di Sarawak

Generation System Performance in Sarawak

Jadual 18: Petunjuk Prestasi Sistem Penghantaran SEB
Table 18: Transmission System Performance Indicators SEB

| Petunjuk Indicator | 2022 | | | | | | | | | | | |
|--|------|--------|-----|-----|-----|------|------|-----|-----|-----|-----|-----|
| | Jan | Feb | Mar | Apr | May | June | July | Aug | Sep | Oct | Nov | Dec |
| Bilangan Pelantikan Number of Trippings | - | 2.00 | - | - | - | - | - | - | - | - | - | - |
| Kehilangan Beban Maksimum (MW) Maximum Load Losses (MW) | - | 117.16 | - | - | - | - | - | - | - | - | - | - |
| Tenaga yang Tidak Dibekalkan Semasa Pelantikan (MWj) Unsupplied Energy During Trippings (MWh) | - | 46.96 | - | - | - | - | - | - | - | - | - | - |
| Purata Tenaga Tidak Dibekalkan Setiap Pelantikan (MWj) Average Unsupplied Energy During Trippings (MWh) | - | 46.96 | - | - | - | - | - | - | - | - | - | - |
| Purata Tempoh Setiap Pelantikan (Minit) Average Duration per Tripping (Minutes) | - | 47.00 | - | - | - | - | - | - | - | - | - | - |
| Bilangan Lucutan Beban Number of Load Shedding | 2.00 | | | | | | | | | | | |
| Tenaga Tidak Dibekalkan Semasa Lucutan Beban (MWj) Unsupplied Energy During Load Shedding (MWh) | - | - | - | - | - | - | - | - | - | - | - | - |

Carta 29: DePUI – Minit Sistem SEB (Tahun Kewangan)
Chart 29: DePUI- System Minutes of SEB (Financial Year)

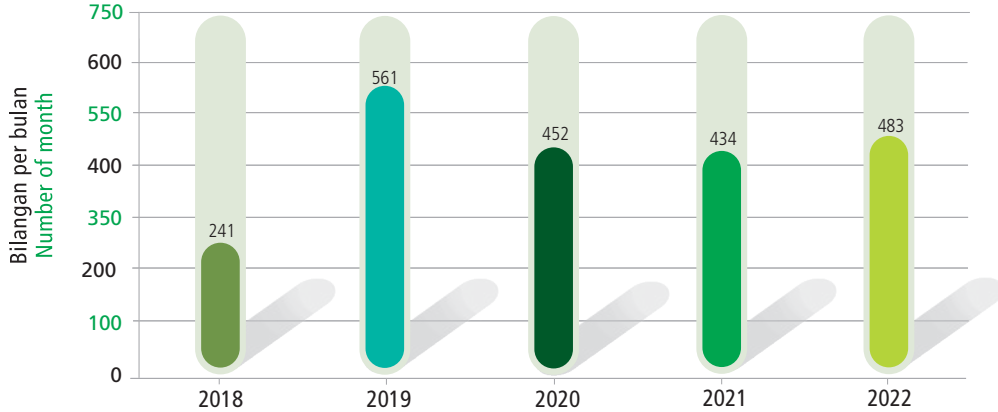


Prestasi Sistem Pengagihan di Sarawak

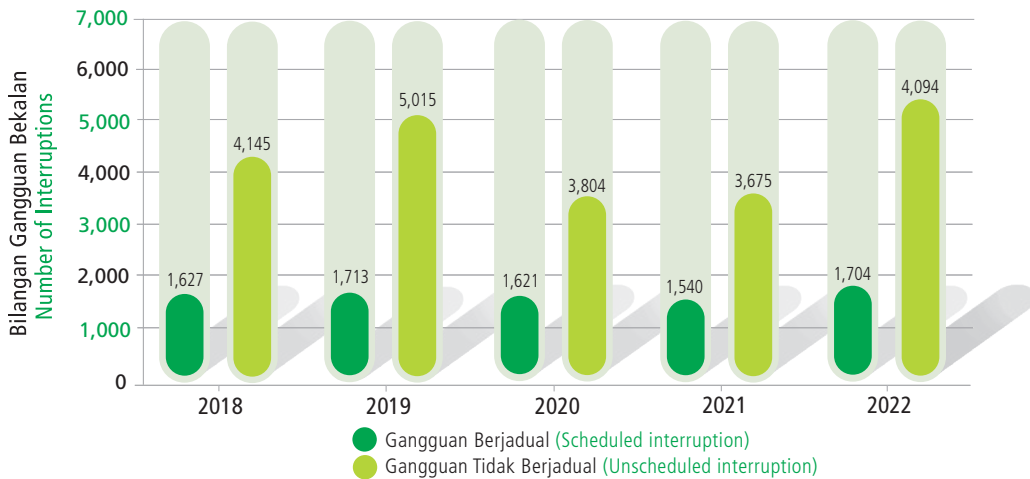
Distribution System Performance in Sarawak

GANGGUAN BEKALAN ELEKTRIK ELECTRICITY SUPPLY INTERRUPTIONS

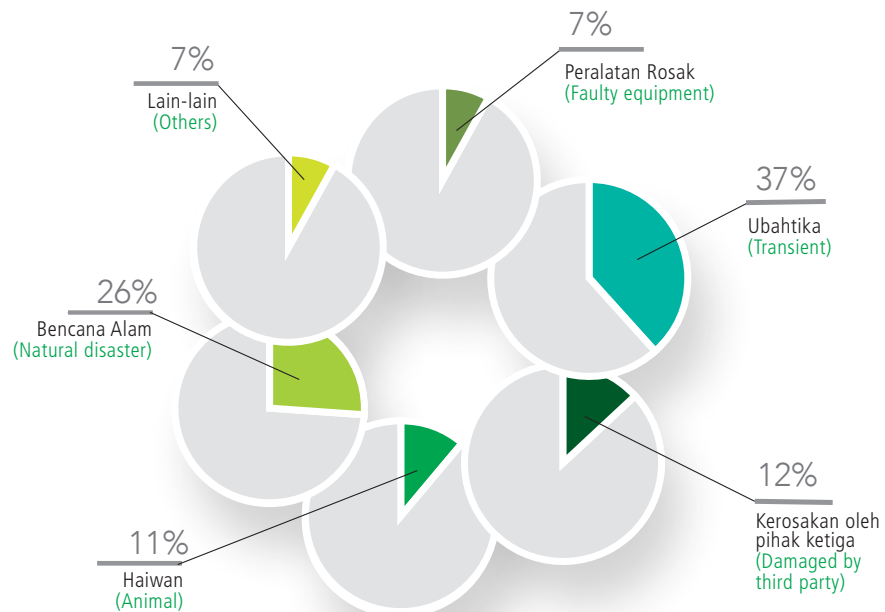
Carta 30: Purata Gangguan Bekalan Elektrik Bulanan
Chart 30: Monthly Average Electricity Supply Interruptions



Carta 31: Bilangan Gangguan Bekalan Elektrik
Chart 31: Number of Electricity Supply Interruptions



Carta 32: Punca-punca Gangguan Bekalan Elektrik
Chart 32: Causes of Power Outages

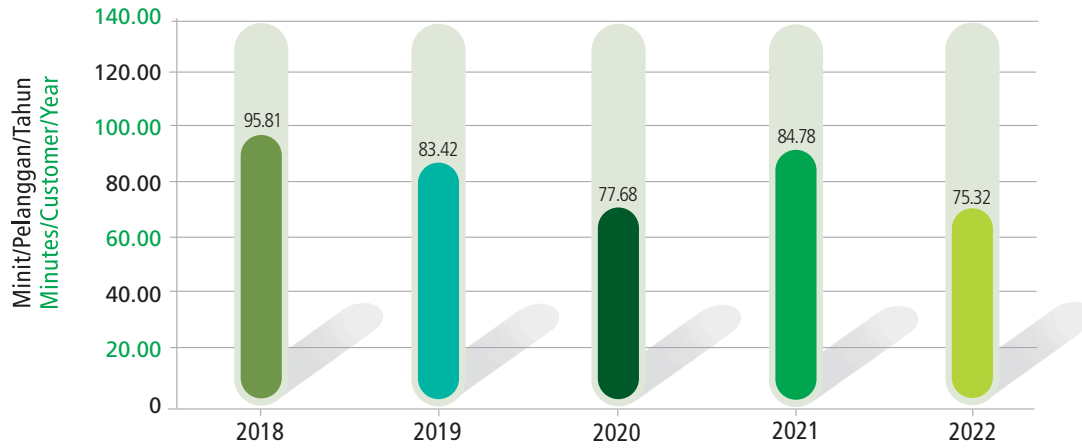


Prestasi Sistem Pengagihan di Sarawak

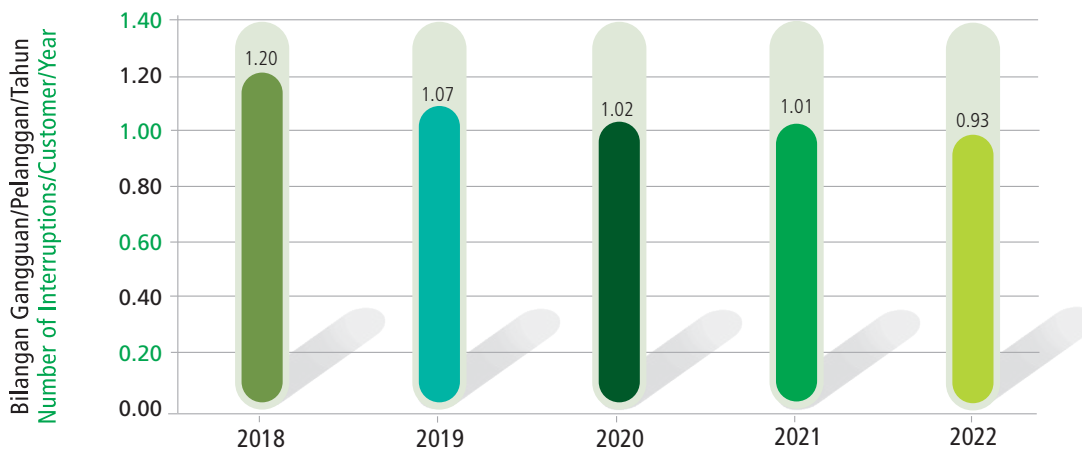
Distribution System Performance in Sarawak

SAIDI, SAIFI & CAIDI SAIDI, SAIFI & CAIDI

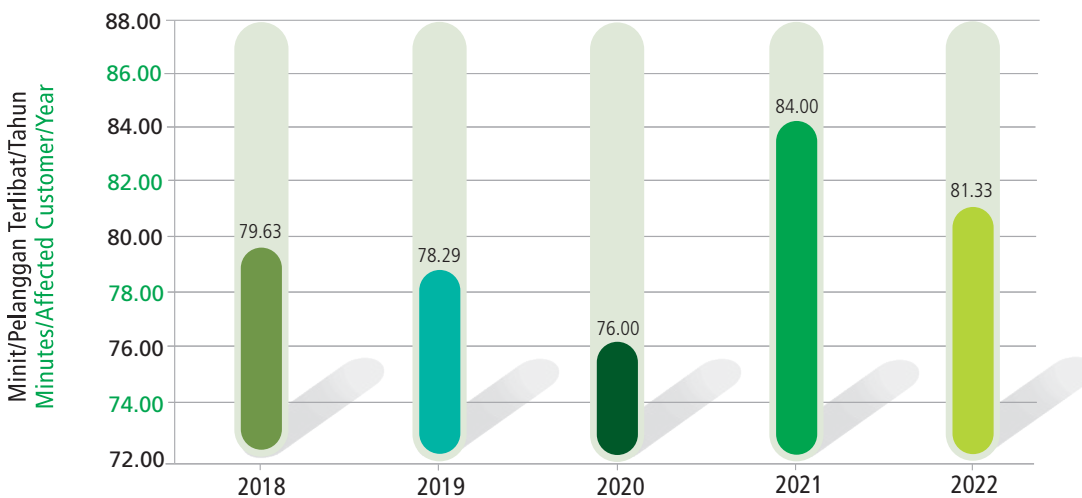
Carta 33: SAIDI
Chart 33: SAIDI



Carta 34: SAIFI
Chart 34: SAIFI



Carta 35: CAIDI
Chart 35: CAIDI



MAKLUMAT INDUSTRI PEMBEKALAN ELEKTRIK DI SEMENANJUNG MALAYSIA

Information on The Electricity Supply Industry in Peninsular Malaysia



Maklumat Industri Pembekalan Elektrik di Semenanjung Malaysia

Information on the Electricity Supply Industry in Peninsular Malaysia

Jadual 19: Maklumat Utama Prestasi TNB
Table 19: Key information on the Performance of TNB

| Petunjuk Indicator | Unit | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|---|---------|---------|---------|---------|---------------------|
| Kehendak Maksimum Maximum Demand | MW | 18,338 | 18,566 | 18,808 | 18,585 | 19,183 ¹ |
| Jumlah Unit Penjanaan ² Total Units Generated ² | GWj GWh | 17,827 | 16,735 | 16,642 | 17,041 | 14,853 |
| Jumlah Unit Jualan ³ Total Units Sold ³ | GWj GWh | 113,469 | 116,525 | 110,879 | 111,858 | 118,882 |
| Hasil Jualan Elektrik Sales Revenue of Electricity | RM Juta RM Million | 45,029 | 46,487 | 44,435 | 44,654 | 47,623 |
| Kapasiti Terpasang ⁴ Installed Capacity ⁴ | MW | 5,066 | 4,766 | 4,509 | 4,529 | 4,529 |
| Jumlah Kakitangan ⁵ Number of Employees ⁵ | Orang Person | 28,371 | 28,825 | 27,957 | 27,243 | 26,990 |
| Hasil Jualan Elektrik Per Kakitangan Sales Revenue of Electricity Per Employee | RM Juta/Kakitangan RM Million/Employee | 1.59 | 1.61 | 1.59 | 1.64 | 1.76 |
| Unit Jualan Per Kakitangan Units Sold Per Employee | GWj/Kakitangan GWh/Employee | 4.00 | 4.04 | 3.96 | 4.11 | 4.40 |
| Kapasiti Terpasang Per Kakitangan Installed Capacity Per Employee | MW/Kakitangan MW/Employee | 0.18 | 0.17 | 0.16 | 0.17 | 0.17 |
| Jumlah Unit Pembelian ⁶ Total Purchased Units ⁶ | GWj GWh | 108,912 | 112,899 | 110,059 | 116,356 | 123,035 |
| Jumlah Unit yang Dieksport Total Exported Units | GWj GWh | 0.08 | 0.26 | 3.00 | 1.00 | 1.00 |
| Jumlah Unit yang Diimport Total Imported Units | GWj GWh | 19.98 | 40.58 | 18.00 | 34.00 | 3.00 |

Nota I Notes:

- ¹ 124 Mei 2022
¹ 24 May 2022
- ²Penjanaan oleh stesen jana kuasa TNB yang bersambung di peringkat penghantaran, tidak termasuk IPP
²Units generated by TNB power plants connected at transmission level, excluding IPP
- ³Tidak termasuk eksport
³Excluding export
- ⁴Kapasiti terpasang bagi stesen jana kuasa TNB yang bersambung di peringkat penghantaran, tidak termasuk IPP
⁴Installed capacity of TNB power plants connected at transmission level, excluding IPP
- ⁵Tidak termasuk anak syarikat milik penuh TNB dan anak syarikat dengan pemilikan majoriti
⁵Excluding TNB wholly-owned subsidiaries and TNB majority-owned subsidiaries
- ⁶Unit yang dibeli daripada IPP
⁶Units purchased from IPP

Maklumat Industri Pembekalan Elektrik di Semenanjung Malaysia

Information on the Electricity Supply Industry in Peninsular Malaysia

Jadual 20: Kapasiti Terpasang (MW) & Kebolehdapatan Keseluruhan TNB

Table 20: TNB Installed Capacity (MW) & Overall Availability

| Sumber Tenaga Energy Source | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------------|---------------|---------------|---------------|---------------|
| Hidro Hydro | 2,536 | 2,536 | 2,536 | 2,556 | 2,556 |
| Gas Asli Natural Gas | 2,530 | 2,230 | 1,973 | 1,973 | 1,973 |
| Jumlah Total | 5,066 | 4,766 | 4,509 | 4,529 | 4,529 |
| Kebolehdapatan Keseluruhan Overall Availability | 91.77% | 91.31% | 94.10% | 89.78% | 89.01% |

Nota I Notes:

Kapasiti terpasang bagi stesen jana kuasa TNB yang bersambung di talian penghantaran, tidak termasuk IPP.

Installed capacity of TNB power plants connected at transmission level, excluding IPP.

Jadual 21: Campuran Penjanaan TNB (GWj)

Table 21: TNB Generation Mix (GWh)

| Sumber Tenaga Energy Source | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------------------|---------------|---------------|---------------|---------------|---------------|
| Hidro Hydro | 4,915 | 3,919 | 5,426 | 6,840 | 6,783 |
| Gas Asli Natural Gas | 12,911 | 12,816 | 11,216 | 10,201 | 8,065 |
| MFO / Diesel / Distillate | - | 0.43 | - | - | - |
| Jumlah Total | 17,827 | 16,735 | 16,642 | 17,041 | 14,848 |

Nota I Notes:

1. Penjanaan oleh stesen jana kuasa TNB yang bersambung di talian penghantaran, tidak termasuk IPP.

Units generated by TNB power plants connected at transmission level, excluding IPP.

2. Penjanaan elektrik adalah merujuk kepada penjanaan bersih.

Electricity generation refers to the net generation.

Jadual 22: Bilangan Pengguna TNB

Table 22: Number of TNB Consumers

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------------|------------------|------------------|------------------|------------------|------------------|
| Domestik Domestic | 7,378,425 | 7,553,229 | 7,728,383 | 7,916,379 | 8,113,221 |
| Komersial Commercial | 1,553,607 | 1,575,198 | 1,590,434 | 1,618,366 | 1,657,478 |
| Industri Industry | 29,749 | 30,520 | 31,637 | 32,846 | 33,542 |
| Lampu Awam Public Lighting | 72,554 | 75,463 | 77,982 | 80,866 | 83,488 |
| Perlombongan Mining | 45 | 53 | 53 | 60 | 59 |
| Pertanian Agriculture | 2,228 | 2,326 | 2,431 | 2,548 | 2,663 |
| Unit Percuma Free Units | 2,589 | 2,622 | 2,641 | 2,732 | 2,835 |
| Jumlah Total | 9,039,197 | 9,239,411 | 9,433,561 | 9,653,797 | 9,893,286 |

Nota I Notes:

Unit Percuma merupakan bekalan elektrik yang tidak dikenakan bayaran bil bulanan. Premis yang layak merupakan premis-premis TNB termasuk bangunan pejabat, rumah kelab, kuarters, pencawang masuk utama, pencawang pembahagian utama dan pencawang elektrik.

Free Units refer to electricity provided for free without being charged for monthly bill payments. Eligible premises are TNB premises including office buildings, clubhouse, quarters, main substations, transmission substations and distribution substations.

Maklumat Industri Pembekalan Elektrik di Semenanjung Malaysia

Information on the Electricity Supply Industry in Peninsular Malaysia

Jadual 23: Jualan Tenaga Elektrik TNB (GWj)

Table 23: TNB Electricity Sales (GWh)

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| Domestik Domestic | 25,522 | 27,267 | 29,961 | 31,485 | 31,439 |
| Komersial Commercial | 39,265 | 40,428 | 35,831 | 34,060 | 39,666 |
| Industri Industry | 46,440 | 46,403 | 42,790 | 43,967 | 45,361 |
| Lampu Awam Public Lighting | 1,476 | 1,590 | 1,475 | 1,499 | 1,544 |
| Perlombongan Mining | 149 | 175 | 134 | 164 | 202 |
| Pertanian Agriculture | 617 | 663 | 688 | 683 | 671 |
| Eksport Export | 0.08 | 0.26 | 3.00 | 1.00 | 1.00 |
| *Unit Percuma *Free Units | 322 | 291 | 246 | 244 | 290 |
| Jumlah Total | 113,469 | 116,526 | 110,882 | 111,859 | 118,883 |

Nota | Notes:

Unit Percuma adalah termasuk dalam sektor komersial. Free Units are included in the commercial sector.

Jadual 24: Penggunaan Tenaga Elektrik (GWj) Mengikut Negeri di Semenanjung Malaysia

Table 24: Electricity Consumption (GWh) by States in Peninsular Malaysia

| Negeri State | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------|----------------|----------------|----------------|----------------|----------------|
| Perlis | 749 | 716 | 685 | 696 | 761 |
| Kedah | 5,415 | 5,489 | 5,298 | 5,387 | 5,950 |
| Pulau Pinang | 11,862 | 11,922 | 11,179 | 11,542 | 12,295 |
| Perak | 9,149 | 9,443 | 9,096 | 9,229 | 9,541 |
| Selangor | 29,613 | 30,111 | 28,772 | 29,455 | 31,085 |
| WP Kuala Lumpur | 15,072 | 15,440 | 14,523 | 14,048 | 15,413 |
| Negeri Sembilan | 6,047 | 6,205 | 5,988 | 6,072 | 6,446 |
| Melaka | 4,643 | 4,860 | 4,591 | 4,532 | 4,895 |
| Johor | 18,546 | 19,343 | 18,361 | 18,293 | 19,175 |
| Pahang | 5,581 | 5,737 | 5,315 | 5,383 | 5,710 |
| Terengganu | 3,079 | 3,350 | 3,144 | 3,218 | 3,313 |
| Kelantan | 2,449 | 2,589 | 2,650 | 2,731 | 2,910 |
| WP Putrajaya | 1,266 | 1,319 | 1,276 | 1,273 | 1,388 |
| Jumlah Total | 113,469 | 116,524 | 110,879 | 111,858 | 118,882 |

Nota | Notes:

Tidak termasuk eksport. Excluding exports

Maklumat Industri Pembekalan Elektrik di Semenanjung Malaysia

Information on the Electricity Supply Industry in Peninsular Malaysia

Jadual 25: Sistem Penghantaran TNB

Table 25: TNB Transmission System

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|
| Talian & Kabel Sistem Penghantaran Transmission System Lines & Cables | | | | | |
| 500 kV (cct-km) | 1,628 | 1,886 | 2,176 | 2,567 | 3,045 |
| 275 kV (cct-km) | 9,047 | 9,597 | 9,406 | 9,526 | 9,588 |
| 132 kV (cct-km) | 12,407 | 12,482 | 12,697 | 12,761 | 12,877 |
| Pencawang Penghantaran Transmission Substations | | | | | |
| Bilangan Number | 443 | 457 | 462 | 472 | 480 |
| Keupayaan (MVA) Capacity (MVA) | 115,120 | 121,590 | 125,490 | 130,710 | 137,610 |

Jadual 26: Sistem Pengagihan TNB

Table 26: TNB Distribution system

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------|---------|---------|---------|---------|
| Talian & Kabel Sistem Pengagihan¹ Distribution System Lines & Cables¹ | | | | | |
| Talian Atas (km) Overhead Lines (km) | 352,565 | 366,568 | 379,468 | 392,894 | 405,610 |
| Kabel Bawah Tanah (km) Underground Cables (km) | 307,474 | 316,439 | 323,844 | 330,241 | 336,154 |
| Pencawang Pengagihan Distribution Substations | | | | | |
| Bilangan Number | 81,327 | 83,467 | 85,127 | 86,468 | 87,947 |
| Keupayaan (MVA) Capacity (MVA) | 114,089 | 117,436 | 120,301 | 123,084 | 125,171 |

Jadual 27: Kapasiti Terpasang di Semenanjung Malaysia
Table 27: Peninsular Malaysia Installed Capacity

| | Stesen Jana Kuasa Power Station | Sumber Tenaga Energy Source | Kapasiti Terpasang (MW) Installed Capacity (MW) | TAAC (MW) | |
|-------------------------------------|--|---------------------------------|--|------------------|-----------------|
| TNB | SJ Temenggor - Sg Perak Scheme | Hidro Hydro | 348.00 | 348.00 | |
| | SJ Bersia Sg - Perak Scheme | | 72.00 | 72.00 | |
| | SJ Kenering - Sg Perak Scheme | | 120.00 | 120.00 | |
| | SJ Chenderoh - Sg Perak Scheme | | 40.50 | 40.50 | |
| | Sg Piah Upper - Sg Perak Scheme | | 68.60 | 68.60 | |
| | Sg Piah Lower- Sg Perak Scheme | | | | |
| | SJ Pergau | | 600.00 | 600.00 | |
| | SJ Sultan Mahmud, Kenyir-Hydro | | 400.00 | 400.00 | |
| | SJ Jor | | 100.00 | 100.00 | |
| | SJ Woh | | 150.00 | 150.00 | |
| | SJ Hulu Terengganu-Hydro | | 265.00 | 265.00 | |
| | SJ Tembat - Hydro | | | | |
| | SJ Ulu Jelai -Hydro ^d | | | | |
| | SJ Hidro Mini ^d Mini Hydro Power Station ^d | | Hidro mini Mini hydro | 15.91 | 15.31 |
| | SJ Putrajaya | Gas asli Natural gas-OCGT | 252.00 | 252.00 | |
| | SJ Gelugor | Gas asli Natural gas-CCGT | 310.00 | 310.00 | |
| | SJ Tuanku Jaafar, Port Dickson | Gas asli Natural gas-CCGT | 1,411.00 | 1,411.00 | |
| | | Jumlah TNB Total TNB | | 4,525.01 | 4,524.41 |
| IPP | Kuala Langat Power Plant Sdn. Bhd., Kuala Langat | Gas asli Natural gas-CCGT | 675.00 | 675.00 | |
| | Panglima Power Berhad, Telok Gong | | 720.00 | 720.00 | |
| | GB3 Sdn. Bhd. | | 640.00 | 640.00 | |
| | Prai Power Sdn. Bhd., Prai | | 350.00 | 350.00 | |
| | Segari Energy Ventures Sdn. Bhd., Lumut | | 1,303.00 | 1,303.00 | |
| | Teknologi Tenaga Perlis Consortium Sdn. Bhd., Perlis | | 650.00 | 650.00 | |
| | EDRA Energy Sdn. Bhd. | | 2,242.13 | 2,242.13 | |
| | TNB Connaught Bridge Sdn. Bhd. | | 375.00 | 374.00 | |
| | TNB Prai Sdn. Bhd. | | 1,071.43 | 1,071.43 | |
| | Southern Power Generation Sdn. Bhd. | | 1,440.00 | 1,440.00 | |
| | NUR Generation Sdn. Bhd. ^d | | 220.00 | 210.00 | |
| | Pengerang Power Sdn. Bhd. | | Gas asli Natural gas-Cogen | 600.00 | 600.00 |
| | Kapar Energy Ventures Sdn. Bhd. (GF1) | | Gas asli Natural gas - Conventional Thermal | 600.00 | 591.42 |
| | Jimah Energy Ventures Sdn. Bhd. | Arang batu Coal - Thermal | 1,400.00 | 1,400.00 | |
| | Tanjung Bin Power Sdn. Bhd. | | 2,100.00 | 2,100.00 | |
| | Tanjung Bin Energy Sdn. Bhd. | | 1,000.00 | 1,000.00 | |
| | Kapar Energy Ventures Sdn. Bhd. (GF2) | | 600.00 | 569.51 | |
| | Kapar Energy Ventures Sdn. Bhd. (GF3) | | 1,000.00 | 911.98 | |
| | TNB Janamanjung (1,2,3) Sdn. Bhd. | | 2,070.00 | 2,070.00 | |
| | TNB Janamanjung (4) Sdn. Bhd. | | 1,010.00 | 1,010.00 | |
| | TNB Manjung Five Sdn. Bhd. | | 1,000.00 | 1,000.00 | |
| Jimah East Power Sdn. Bhd. | 2,000.00 | | 2,000.00 | | |
| Musteq Hydro Sdn. Bhd. ^d | Hidro mini Mini hydro | | 20.00 | 20.00 | |
| | Jumlah IPP IPP Total | | 23,086.56 | 22,948.46 | |
| | Jumlah Besar (TNB + IPP) Grand Total (TNB + IPP) | | 25,611.57 | 27,472.87 | |

Jadual 27: Kapasiti Terpasang di Semenanjung Malaysia
Table 27: Peninsular Malaysia Installed Capacity

| | Kategori Category | Sumber Tenaga Energy Source | Kapasiti Terpasang (MW) Installed Capacity (MW) |
|--|-----------------------|---|--|
| | LAIN-LAIN/OTHERS | Cogeneration Awam ^d Public Cogen ^d | Gas asli Natural gas* |
| Sisa Proses Industri Process Industrial Waste | | | 1.87 |
| Jumlah Total | | | 300.86 |
| Cogen Persendirian ^o Private Cogeneration ^o | | Gas asli Natural gas | 443.69 |
| | | Sisa proses industri Process industrial waste | 213.00 |
| | | Haba sisa proses perindustrian Industrial process waste heat | 12.00 |
| | | Biojisim Biomass | 5.56 |
| | | Jumlah Total | 674.25 |
| Feed-in-Tarif ^d | | Biogas | 128.01 |
| | | Biojisim Biomass | 44.85 |
| | | Hidro mini Mini hydro | 76.80 |
| | | Solar | 288.05 |
| | | Jumlah Total | 537.71 |
| Net Energy Metering (NEM) ^d | | Solar | 697.45 |
| | | Jumlah Total | 697.45 |
| Solar Berskala Besar Large Scale Solar (LSS) | | < 30 MW ^d | 250.46 |
| | | > 30 MW | 1,079.79 |
| | | Jumlah Total | 1,330.25 |
| Persendirian < 5MW ^s Self Gen < 5MW ^s | | Gas asli Natural gas | 6.66 |
| | Diesel/MFO/Distillate | 35.20 | |
| | Hidro mini Mini hydro | 0.53 | |
| | Solar | 21.50 | |
| | Biojisim Biomass | 69.17 | |
| | Biogas | 0.94 | |
| | Lain-lain Others | 9.79 | |
| | Jumlah Total | 143.78 | |
| Persendirian > 5MW ^s Self Gen > 5MW ^s | Biojisim Biomass | 35.65 | |
| | Jumlah Total | 35.65 | |
| Total Lain-Lain Total Others | | | 3,719.95 |
| Jumlah Besar (TNB + IPP + Lain-Lain) Grand Total (TNB + IPP + Others) | | | 31,331.52 |

Nota | Notes:

- ^dBersambung di peringkat pengagihan. ^dConnected at the distribution level.
- *Termasuk 100 MW yang bersambung di peringkat penghantaran. [†]Including 100 MW connected at the transmission level.
- ^oCogen persendirian menjana elektrik untuk kegunaan sendiri. Private cogen generate electricity for their own consumption.
- ^sSELCO ^sSELCO

Jadual 27a: Kapasiti Terpasang Mengikut Sumber Tenaga di Semenanjung Malaysia (MW)
Table 27a: Peninsular Malaysia Installed Capacity by Energy Source (MW)

| Penjana Generator | Sumber Tenaga Energy Source | | | | | | | | | | | Jumlah Total | % | |
|-------------------------------------|-----------------------------|----------------------|-----------------------|-----------------|-----------------------|--------------|------------------|---------------|--------------------------------|----------------------|------------------|------------------|----------------|-------|
| | Arang Batu Coal | Gas Asli Natural Gas | Diesel/Oil/Distillate | Hidro Hydro | Hidro Mini Mini Hydro | Solar | Biojisim Biomass | Biogas | Sisa Industri Industrial waste | Haba Sisa Waste Heat | Lain-lain Others | | | |
| TNB | | 1,973.00 | | 2,536.10 | 15.91 | | | | | | | | 4,525.01 | 14.44 |
| IPP | 12,180.00 | 10,886.56 | | | 20.00 | | | | | | | | 23,086.56 | 73.68 |
| Cogen Awam Public Cogen | | 298.99 | | | | | | | 1.87 | | | | 300.86 | 0.96 |
| Cogen Persendirian Private Cogen | | 443.69 | | | | | | | 213.00 | 12.00 | | | 674.25 | 2.15 |
| FIT | | | | | 76.80 | | | | | 288.05 | | 128.01 | 537.71 | 1.72 |
| NEM | | | | | | | | | | 697.45 | | | 697.45 | 2.23 |
| LSS < 30 MW | | | | | | | | | | 250.46 | | | 250.46 | 0.80 |
| LSS > 30 MW | | | | | | | | | | 1,079.79 | | | 1,079.79 | 3.45 |
| Persendirian < 5 MW Self Gen < 5 MW | | 6.66 | 35.20 | | 0.53 | | | | | 21.50 | | 0.94 | 143.78 | 0.46 |
| Persendirian > 5 MW Self Gen > 5 MW | | | | | | | | | | | | 35.65 | 35.65 | 0.11 |
| Jumlah Total | 12,180.00 | 13,608.90 | 35.20 | 2,536.10 | 117.58 | 2,337 | 155.23 | 128.94 | 214.87 | 12.00 | 9.79 | 31,331.52 | 100.00% | |
| % | 38.87 | 43.44 | 0.11 | 8.09 | 0.36 | 7.46 | 0.50 | 0.41 | 0.69 | 0.04 | 0.03 | 100.00% | | |

Nota | Notes:

1. Termasuk stesen jana kuasa yang bersambung di peringkat pengagihan dan off-grid. Includes the distribution level and off-grid power plants.
2. Lain-lain merujuk kepada sumber tenaga selain daripada TBB. Others refers to non-RE resources.

Jadual 28: Penjanaan Elektrik Mengikut Sumber Tenaga di Semenanjung Malaysia (GWj)

Table 28: Peninsular Malaysia Electricity Generation by Energy Source (GWWh)

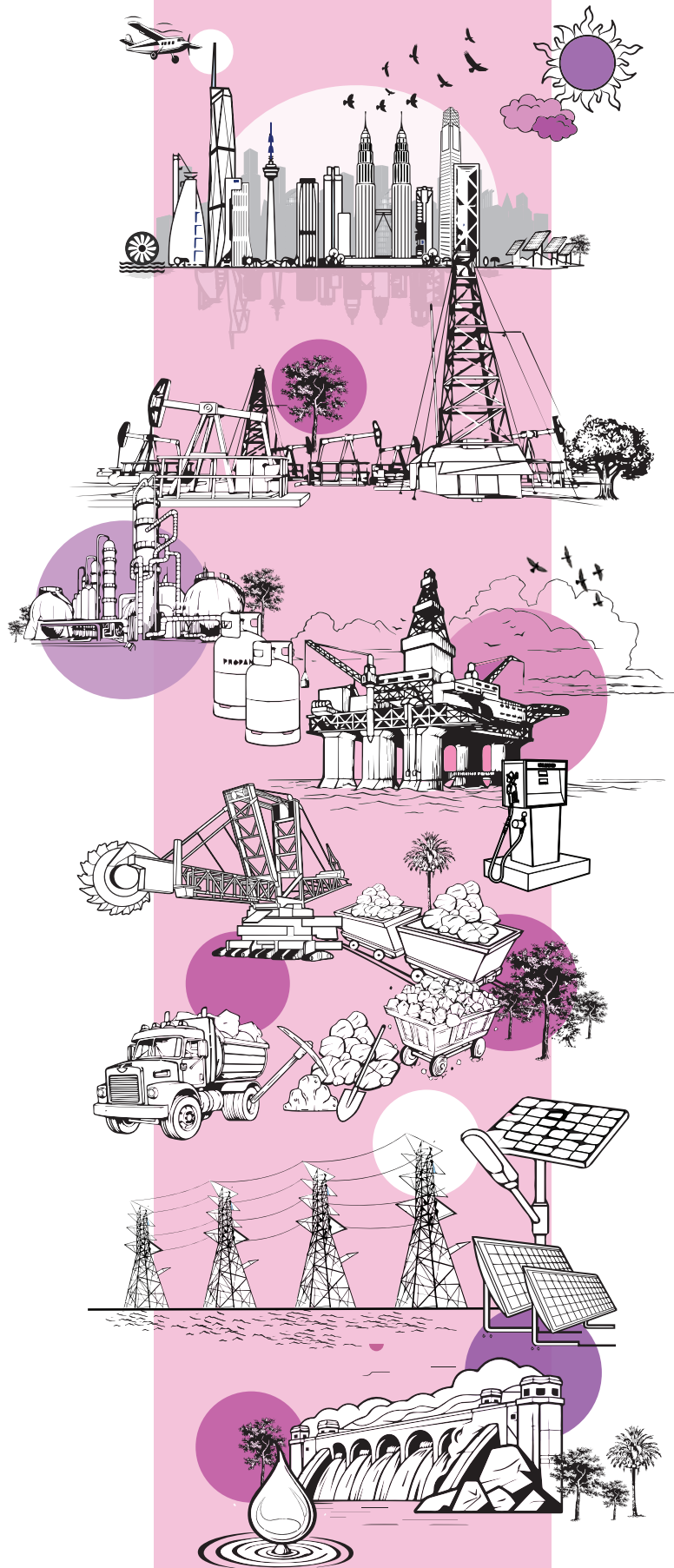
| Penjana Generator | Sumber Tenaga Energy Source | | | | | | | | | | | Jumlah Total | % | | |
|-------------------------------------|-----------------------------|----------------------|-----------------------|-----------------|-----------------------|-----------------|------------------|---------------|--------------------------------|----------------------|------------------|-------------------|----------------|------------|-------|
| | Arang Batu Coal | Gas Asli Natural Gas | Diesel/Oil/Distillate | Hidro Hydro | Hidro Mini Mini hydro | Solar | Biojisim Biomass | Biogas | Sisa Industri Industrial Waste | Haba Sisa Waste Heat | Lain-lain Others | | | | |
| TNB* | | 8,065.19 | 4.68 | | 31.13 | | | | | | | | | 14,852.53 | 10.50 |
| IPP* | 72,373.21 | 42,009.49 | 918.15 | | 116.27 | | | | | | | | | 115,417.12 | 81.62 |
| Cogen Awam Public Cogen | | 1,824.52 | | | | | | | 9.60 | | | | | 1,834.13 | 1.30 |
| Cogen Persendirian Private Cogen | | 2,574.31 | 653.72 | | | | | 10.94 | 1,061.57 | 190.08 | | | | 4,490.62 | 3.18 |
| FIT | | | | | 320.36 | | | 372.84 | 116.65 | 503.39 | | | | 1,313.24 | 0.93 |
| NEM | | | | | | | | 855.36 | | | | | | 855.36 | 0.60 |
| LSS <30 MW | | | | | | | | 412.75 | | | | | | 412.75 | 0.29 |
| LSS >30 MW | | | | | | | | 1,622.47 | | | | | | 1,622.47 | 1.15 |
| Persendirian < 5 MW Self-Gen < 5 MW | | 23.90 | 37.46 | | 1.28 | 25.18 | 464.26 | 0.06 | | | | | 13.99 | 566.13 | 0.40 |
| Persendirian > 5 MW Self-Gen > 5 MW | | | 1.30 | | | | 40.96 | | | | | | | 42.26 | 0.03 |
| Jumlah Total | 72,373.21 | 54,497.41 | 1,615.31 | 6,751.54 | 469.04 | 3,288.59 | 632.81 | 503.45 | 1,071.18 | 190.08 | 13.99 | 141,406.60 | 100.00% | | |
| % | 51.18 | 38.54 | 1.14 | 4.77 | 0.33 | 2.33 | 0.45 | 0.36 | 0.76 | 0.13 | 0.01 | | | | |

Nota I Notes:

1. Termasuk stesen jana kuasa yang bersambung di peringkat pengagihan dan *off-grid*. I Includes the distribution level and off-grid power plants.
- 2.* Penjanaan elektrik merujuk kepada penjanaan bersih. I Electricity generation refers to the net-generation.
3. Lain-lain merujuk kepada sumber tenaga selain daripada TBB. I Others refers to non-RE resources.

MAKLUMAT INDUSTRI PEMBEKALAN ELEKTRIK DI SABAH

Information on The Electricity Supply Industry in Sabah



Maklumat Industri Pembekalan Elektrik di Sabah

Information on the Electricity Supply Industry in Sabah

Jadual 29: Maklumat Utama Prestasi SESB
Table 29: Key Information on SESB Performance

| Petunjuk Indicator | Unit | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|---|-------|-------|-------|-------|--------------------|
| Kehendak Maksimum Maximum Demand | MW | 955 | 1,001 | 987 | 1,003 | 1,029 ¹ |
| Jumlah Unit Penjanaan Total Units Generated | GWj GWh | 1,033 | 1,124 | 1,178 | 1,250 | 1,141 |
| Jumlah Unit Jualan Total Units Sold | GWj GWh | 5,345 | 5,576 | 5,331 | 5,356 | 5,735 |
| Hasil Jualan Elektrik Sales Revenue of Electricity | RM Juta RM Million | 1,830 | 1,913 | 1,828 | 1,843 | 1,967 |
| Kapasiti Penjanaan Boleh Harap Dependable Generation Capacity | MW | 328 | 328 | 329 | 339 | 350 |
| Jumlah Kakitangan Number of Employees | Orang Person | 3,179 | 3,180 | 3,134 | 3,197 | 3,313 |
| Hasil Jualan Elektrik Per Kakitangan Sales Revenue of Electricity Per Employee | RM Juta/Kakitangan RM Million/Employee | 0.58 | 0.60 | 0.58 | 0.58 | 0.59 |
| Unit Jualan per Kakitangan Units Sold per Employee | GWj/Kakitangan GWh/Employee | 1.68 | 1.75 | 1.70 | 1.68 | 1.73 |
| Kapasiti Boleh Harap per Kakitangan Dependable Capacity per Employee | MW/Kakitangan MW/Employee | 0.10 | 0.10 | 0.10 | 0.10 | 0.10 |
| Jumlah Unit Pembelian ² Total Purchased Units ² | GWj GWh | 5,382 | 5,597 | 5,072 | 5,263 | 5,696 |
| Jumlah Unit yang Dieksport Total Exported Units | GWj GWh | - | - | - | - | - |
| Jumlah Unit yang Diimport Total Imported Units | GWj GWh | - | - | - | - | - |

Nota | Notes:

1. ¹ Ogos 2022
¹ August 2022
2. ² Unit yang dibeli daripada IPP.
² Units purchased from the IPPs.

Jadual 30: Kapasiti Penjanaan Boleh Harap (MW) & Ketersediaan Keseluruhan SESB
Table 30: SESB Dependable Capacity (MW) & Overall Availability

| Sumber Tenaga Energy Source | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|---------------|---------------|---------------|---------------|---------------|
| Hidro & Hidro Mini Hydro & Mini Hydro | 74.6 | 79.9 | 69.3 | 78.0 | 72.2 |
| Gas Asli Natural Gas | 103.4 | 103.4 | 101.2 | 103.5 | 97.8 |
| Diesel/MFO | 150.1 | 149.7 | 158.0 | 129.8 | 190.0 |
| Jumlah Total | 328.1 | 333.0 | 328.5 | 311.3 | 359.9 |
| Kebolehdapatan keseluruhan Overall availability | 79.19% | 69.51% | 65.70% | 76.86% | 79.25% |

Nota | Notes:

Kapasiti boleh harap bagi SJ SESB yang bersambung di talian penghantaran, kecuali Melawa Mobile Gen Set yang hanya diguna pakai semasa kerja penutupan berjadual atau tidak berjadual.
 Dependable capacity of SESB power plants connected at transmission level, except Melawa Mobile Gen Set which is used for planned or emergency shutdown.

Maklumat Industri Pembekalan Elektrik di Sabah

Information on the Electricity Supply Industry in Sabah

Jadual 31: Penjanaaan SESB (GWj)
Table 31: SESB Generation (GWh)

| Sumber Tenaga Energy Source | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|----------------|----------------|----------------|----------------|----------------|
| Hidro & Hidro Mini Hydro & Mini Hydro | 354.6 | 337.8 | 416.8 | 374.8 | 332.5 |
| Gas Asli Natural Gas | 417.4 | 384.8 | 381.8 | 369.5 | 354.7 |
| Diesel/MFO | 260.7 | 311.3 | 311.5 | 496.4 | 453.4 |
| Jumlah Total | 1,032.6 | 1,033.9 | 1,110.1 | 1,240.7 | 1,140.7 |

Nota | Notes:

Penjanaaan oleh stesen jana kuasa SESB yang bersambung di talian penghantaran, termasuk Melawa Mobile Gen Set.

Units generated of SESB power plants connected at transmission level, including Melawa Mobile Gen Set.

Jadual 32: Bilangan Pengguna SESB
Table 32: Number of SESB Consumers

| Sektor Sector | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| Domestik Domestic | 505,239 | 519,308 | 529,185 | 544,186 | 599,312 |
| Komersial Commercial | 96,167 | 98,479 | 99,974 | 103,352 | 104,995 |
| Industri Industry | 1,589 | 1,598 | 1,603 | 1,614 | 1,645 |
| Lampu Awam Public Lighting | 6,129 | 6,335 | 6,535 | 6,585 | 6,672 |
| Jumlah Total | 609,124 | 625,720 | 637,297 | 655,737 | 672,624 |

Jadual 33: Jualan Tenaga Elektrik SESB (GWj)
Table 33: SESB Electricity Sales (GWh)

| Sektor Sector | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------------|--------------|--------------|--------------|--------------|--------------|
| Domestik Domestic | 1,774 | 1,863 | 2,035 | 2,092 | 2,072 |
| Komersial Commercial | 2,377 | 2,490 | 2,171 | 2,166 | 2,493 |
| Industri Industry | 1,118 | 1,147 | 1,043 | 1,023 | 1,093 |
| Lampu Awam Public Lighting | 77 | 76 | 82 | 75 | 77 |
| Jumlah Total | 5,345 | 5,576 | 5,331 | 5,355 | 5,735 |

Maklumat Industri Pembekalan Elektrik di Sabah

Information on the Electricity Supply Industry in Sabah

Jadual 34: Sistem Penghantaran SESB
Table 34: SESB Transmission System

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|-------|-------|-------|-------|-------|
| Talian & Kabel Sistem Penghantaran Transmission System Lines & Cables | | | | | |
| 275 kV (km) | 598 | 598 | 598 | 807 | 807 |
| 132 kV (km) | 2,180 | 2,217 | 2,240 | 2,244 | 2,214 |
| 66 kV (km) | 110 | 103 | 103 | 103 | 103 |
| Pencawang Penghantaran Transmission Substations | | | | | |
| Bilangan Number | 45 | 46 | 48 | 49 | 49 |
| Keupayaan (MVA) Capacity (MVA) | 5,049 | 5,489 | 5,399 | 6,349 | 6,454 |

Jadual 35: Sistem Pengagihan SESB
Table 35: SESB Distribution System

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|-------|--------|-------|--------------------|--------------------|
| Talian & Kabel Sistem Pengagihan Distribution System Lines & Cables | | | | | |
| Talian Atas (km) ¹ Overhead Lines (km) ¹ | 9,465 | 10,048 | 9,840 | 10,694 | 11,326 |
| Kabel Bawah Tanah (km) ^{1,2} Underground Cables (km) ^{1,2} | 1,109 | 1,616 | 1,612 | 1,697 | 1,710 |
| Pencawang Pengagihan Distribution Substations | | | | | |
| Bilangan Number | 7,957 | 8,597 | 8,610 | 118 ³ | 134 ³ |
| Keupayaan (MVA) Capacity (MVA) | 5,441 | 6,091 | 6,114 | 2,695 ³ | 1,910 ³ |

Nota | Notes:

- ¹ Sistem 11 kV dan 33 kV sahaja
¹ 11 kV and 33 kV only
- ² Data Tahun Kewangan SESB
² SESB Financial Year Data
- ³ 33kV (PPU)

Maklumat Industri Pembekalan Elektrik di Sabah

Information on the Electricity Supply Industry in Sabah

Jadual 36: Kapasiti Terpasang dan Kapasiti Boleh Harap di Sabah
Table 36: Sabah Installed and Dependable Capacity

| | Stesen Jana Kuasa Power Station | Sumber Tenaga Energy Source | Kapasiti Terpasang (MW) Installed Capacity (MW) | Kapasiti Boleh Harap (MW) Dependable Capacity (MW) |
|-------------|--|-----------------------------------|--|---|
| SESB | SJ Tenom Pangi | Hidro Hydro | 75.00 | 0.00 |
| | Hidro mini Mini hydro Merotai | Hidro mini Mini hydro | 1.00 | 0.50 |
| | Hidro mini Mini hydro Bombalai | Hidro mini Mini hydro | 1.00 | 0.80 |
| | Hidro mini Mini hydro Sayap | Hidro mini Mini hydro | 1.00 | 1.00 |
| | Hidro mini Mini hydro Carabau ^d | Hidro mini Mini hydro | 2.00 | 1.80 |
| | Hidro mini Mini hydro Naradau ^d | Hidro mini Mini hydro | 1.76 | 1.20 |
| | SJ Patau-Patau | Gas asli Natural gas - CCGT | 112.00 | 97.80 |
| | SJ Tawau | Diesel/MFO - DE | 44.00 | 22.90 |
| | SJ Kubota | Diesel/MFO - DE | 64.00 | 45.00 |
| | SJ Sandakan | Diesel/MFO - DE | 58.00 | 54.35 |
| | Ranau - Minor Station ^o | Diesel/MFO - DE | 26.17 | 11.80 |
| | Telupid - Minor Station ^o | Diesel/MFO - DE | 11.65 | 7.27 |
| | Tawau Canopy - Minor Station | Diesel/MFO - DE | 14.25 | 6.21 |
| | SJ Melawa | Diesel/MFO - DE | 16.23 | 13.64 |
| | Stesen-stesen Pedalaman ^o Rural Stations | Diesel/MFO - DE ^{d,o} | 3.65 | 3.25 |
| | | Solar - Solar Hybrid ^o | 29.93 | 27.85 |
| | Jumlah SESB SESB Total | | 461.64 | 295.38 |
| IPP | Ranhill Powertron Sdn. Bhd. (Teluk Salut) | Gas asli Natural gas - CCGT | 208.64 | 190.00 |
| | Sepanggar Bay Power Corporation | Gas asli Natural gas - CCGT | 124.40 | 100.00 |
| | Powertron II (Rugading) | Gas asli Natural gas - CCGT | 214.80 | 190.00 |
| | Kimanis Power Sdn. Bhd. | Gas asli Natural gas - CCGT | 285.00 | 285.00 |
| | SPR Energy (M) Sdn. Bhd. | Gas asli Natural gas - CCGT | 108.20 | 100.00 |
| | Serudong Sdn. Bhd. | Diesel/MFO - DE | 33.00 | 30.00 |
| | Stratavest Sdn Bhd (Libaran) | Diesel/MFO - DE | 32.20 | 33.00 |
| | | Jumlah IPP IPP Total | | 1,006.24 |
| | JUMLAH SESB + IPP SESB + IPP TOTAL | | 1,467.88 | 1,223.38 |

Maklumat Industri Pembekalan Elektrik di Sabah Information on the Electricity Supply Industry in Sabah

Jadual 36: Kapasiti Terpasang dan Kapasiti Boleh Harap di Sabah (Sambungan)
Table 36: Sabah Installed and Dependable Capacity

| | Stesen Jana Kuasa Power Station | Sumber Tenaga Energy Source | Kapasiti Terpasang (MW) Installed Capacity (MW) |
|---|---|--------------------------------|--|
| | | | |
| LAIN-LAIN/OTHERS | Cogen Awam ^d Public Cogen ^d | Biojisim Biomass | 22.25 |
| | | Jumlah Total | 22.25 |
| | Cogen Persendirian** Private Cogen** | Gas Asli Natural Gas | 65.00 |
| | | Biojisim Biomass | 7.50 |
| | | Jumlah Total | 72.50 |
| | FIT ^d | Biojisim Biomass | 13.80 |
| | | Biogas | 9.60 |
| | | Hidro Mini Mini hydro | 20.00 |
| | | Solar | 34.38 |
| | | Jumlah Total | 77.78 |
| | NEM | Solar | 0.03 |
| | | Jumlah Total | 0.03 |
| | LSS | LSS < 30 MW | 2.00 |
| | | LSS > 30 MW ^d | 48.00 |
| | | Jumlah Total | 50.00 |
| | Persendirian <5 MW ^S Self Gen < 5 MW ^S | Gas Asli Natural Gas | 4.36 |
| Diesel/MFO - DE | | 89.14 | |
| Biojisim Biomass | | 64.58 | |
| Biogas | | 1.61 | |
| Solar | | 1.38 | |
| Lain-lain Others | | 25.72 | |
| Jumlah Total | | 186.79 | |
| Persendirian > 5 MW ^S Self Gen >5 MW ^S | Gas Asli Natural Gas | 52.48 | |
| | Diesel/MFO - DE | 17.38 | |
| | Biojisim Biomass | 30.65 | |
| | Biogas | 15.18 | |
| | Jumlah Total | 115.69 | |
| Jumlah Lain-lain Total Others | | 525.04 | |
| Jumlah Besar Grand Total | | 1,992.92 | |

Nota | Notes:

1. ^dBersambung di peringkat pengagihan
^dConnected at the distribution level
2. **Cogeneration persendirian menjana elektrik untuk kegunaan sendiri
**Private cogenerations generate electricity for their own consumption
3. ^SSELCO
4. ^o Off-grid

Maklumat Industri Pembekalan Elektrik di Sabah

Information on the Electricity Supply Industry in Sabah

Jadual 36a: Kapasiti Terpasang Mengikut Sumber Tenaga di Sabah

Table 36a: Sabah Installed Capacity by Energy Sources

| Penjana Generator | Sumber Tenaga Energy Source | | | | | | | | | | Jumlah Total | % |
|---------------------------------------|--------------------------------|-------------------------------|----------------|-------------------------|--------------|---------------------|--------------|---------------------|--------------|-----------------|---------------|-------|
| | Gas Asli Natural Gas | Diesel/ MFO/ Distillate | Hidro Hydro | Hidro Mini MiniHydro | Solar | Biojisim Biomass | Biogas | Lain-lain Others | | | | |
| SESB | 112.00 | 267.88 | 75.00 | 6.76 | | | | | | | 461.64 | 23.16 |
| IPP | 941.04 | 65.20 | | | | | | | | | 1,006.24 | 50.49 |
| Cogen Awam Public Cogen | | | | | | 22.25 | | | | | 22.25 | 1.12 |
| Cogen Persendirian Private Cogen | 65.00 | | | | | 7.50 | | | | | 72.50 | 3.64 |
| FIT | | | | 20.00 | 34.38 | 13.80 | 9.60 | | | | 77.78 | 3.90 |
| NEM | | | | | 0.03 | | | | | | 0.03 | 0.00 |
| LSS < 30 MW | | | | | 2.00 | | | | | | 2.00 | 0.10 |
| LSS > 30 MW | | | | | 48.00 | | | | | | 48.00 | 2.41 |
| Persendirian < 5MW Self Gen < 5 MW | 4.36 | 89.14 | | | 1.38 | 64.58 | 1.61 | 25.72 | | | 186.79 | 9.37 |
| Persendirian > 5MW Self Gen > 5 MW | 60.08 | 17.38 | | | | 30.65 | 7.58 | | | | 115.69 | 5.81 |
| Jumlah Total | 1,182.48 | 439.60 | 75.00 | 26.76 | 85.80 | 138.78 | 18.79 | 25.72 | 25.72 | 1,992.92 | 100.00 | |
| % | 59.33 | 22.06 | 3.76 | 1.34 | 4.31 | 6.96 | 0.94 | 1.29 | 1.29 | 100.00 | | |

Nota | Notes:

1. Termasuk stesen jana kuasa yang bersambung di peringkat pengagihan dan off-grid. Includes the distribution level and off-grid power plant.
2. Lain-lain merujuk kepada sumber tenaga selain daripada TBB. Others refers to non-RE resources.

Maklumat Industri Pembekalan Elektrik di Sabah

Information on the Electricity Supply Industry in Sabah

Jadual 37: Penjanaaan Elektrik mengikut Sumber Tenaga di Sabah
Table 37: Sabah Electricity Generation by Energy Source

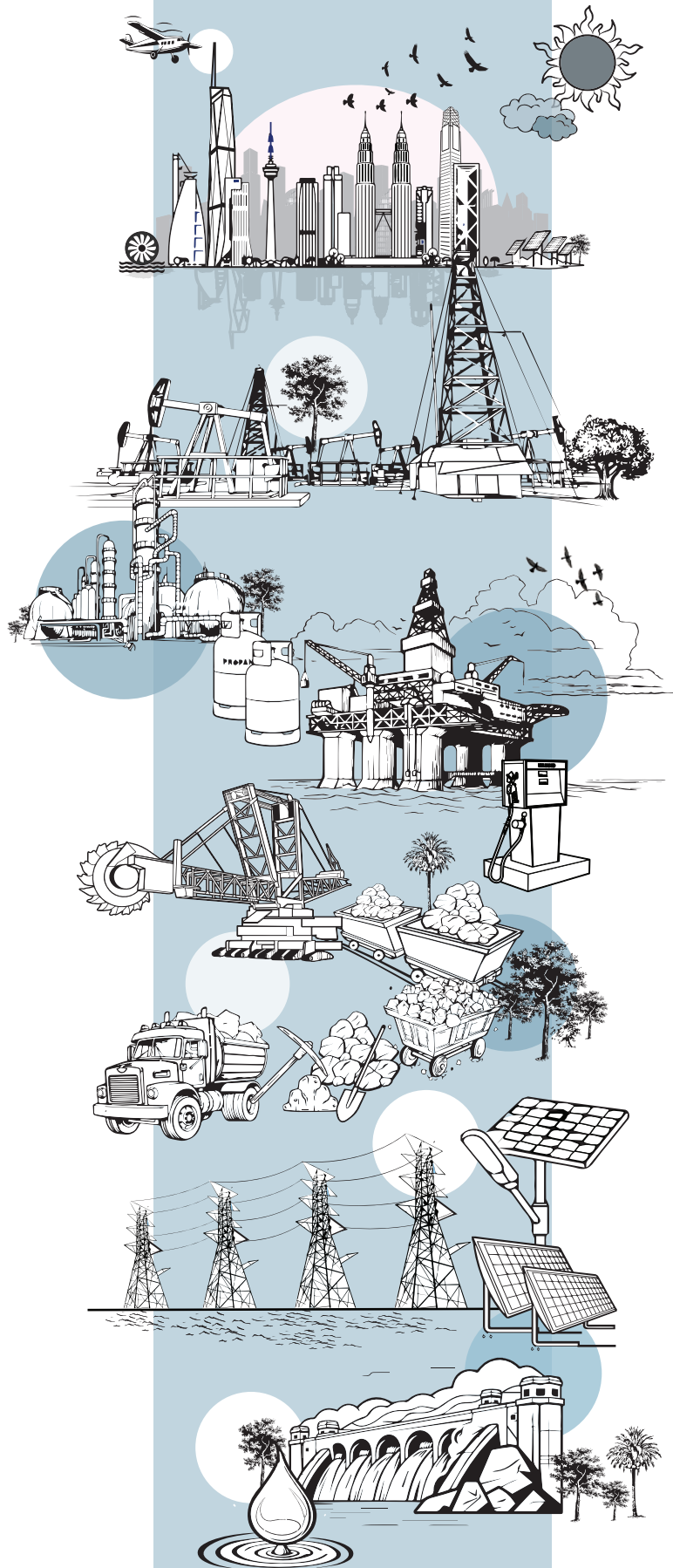
| Penjana Generator | Sumber Tenaga Energy Source | | | | | | | | | | | Jumlah Total | % | |
|-----------------------------------|-----------------------------|-----------------|---------------|-----------------------|---------------|------------------|--------------|--------------------------------|------------------|-------------|--------------|--------------|-----------------|---------------|
| | Gas Asli Natural Gas | Diesel/MFO | Hidro Hydro | Hidro Mini Mini Hydro | Solar | Biojisim Biomass | Biogas | Sisa Industri Industrial Waste | Lain-lain Others | | | | | |
| SESB | 354.73 | 453.44 | 303.90 | 28.60 | | | | | | | | | 1,140.67 | 14.31 |
| IPP | 5,410.74 | 185.88 | | | | | | | | | | | 5,596.62 | 70.22 |
| Cogen Awam Public Cogen | | | | | | 36.76 | | | | | | | 36.76 | 0.46 |
| Cogen Persendirian Private Cogen | 200.39 | 340.77 | | | | 9.85 | | | | | | | 551.01 | 6.91 |
| FIT | | | | 9.01 | 46.06 | 26.47 | 31.53 | | | | | | 113.07 | 1.42 |
| NEM | | | | | 0.04 | | | | | | | | 0.04 | 0.00 |
| LSS < 30 MW | | | | | 3.07 | | | | | | | | 3.07 | 0.04 |
| LSS > 30 MW | | | | | 71.83 | | | | | | | | 71.83 | 0.90 |
| Persendirian < 5MW Self Gen < 5MW | 60.27 | 192.15 | | | 2.37 | 103.19 | 3.62 | | | | | 34.95 | 396.55 | 4.98 |
| Persendirian > 5MW Self Gen > 5MW | 6.38 | 9.66 | | | | 32.02 | 5.15 | 7.80 | | | | | 61.01 | 0.77 |
| Jumlah Total | 6,032.50 | 1,181.90 | 303.90 | 37.62 | 123.37 | 208.28 | 40.31 | 7.80 | 34.95 | 7.80 | 34.95 | 34.95 | 7,970.63 | 100.00 |
| % | 75.68 | 14.83 | 3.81 | 0.47 | 1.55 | 2.61 | 0.51 | 0.10 | 0.44 | 0.10 | 0.44 | 0.44 | 100.00 | |

Nota | Notes:

1. Termasuk stesen jana kuasa yang bersambung di peringkat pengagihan dan off-grid. Includes the distribution level and off-grid power plants.
2. Lain-lain merujuk kepada sumber tenaga selain daripada TBB. Others refers to non-RE resources.

MAKLUMAT INDUSTRI PEMBEKALAN ELEKTRIK DI SARAWAK

Information On The Electricity Supply Industry In Sarawak



Maklumat Industri Pembekalan Elektrik Di Sarawak

Information on the Electricity Supply Industry In Sarawak

Jadual 38: Maklumat Utama Prestasi SEB
Table 38: Key Information on SEB Performance

| Petunjuk Indicator | Unit | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|---|--------|--------|--------|--------|--------------------|
| Kehendak Maksimum Maximum Demand | MW | 3,504 | 3,777 | 3,664 | 4,107 | 4,365 ¹ |
| Jumlah Unit Penjanaan Total Units Generated | GWj GWh | 27,177 | 29,457 | 28,088 | 31,025 | 33,172 |
| Jumlah Unit Jualan Total Units Sold | GWj GWh | 24,316 | 25,492 | 26,211 | 28,590 | 31,231 |
| Hasil Jualan Elektrik Sales Revenue of Electricity | RM Juta RM Million | 5,266 | 5,585 | 5,460 | 5,880 | 6,940 |
| Kapasiti Terpasang Installed Capacity | MW | 4,641 | 5,204 | 5,242 | 5,682 | 6,057 |
| Jumlah Kakitangan Number of Employees | Orang Person | 4,841 | 5,207 | 5,380 | 5,442 | 5,537 |
| Hasil Jualan Elektrik per Kakitangan Sales Revenue of Electricity per Employee | RM Juta/Kakitangan RM Million/Employee | 1.09 | 1.07 | 1.01 | 1.08 | 1.25 |
| Unit Jualan per Kakitangan Units Sold per Employee | GWj/Kakitangan GWh/Employee | 5.3 | 5.2 | 4.9 | 5.3 | 5.6 |
| Kapasiti Terpasang per Kakitangan Installed Capacity per Employee | MW/Kakitangan MW/Employee | 0.96 | 1.00 | 0.97 | 1.04 | 1.09 |
| Jumlah Unit Pembelian Total Purchased Units | GWj GWh | - | - | - | - | - |
| Jumlah Unit Eksport Total Exported Units | GWj GWh | 1,509 | 1,697 | 1,568 | 973.3 | 815.1 |
| Jumlah Unit Import Total Imported Units | GWj GWh | - | - | - | - | - |

Nota | Notes:

- 19 Julai 2022
19 July 2022

Jadual 39: Kapasiti Terpasang SEB (MW)
Table 39: SEB Installed Capacity (MW)

| Sumber Tenaga Energy Source | 2018 | 2019 | 2020 | 2021 | 2022 |
|--------------------------------|--------------------|--------------------|--------------------|--------------------|--------------|
| Hidro Hydro | 3,452 ¹ | 3,452 ¹ | 3,452 ¹ | 3,452 ¹ | 3,460 |
| Gas Asli Natural Gas | 595 | 584 | 584 | 1,005 | 1,426 |
| Arang Batu Coal | 480 | 1,104 | 1,104 | 1,104 | 1,054 |
| Diesel/MFO | 114 | 64 ² | 103 | 102 | 114 |
| Jumlah Total | 4,641 | 5,204 | 5,242 | 5,682 | 6,054 |

Nota | Notes:

- ¹Termasuk stesen jana kuasa Batang Ai, Murum dan Bakun.
¹ Inclusive of Batang Ai, Murum and Bakun power stations.
- ²Data diesel tidak termasuk stesen jana kuasa Limbang & Lawas.
² Diesel figure does not include Limbang & Lawas Power Station.

Jadual 40: Jualan Tenaga Elektrik SEB (GWj)
Table 40: SEB Electricity Sales (GWh)

| Sektor Sector | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------------|---------------|---------------|---------------|---------------|---------------|
| Domestik Domestic | 2,368 | 2,401 | 2,620 | 2,867 | 2,926 |
| Komersial Commercial | 2,857 | 2,753 | 2,584 | 2,621 | 2,948 |
| Industri Industry | 18,981 | 20,234 | 20,898 | 22,993 | 25,244 |
| Lampu Awam Public Lighting | 110 | 104 | 109 | 108 | 112.59 |
| Eksport Export | 1,509 | 1,697 | 1,568 | 973.2 | 815.2 |
| Jumlah Total | 25,825 | 27,189 | 27,779 | 29,562 | 32,046 |

Jadual 41: Bilangan Pengguna SEB
Table 41: Number of SEB Consumers

| Sektor Sector | 2018 | 2019 | 2020 | 2021 | 2022 |
|-------------------------------|----------------|----------------|----------------|----------------|----------------|
| Domestik Domestic | 568,712 | 583,613 | 598,106 | 617,255 | 634,880 |
| Komersial Commercial | 96,416 | 99,774 | 101,453 | 104,537 | 108,224 |
| Industri Industry | 1,066 | 1,059 | 1,067 | 1,072 | 1,102 |
| Lampu Awam Public Lighting | 10,491 | 11,146 | 11,484 | 12,071 | 12,423 |
| Eksport Export | 4 | 4 | - | 1 | 1 |
| Jumlah Total | 676,689 | 695,596 | 712,110 | 734,936 | 756,630 |

Maklumat Pembekalan Industri Elektrik di Sarawak

Information on the Electricity Supply in Sarawak

Jadual 42: Sistem Penghantaran SEB

Table 42: SEB Transmission system

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|--------|--------|--------|--------|-------|
| Talian & Kabel Sistem Penghantaran Transmission System Lines & Cables | | | | | |
| 500 kV (km) | 753 | 753 | 377 | 753 | 892 |
| 275 kV (km) | 2,810 | 3,068 | 1,559 | 3,100 | 3,634 |
| 132 kV (km) | 840 | 916 | 454 | 1,200 | 1,153 |
| 66 kV (km) | - | - | - | - | - |
| Pencawang Penghantaran Transmission Substations | | | | | |
| Bilangan Number | 37 | 42 | 43 | 46 | 47 |
| Keupayaan (MVA) Capacity (MVA) | 10,246 | 10,726 | 11,936 | 13,586 | 1,067 |

Jadual 43: Sistem Pengagihan SEB

Table 43: SEB Distribution System

| Tahun Year | 2018 | 2019 | 2020 | 2021 | 2022 |
|--|--------|--------|--------|--------|--------|
| Talian & Kabel Sistem Pengagihan Distribution System Lines & Cables | | | | | |
| Talian Atas (km) Overhead Lines (km) | 26,236 | 26,850 | 27,634 | 28,427 | 29,492 |
| Kabel Bawah Tanah (km) Underground Cables (km) | 8,769 | 9,098 | 9,540 | 10,320 | 12,181 |
| Pencawang Pengagihan Distribution Substations | | | | | |
| Bilangan Number | 13,824 | 13,544 | 14,395 | 12,264 | 14,085 |
| Keupayaan (MVA) Capacity (MVA) | 9,600 | 5,940 | 9,845 | 10,126 | 7,926 |

Maklumat Pembekalan Industri Elektrik di Sarawak

Information on the Electricity Supply in Sarawak

Jadual 44: Kapasiti dan Penjanaan Elektrik di Sarawak

Table 44: Sarawak Capacity and Electricity Generation

| Penjana Generator | Sumber Tenaga Energy Source | Kapasiti Terpasang (MW) Installed Capacity (MW) | Kapasiti Tersedia (MW) Available Capacity (MW) | Penjanaan (GWj) Generation (GWj) |
|---------------------------------|---------------------------------------|---|--|----------------------------------|
| SEB | Arang Batu Coal | 1,054.00 | 819.50 | 3,845.75 |
| | Hidro Hydro | 3,452.00 | 3,438.00 | 24,166.35 |
| | Hidro Mini Mini Hydro | 6.18 | 6.70 | 33.45 |
| | Hidro Mikro Micro Hydro | 0.64 | - | - |
| | Gas Asli Natural Gas | 1,425.60 | 1,190.00 | 4,947.06 |
| | Diesel | 114.19 | 98.31 | 178.94 |
| | Solar | 0.09 | 0.09 | 0.07 |
| | Jumlah SEB Total SEB | 6,052.70 | 5,552.60 | 33,171.62 |
| Cogen | Gas Asli Natural Gas | 381.00 | 356.00 | 1,595.25 |
| | Diesel | - | - | 47.95 |
| | Jumlah Cogen Total Cogen | 381.00 | 356.00 | 1,643.20 |
| Self Gen | Diesel/MFO | 8.14 | 8.84 | 199.97 |
| | Biojisim Biomass | 32.60 | 39.80 | 78.42 |
| | Biogas | 0.50 | - | 1.12 |
| | Lain-lain bukan TBB Others, non-RE | 1.05 | 1.05 | 7.10 |
| | Jumlah Self-Gen Total Self-Gen | 42.29 | 49.69 | 286.61 |
| Jumlah Besar Grand Total | | 6,475.99 | 5,958.29 | 35,101.44 |

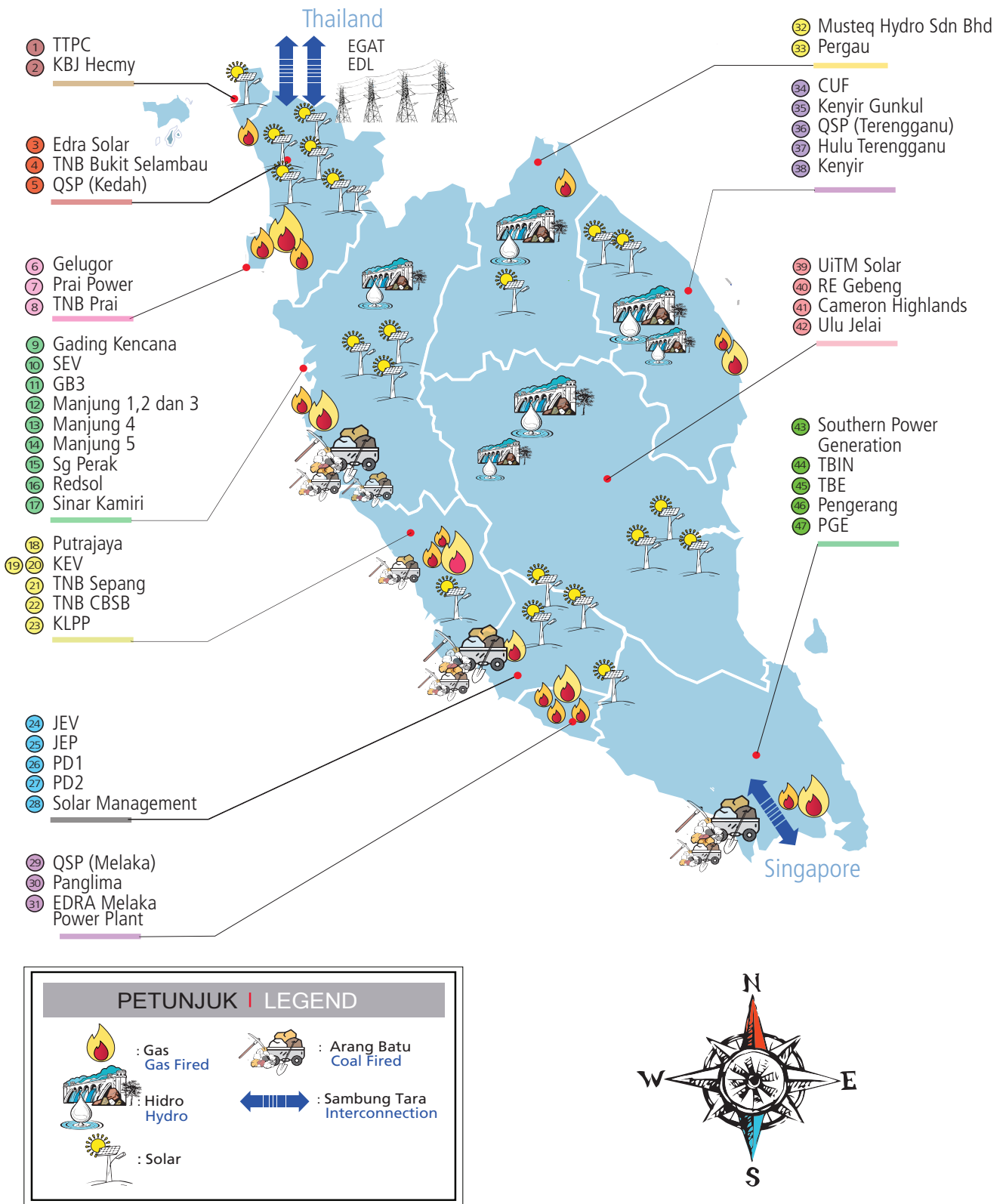
Nota | Notes:

Termasuk semua penjana kuasa yang bersambung di peringkat penghantaran, pengagihan dan *off-grid*.
Includes all power generators connected at the transmission, distribution, and *off-grid* levels.

Peta Lokasi Stesen Jana Kuasa Utama dan Sistem Grid

Location Maps of Major Power Stations and Grid Systems

Peta 1: Lokasi Stesen Jana Kuasa Utama di Semenanjung Malaysia setakat 31 Disember 2022
Map 1: Location of Peninsular Malaysia Major Power Stations as of 31 December 2022



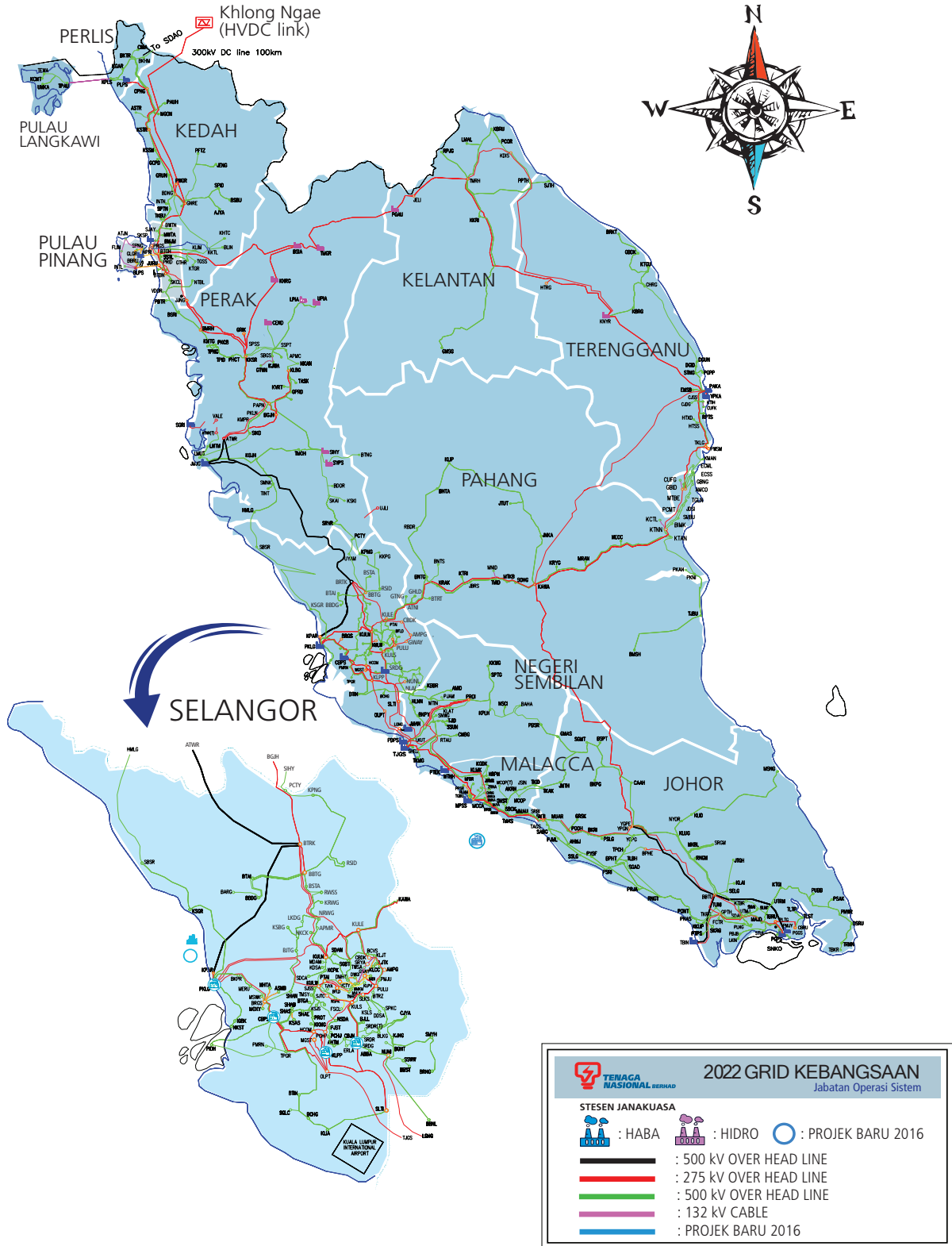
Diolah daripada sumber | Adapted from source :
 Regulatory Economics Dept, TNB

| Bil. No | Stesen Jana Kuasa Power Plants | Jenis Type |
|---------|---|-----------------|
| 1 | TTPC : Teknologi Tenaga Perlis Consortium Sdn. Bhd. | Gas |
| 2 | KBJ Hecmy: KBJ Hecmy Sdn. Bhd. | Solar |
| 3 | Edra Solar: Edra Solar Sdn. Bhd. | Solar |
| 4 | TNB Bukit Selambau: TNB Bukit Selambau Solar Sdn. Bhd. | Solar |
| 5 | QSP (Kedah): Quantum Solar Park (Kedah) Sdn. Bhd. | Solar |
| 6 | Gelugor: Gelugor Power Station | Gas |
| 7 | Prai: Power Prai Power Sdn. Bhd. | Gas |
| 8 | TNB Prai: TNB Prai Sdn. Bhd. | Gas |
| 9 | Gading Kencana: Gading Kencana Development Sdn. Bhd. | Solar |
| 10 | SEV: Segari Energy Ventures Sdn. Bhd. | Gas |
| 11 | GB3: GB3 Sdn. Bhd. | Gas |
| 12 | Manjung 123: TNB Janamanjung Sdn. Bhd. (unit 1 to 3) | Arang batu Coal |
| 13 | Manjung 4: TNB Janamanjung Sdn. Bhd. (Unit 4) | Arang batu Coal |
| 14 | Manjung 5: TNB Manjung Five Sdn. Bhd. | Arang batu Coal |
| 15 | Sg Perak: Sungai Perak Power Station | Hidro Hydro |
| 16 | Redsol: Redsol Sdn. Bhd. | Solar |
| 17 | Sinar Kamiri: Sinar Kamiri Sdn. Bhd. | Solar |
| 18 | Putrajaya: Putrajaya Power Station | Gas |
| 19 | KEV: Kapar Energy Ventures Sdn. Bhd. (GF1) | Gas |
| 20 | KEV: Kapar Energy Ventures Sdn. Bhd. (GF2 and GF3) | Arang batu Coal |
| 21 | TNB Sepang: TNB Sepang Solar Sdn. Bhd. | Solar |
| 22 | TNB CBSB: TNB Connaught Bridge Sdn. Bhd. | Gas |
| 23 | KLPP: Kuala Langat Power Plant Sdn. Bhd. | Gas |
| 24 | JEV: Jimah Energy Ventures Sdn. Bhd. | Arang batu Coal |
| 25 | JEP: Jimah East Power Sdn. Bhd. | Arang batu Coal |
| 26 | PD1: Tuanku Jaafar Power Station | Gas |
| 27 | PD2: Tuanku Jaafar Power Station | Gas |
| 28 | Solar Management: Solar Management (Seremban) Sdn. Bhd. | Solar |
| 29 | QSP (Melaka): Quantum Solar Park (Melaka) Sdn. Bhd. | Solar |
| 30 | Panglima: Panglima Power Sdn. Bhd. | Gas |
| 31 | EDRA Melaka Power Plant | Gas |
| 32 | Musteq Hydro Sdn. Bhd. | Gas |
| 33 | Pergau: Pergau Power Station | Hidro Hydro |
| 34 | CUF: Petronas Gas Bhd. | Gas |
| 35 | Kenyir Gunkul: Kenyir Gunkul Solar Sdn. Bhd. | Solar |
| 36 | QSP (Terengganu): Quantum Solar Park (Terengganu) Sdn. Bhd. | Solar |
| 37 | Hulu Terengganu: Hulu Terengganu Power Station | Hidro Hydro |
| 38 | Kenyir: Sultan Mahmud Power Station | Hidro Hydro |
| 39 | UiTM Solar: UiTM Solar Power Sdn. Bhd. | Solar |
| 40 | RE Gebeng: RE Gebeng Sdn. Bhd. | Solar |
| 41 | Cameron Highlands: Sultan Yusof Power Station | Hidro Hydro |
| 42 | Ulu Jelai: Ulu Jelai Power Station | Hidro Hydro |
| 43 | Southern Power Generation | Gas |
| 44 | TBIN: Tanjung Bin Power Sdn. Bhd. | Gas |
| 45 | TBE: Tanjung Bin Energy Sdn. Bhd. | Arang batu Coal |
| 46 | Pengerang: Pengerang Power Sdn. Bhd. | Gas |
| 47 | PGE: TNB Pasir Gudang Energy Sdn. Bhd. | Gas |

Peta Lokasi Stesen Jana Kuasa Utama dan Sistem Grid

Location Maps of Major Power Stations and Grid Systems

Peta 2: Sistem Penghantaran Elektrik di Semenanjung Malaysia
Map 2: Peninsular Malaysia Electricity Transmission System

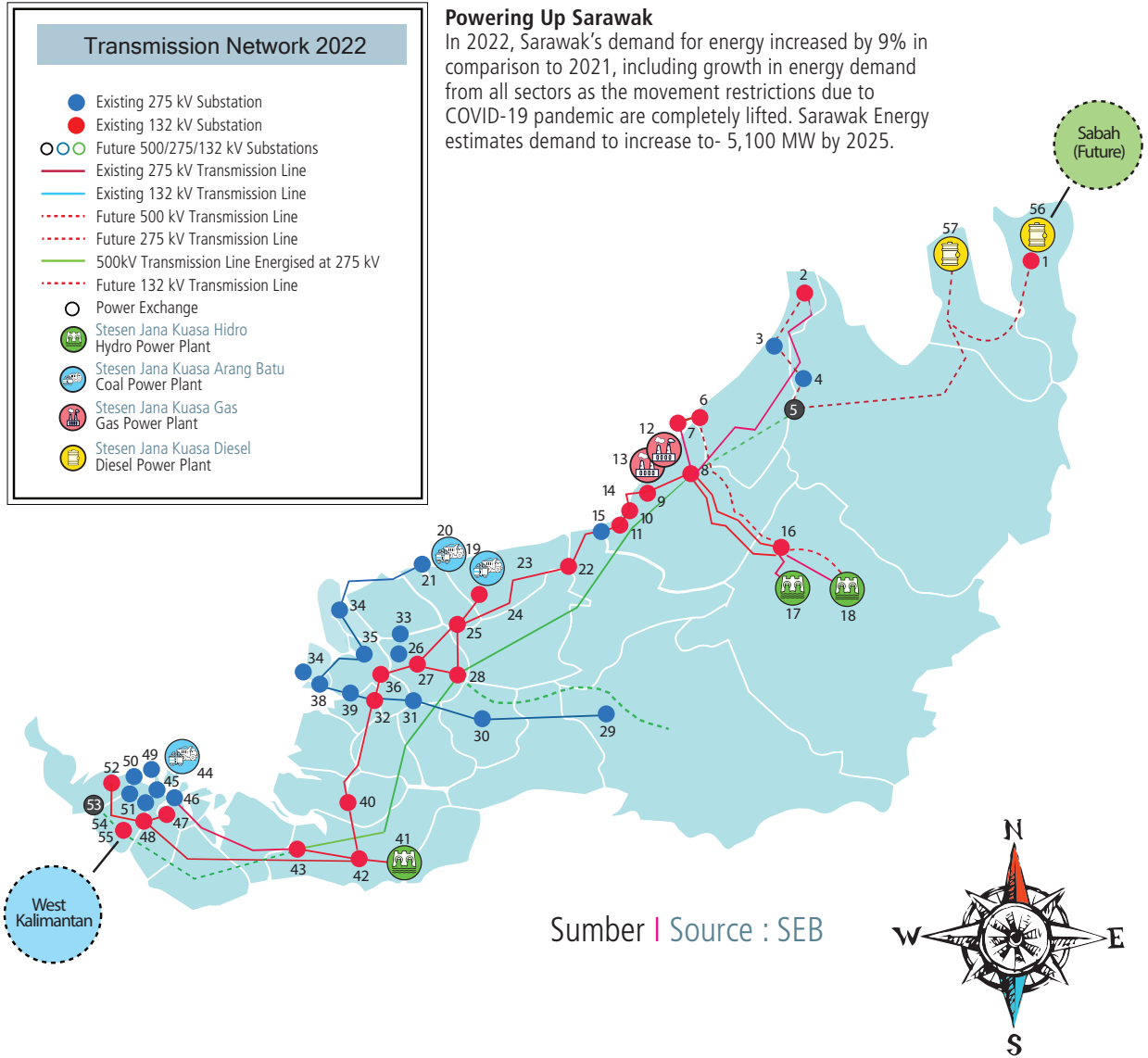


Sumber | Source : TNB

Peta Lokasi Stesen Jana Kuasa Utama dan Sistem Grid

Location Maps of Major Power Stations and Grid Systems

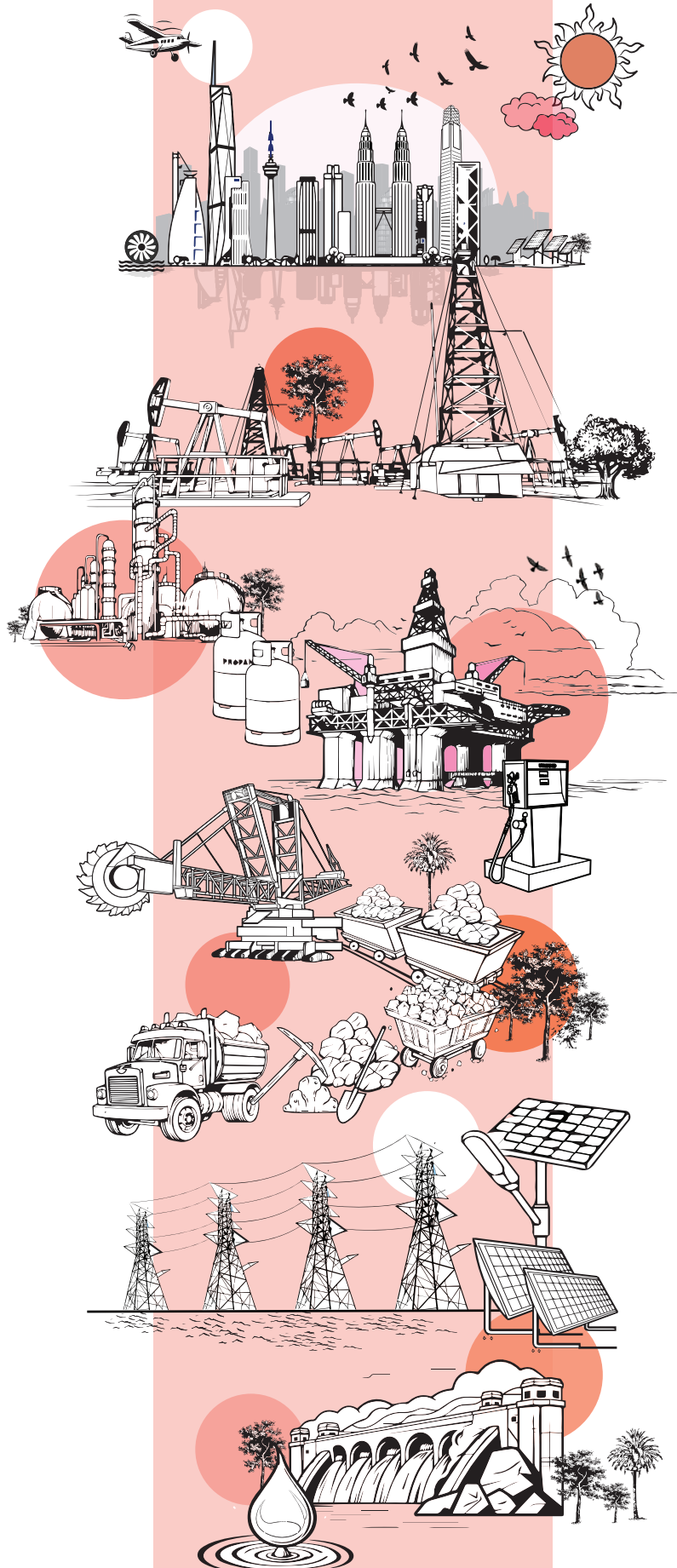
Peta 4: Lokasi Stesen Jana Kuasa Utama di Sarawak
Map 4: Location of Sarawak Major Power Stations



- | | | | |
|---|---------------------------------------|--|---------------------------------|
| 1. Lawas 275/33 kV S/S | 16. Murum Junction 275/33 kV S/S | 31. Kanowit 132/33/11 kV S/S | 46. Samajaya 132/33 kV S/S |
| 2. Tudan 275/132 kV S/S | 17. Bakun HEP 2,520 MW | 32. Kemantan 275/132/33/11 kV S/S | 47. Entinggan 275/132/33 kV S/S |
| 3. Eastwood 132/33 kV S/S | 18. Murum HEP 9440 MW | 33. Sg. Merah 132 kV S/S | 48. Mambong 275/33 kV S/S |
| 4. Marudi Junction 275/132/33 kV S/S | 19. Mutadeng 132/33 kV S/S | 34. Daro 132/33 kV S/S | 49. Sejingkat 132/33 kV S/S |
| 5. Bunut 500/275/33 kV S/S | 20. Mukah Power Generation P/S 243 MW | 35. Sg. Maaw 132/33 kV S/S | 50. Astana 132/33 kV S/S |
| 6. Samalaju B 275/132/33 kV S/S | 21. Petian 132/33 kV S/S | 36. Salim 132/33 kV S/S | 51. Mendu 132/33 kV S/S |
| 7. Samalaju 275/132/33 kV S/S | 22. Tatau 275/132/33 kV S/S | 37. Tanjung Manis B 132/33 kV S/S | 52. Matang 275/132/33 kV S/S |
| 8. Similajau 500/275/33 kV S/S | 23. Balingian P/S 578 MW | 38. Tanjung Manis 132/33/11 kV S/S | 53. Tondong 500/275/33 kV S/S |
| 9. Bintulu 275/132 kV S/S | 24. Balingian 275/33 kV S/S | 39. Sarikei 132/33/11 kV S/S | 54. Semenggo 132/33 kV S/S |
| 10. Bintulu B 275/132 kV S/S | 25. Selangau 275/132/33 kV S/S | 40. Serudit 275/132/33 kV S/S | 55. Stakan 132/33 kV S/S |
| 11. Kemena 275/132/33 kV S/S | 26. Deshon 132/33 kV S/S | 41. Batang Ai HEP 94 MW | 56. Lawas PS 15.6 MW |
| 12. Tanjung Kidurong CCGT P/S 826 MW | 27. Oya 275/132/33/11 kV S/S | 42. Engkilili 275/33/11kV S/S | 57. Limbang P/S 22 MW |
| 13. Sarawak Power Generation P/S 280 MW | 28. Mapai 500/275/33 kV S/S | 43. Lachau 275/33 kV S/S | |
| 14. Tanjung Kidurong 132/33/11 kV S/S | 29. Kapit 132/33/11 kV S/S | 44. Sejingkat Power Corporation PS 80 MW | |
| 15. Sibiyu 132/33/11 kV S/S | 30. Song 132/33/11 kV S/S | 45. Muara Tabuan 132/33 kV S/S | |

APENDIKS

Appendix



Apendiks 1: Laporan Prestasi TNB – Guaranteed Service Level (GSL) Januari- Disember 2022
Appendix 1: Performance Report of TNB - Guaranteed Service Level (GSL) January-December 2022

| Item | Item Details | Service Ind | Service Definition | Service Standard | Service Details | Johor | Kedah | Kelantan | Kuala Lumpur | Melaka | N. Sembilan | P. Pinang | Pahang | Perak | Perlis | Putrajaya | Selangor | Terengganu | Total/ Avg % | |
|--------------------------------------|------------------------|--|--|---------------------------|------------------|---------|---------|----------|--------------|---------|-------------|-----------|---------|-----------|---------|-----------|----------|------------|--------------|-----------|
| GSL 1 (Note: Jan 2021 - Dec 2021) | Availability of Supply | Number of unplanned interruptions experienced by a consumer within the administration of Bandaraya Kuala Lumpur, Putrajaya and Other Areas | Total Number of Breakdown | 4-5 per year | | 1,504 | 680 | 511 | 714 | 281 | 567 | 448 | 956 | 993 | 97 | 15 | 2,023 | 430 | 9,219 | |
| | | | Total no. of breakdown that comply | | | 1,504 | 680 | 511 | 714 | 281 | 567 | 448 | 956 | 993 | 97 | 15 | 2,023 | 430 | 9,219 | |
| | | | Total Penalty (RM) | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | - |
| | | | | | Compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| GSL 2 (Note: Jan 2021 - Dec 2021) | Availability of Supply | Time taken to restore electricity supply following outage caused by minor distribution net-work fault | Total Number Of Breakdown | 4 hour - MV with feedback | | 1,504 | 680 | 511 | 714 | 281 | 567 | 448 | 956 | 993 | 97 | 15 | 2,023 | 430 | 9,219 | |
| | | | Total no. of breakdown that comply | | | 1,397 | 672 | 453 | 692 | 276 | 541 | 438 | 885 | 960 | 97 | 15 | 1,926 | 415 | 8,767 | |
| | | | Total Penalty (RM) | | | 507,000 | 125,790 | 82,550 | 426,130 | 31,600 | 145,440 | 143,660 | 616,270 | 1,104,330 | 0 | 0 | 0 | 1,160,050 | 488,000 | 4,830,820 |
| | | | | | Compliance | 92.89% | 98.82% | 88.65% | 96.92% | 98.22% | 95.41% | 97.77% | 92.57% | 96.68% | 100.00% | 100.00% | 100.00% | 95.21% | 96.51% | 95.10% |
| GSL 3 (Note: Jan 2021 - Dec 2021) | Providing Supply | Time taken to implement service connection (OVERHEAD LINE) requiring low voltage cable installation work | Total service connection | 5 working days | | 3,462 | 2,251 | 2,181 | 478 | 1,193 | 1,032 | 816 | 993 | 2,596 | 351 | 0 | 2,583 | 1,916 | 19,852 | |
| | | | Total service connection completed within 5 working days | | | 3,462 | 2,251 | 2,181 | 478 | 1,193 | 1,032 | 816 | 993 | 2,596 | 351 | 0 | 2,583 | 1,916 | 19,852 | |
| | | | Total Penalty (RM) | | | | | | | | | | | | | | | | | - |
| | | | | | RM 50/not comply | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| | | | | | Compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |

Appendix 1: Laporan Prestasi TNB – Guaranteed Service Level (GSL) Januari-Disember 2022
Appendix 1: Performance Report of TNB - Guaranteed Service Level (GSL) January-December 2022

| Item | Item Details | Service Ind. | Service Definition | Service Standard | Service Detail | Johor | Kedah | Kelantan | Kuala Lumpur | Melaka | Negeri Sembilan | Pulau Pinang | Pahang | Perak | Perlis | Putrajaya | Selangor | Terengganu | Total /Avg % |
|---|-------------------|---|---|------------------|-------------------|---------|---------|----------|--------------|--------|-----------------|--------------|---------|-----------|--------|-----------|-----------|------------|--------------|
| | | Time taken to implement service connection (Underground line) requiring low voltage cable installation work | Total service connection | 14 working days | | 151 | 28 | 64 | 161 | 36 | 38 | 50 | 25 | 59 | 7 | 41 | 147 | 76 | 883 |
| | | | Total service connection completed within 14 working days | | | 151 | 28 | 64 | 161 | 36 | 38 | 50 | 25 | 59 | 7 | 41 | 147 | 76 | 883 |
| | | | Total Penalty (RM) | | RM 50/not comply | | | | | | | | | | | | | | - |
| | | | | | Compliance | | | | | | | | | | | | | | 100.00% |
| GSL 4 (Jan 2021 - Dec 2021) | Providing Supply | Time taken to connect new electricity supply for individual domestic low voltage consumer | Total supply connection | 3 working days | | 12,932 | 7,527 | 8,392 | 3,374 | 2,385 | 4,051 | 6,328 | 5,733 | 9,099 | 1,081 | 442 | 12,334 | 6,593 | 80,271 |
| | | | Total supply connection completed in 3 working days | | | 12,907 | 7,522 | 8,381 | 3,369 | 2,380 | 4,050 | 6,278 | 5,727 | 9,091 | 1,078 | 442 | 12,323 | 6,591 | 80,139 |
| | | | Total Penalty (RM) | | RM 50/not comply | | | | | | | | | | | | | | |
| | | | | | Compliance | | | | | | | | | | | | | | 100.00% |
| | | | | | Compliance | | | | | | | | | | | | | | 100.00% |
| GSL 5 (Jan 2021 - Dec 2021) | Customer Contract | Disconnection of supply according to the applicable legislation or disconnection procedures | Total disconnection | No complaint | | 1,049 | 9,513 | 6,394 | 6,102 | 13,600 | 4,465 | 1,611 | 17,094 | 439 | 13,036 | 11,491 | 3,496 | 11,276 | 99,566 |
| | | | Total disconnection not done with procedures | | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | Total Penalty (RM) | | RM 100/not comply | | | | | | | | | | | | | | |
| | | | | | Compliance | | | | | | | | | | | | | | 100.00% |
| | | | | | Compliance | | | | | | | | | | | | | | 100.00% |
| | | | | | State Percentage | | | | | | | | | | | | | | 99.73% |
| Total Potential Penalty in RM for GSL 1,2,3,4,5 according to states | | | | | | 508,250 | 126,040 | 83,100 | 426,380 | 31,850 | 145,490 | 146,160 | 616,570 | 1,104,730 | 150 | 0 | 1,160,600 | 488,100 | 4,837,420 |

Apendiks 2: Laporan Prestasi TNB – Minimum Service Level (MSL) Januari-Disember 2022
Appendix 2: Performance Report of TNB - Minimum Service Level (MSL) January-December 2022

| Item | Item Details | Service Ind. | Service Definition | Service Standard | Service Details | Johor | Kedah | Kelantan | Kuala Lumpur | Melaka | Negeri Sembilan | Pulau Pinang | Pahang | Perak | Perlis | Putrajaya | Selangor | Terengganu | Total/ Avg % | |
|------|------------------------|--------------|--|-------------------|--|---------|---------|----------|--------------|---------|-----------------|--------------|---------|---------|---------|-----------|----------|------------|--------------|--------|
| 1 | Availability of Supply | 1a | Minimum duration of notice for planned/schedule interruption of electricity supply | > 2 days | Total notices served | 7,064 | 2,280 | 1,865 | 1,953 | 1,947 | 2,068 | 997 | 3,737 | 3,553 | 149 | 505 | 7,683 | 2,281 | 36,082 | |
| | | | | | Total notices served more than 2 days before planned/schedule interruption | 7,061 | 2,277 | 1,865 | 1,952 | 1,947 | 2,068 | 995 | 3,735 | 3,531 | 149 | 505 | 7,675 | 2,278 | 36,038 | |
| | | | | | % Compliance | 99.96% | 99.87% | 100.00% | 99.95% | 100.00% | 100.00% | 99.80% | 99.95% | 99.38% | 100.00% | 100.00% | 99.90% | 99.87% | 99.88% | |
| | | 1b | Upon request, time taken to provide initial information to consumer who report on electricity interruption | < 1 hour | Total requests from consumers | 17 | 4 | 7 | 82 | 6 | 11 | 9 | 6 | 12 | 0 | 0 | 78 | 5 | 237 | |
| | | | | | Total requests replied less than 1 hour | 17 | 4 | 7 | 81 | 6 | 11 | 9 | 6 | 12 | 0 | 0 | 78 | 5 | 236 | |
| | | | | | % Compliance | 100.00% | 100.00% | 100.00% | 98.78% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 0 | 0 | 100.00% | 100.00% | 99.58% |
| 2 | Quality of Supply | 2a | Time taken to rectify voltage complaint or limit violation and to correct voltage complaint which requires network reinforcement | < 180 days | Total complaints received | 64 | 44 | 27 | 72 | 13 | 29 | 37 | 30 | 59 | 6 | 1 | 121 | 22 | 525 | |
| | | | | | Total complaints solved less than 180 days | 63 | 38 | 26 | 66 | 13 | 29 | 35 | 29 | 58 | 6 | 1 | 116 | 22 | 502 | |
| | | | | | % Compliance | 98.44% | 86.36% | 96.30% | 91.67% | 100.00% | 100.00% | 94.59% | 96.67% | 98.31% | 100.00% | 100.00% | 95.87% | 100.00% | 95.62% | |
| | | 2b | Time taken to complete investigation of overvoltage incident from complaint receipt date (data availability for Q3 and Q4) | < 30 working days | Total complaints received | 289 | 204 | 293 | 273 | 117 | 56 | 148 | 94 | 261 | 48 | 15 | 811 | 57 | 2,666 | |
| | | | | | Total complaints solved less than 30 working days | 289 | 204 | 293 | 273 | 117 | 56 | 146 | 94 | 261 | 48 | 15 | 805 | 57 | 2,658 | |
| | | | | | % Compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 98.65% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 99.26% | 100.00% | 99.70% |

Apendiks 2: Laporan Prestasi TNB – Minimum Service Level (MSL) Januari-Disember 2022
Appendix 2: Performance Report of TNB - Minimum Service Level (MSL) January-December 2022

| Item | Item Details | Service Ind. | Service Definition | Service Standard | Service Details | Johor | Kedah | Kelantan | Kuala Lumpur | Melaka | Negeri Sembilan | Pulau Pinang | Pahang | Perak | Perlis | Putrajaya | Selangor | Terengganu | Total/ Avg % |
|------|------------------|--------------|--|---|--|---------|---------|----------|--------------|---------|-----------------|--------------|---------|---------|---------|-----------|----------|------------|--------------|
| | | 2c | Time taken to provide a complete report of voltage sag incident from complaints received date | < 14 days | Total complaints received | 51 | 16 | 6 | 39 | 42 | 20 | 325 | 15 | 90 | 3 | 53 | 59 | 60 | 779 |
| | | | Total complaints solved less than 14 days | | Total complaints solved less than 14 days | 49 | 16 | 6 | 33 | 38 | 19 | 305 | 14 | 89 | 3 | 31 | 45 | 57 | 705 |
| | | | % Compliance | | % Compliance | 96.08% | 100.00% | 100.00% | 84.62% | 90.48% | 95.00% | 93.85% | 93.33% | 98.89% | 100.00% | 58.49% | 76.27% | 96.00% | 90.50% |
| 3 | Providing Supply | 3a | Time taken to inform the developer of the connection charges to be paid upon receipt of complete application | For supply up to 22 kV: not more than 30 days For supply of 33 kV: not more than 60 days | Total | 306 | 127 | 30 | 124 | 81 | 93 | 179 | 85 | 191 | 10 | 7 | 474 | 49 | 1,756 |
| | | | Total no. of connection charges in time | | Total no. of connection charges in time | 306 | 127 | 30 | 124 | 81 | 93 | 179 | 85 | 191 | 10 | 7 | 474 | 49 | 1,756 |
| | | | % Compliance | | % Compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| | | 3b | Time taken to implement electrification scheme requiring new substation after connection charges paid, wayleave obtained and successful taking over of substation building by TNB | For supply up to 22 kV: not more than 60 days For supply of 33 kV with cable installation of not more than 5 km For KL, Putrajaya area: not more than 180 days other areas: not more than 120 days | Total no. of projects given supply | 135 | 21 | 11 | 117 | 44 | 81 | 46 | 30 | 36 | 2 | 5 | 262 | 7 | 797 |
| | | | Total no. of projects given supply less than 120 days | | Total no. of projects given supply less than 120 days | 135 | 21 | 11 | 117 | 44 | 81 | 46 | 30 | 36 | 2 | 5 | 262 | 7 | 797 |
| | | | % Compliance | | % Compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| | | 3c | Waiting time at site for appointment to connect electricity supply (Unavoidable occurrence must be followed up by re-turning call in not less than 1 hour before the appointment time) | < 1 hour | Total appointments made | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | Total appointments met in not less than 1 hour of appointment date | | Total appointments met in not less than 1 hour of appointment date | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | % Compliance | | % Compliance | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A | N/A |

Apendiks 3: Kriteria Prestasi Perkhidmatan Pelanggan (CSPC) 2022 NUR
Appendix 3: Customer Service Performance Criteria (CSPC) NUR 2022

| Item | Criteria | Details | Agreed Targets | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total in 2022 | Total resolved in 2022 | % Meeting Target In 2022 | |
|----------|--|--|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|------------------------|--------------------------|----|
| 1 | Connection of Supply | | | | | | | | | | | | | | | | | | |
| | Note: | Applied for 1a & 1b | Not less than 1 day (Only after all condition meet such as contribution paid, form complete, G & H, etc) | | | | | | | | | | | | | | | | |
| 1a | | Change of tenant | Not more than 1 working day | 6 | 30 | 8 | 0 | 7 | 3 | 1 | 11 | 4 | 8 | 12 | 5 | 95 | 95 | 100 | |
| 1b | | New Connection -Low voltage individual application | Not more than 1 working day | 6 | 0 | 1 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | | | |
| 1c(i) | | New connection -Low voltage bulk application and housing schemes. Refers to a large number of houses or building in a single development. | Not more than 1 week (Meter only) | 6 | 23 | 18 | 25 | 8 | 3 | 6 | 9 | 3 | 1 | 4 | 2 | 108 | 108 | 100 | |
| 1c (ii) | | LV commercial industrial supply (Meter only - CT Type) | Connection within 2 weeks | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA | |
| 1c (iii) | | LV supply - LV cable and meter | Contribution charge and Security deposit: Within 2 months from receipt and payment of | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 1 | 0 | 0 | 3 | 3 | 100 | |
| 1c (iv) | | LV supply requiring new substation | Contribution Charge: Within 120 days from receipt and payment of Security deposit: Within 45 days of substation building handover | 1 | 0 | 0 | 1 | 1 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 100 | |
| 1c (v) | | 11 kV or 33 kV supply | Within 10 months of submission and contribution payment/ or sooner as agreed-Also Within 45 days of substation building handover | 0 | 1 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 100 | |
| 1c (vi) | | 132 kV supply | | 0 | 0 | 3 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 | 5 | 100 | |
| 2 | Restoration of supply after interruption | | | | | | | | | | | | | | | | | | |
| | Note: | Calls to be answered within 30 seconds. Follow up with return call is required only when NUR unable to inform customers that action is taken. | | | | | | | | | | | | | | | | | |
| 2a | | Complaint through telephone: At normal hours will be attended within 30 seconds. Re-contact consumer within 10 minutes if cannot provide info immediately. | 30 seconds to answer the telephone. A technician will be sent immediately. When this is not possible, the customer will be called back with information. Note: In NUR's case, the response is always by stating a technician will be sent immediately. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 2b | | Supply interruption complaint: Consumer who launch a complain, will be given a report number. | Consumer will be given a number. No. of customers is small and No. of interruption is very small and easily managed. To assume as complying. Note: TCS - Trouble Call System is required to implement this accordingly. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 2c | | Time to restore *Minor fault which results in interruption of electricity supply that can be quickly restored *Minor - such as due to the operation of fuse or the tripping of a circuit breaker resulting from overload | Within 90 minutes | 1 | 2 | 2 | 0 | 2 | 1 | 2 | 1 | 2 | 1 | 1 | 1 | 16 | 15 | 93.75 | |
| 2d | | Time to restore *Major fault which results in interruption of electricity supply that requires substantial time to restore *Major such as due to switchgear failure or cable fault | Within 12 hours | 0 | 0 | 3 | 4 | 5 | 3 | 1 | 3 | 3 | 5 | 5 | 4 | 36 | 35 | 97.22 | |

Apendiks 3: Kriteria Prestasi Perkhidmatan Pelanggan (CSPC) 2022 NUR
Appendix 3: Customer Service Performance Criteria (CSPC) NUR 2022

| Item | Criteria | Details | Agreed Targets | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total in 2022 | Total resolved in 2022 | % Meeting Target in 2022 |
|------|---|---|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---------------|------------------------|--------------------------|
| 11a | | Interest on Deposits | 2.5% to be rebated at the end of the year | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,431 | 5,431 | 100 | |
| 12 | Refund of consumer deposits. | Refund the deposit to consumers upon receiving complete documentations. Upon Proof of payment received Note : NUR would request longer date line to allow any cheque payment to be cleared by the bank to comply with bank procedure | Within 1 month | 11 | 7 | 44 | 12 | 10 | 10 | 21 | 15 | 14 | 9 | 14 | 8 | 175 | 175 | 100 |
| 13 | Collection | | Within 5 working days | 3,559 | 3,253 | 3,725 | 3,533 | 3,408 | 3,503 | 3,772 | 4,196 | 4,051 | 3,663 | 3,627 | 3,820 | 44,110 | 44,110 | 100 |
| 14 | Disconnection of supply (safety, theft etc) | | | | | | | | | | | | | | | | | |
| | Note: | Applied for 9a & 9b | | | | | | | | | | | | | | | | |
| 14a | | Disconnection due to installation which are considered very dangerous and disconnection could not be delayed. | No notice will be given (immediate disconnection) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 14b | | In any unsafe particular situation and likely source of danger to consumers, disconnection will be immediate. Any other situation besides this, NUR will advise consumers that disconnection would be carried out in the specific time. | Immediate disconnection | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 14c | | 1. Disconnections due to other reasons than 14a & 14b above, which are allowed. 2. Duration and timing, which are NOT allow to proceed with disconnection work: i) Before weekend or Public Holidays ii) On Weekend or Public Holidays. iii) After 12 noon on working days. | 7 working days notice | 0 | 0 | 0 | 0 | 0 | 0 | 26 | 95 | 117 | 0 | 0 | 0 | 238 | 238 | 100 |
| 15 | Special consumers who face problems in paying bills | This criterion applies to disabled or elderly consumers. Note: A register of disable or immobile consumers will be needed. | NUR will make special arrangement or collect from consumers premises. | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 16 | Voltage outside standard | | | | | | | | | | | | | | | | | |
| | Note: | Applied for 16a, 16b & 16c | | | | | | | | | | | | | | | | |
| 16a | | Where no capital work on network is required | 1 day | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 16b | | Where supply interruption is required but no network enhancement work needed | 8 days (Notify interruption 7 days) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 16c | | Where network enhancement work is required | 3 months | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | NA |
| 17 | New/increase of supply application reply | | | | | | | | | | | | | | | | | |
| | Note: | Applied for 17a, 17b, 17c & 17d. | Written reply of application including date supply will be available and connection charges will be forwarded to consumers | | | | | | | | | | | | | | | |

Apendiks 3: Kriteria Prestasi Perkhidmatan Pelanggan (CSPC) 2022 NUR
Appendix 3: Customer Service Performance Criteria (CSPC) NUR 2022

| Item | Power Quality improvement | Details | Agreed Targets | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | Total in 2022 | Total resolved in 2022 | % Meeting Target In 2022 |
|------|---|---|--|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|---------------|------------------------|--------------------------|
| 17a | | No substation required | Within 1 week | 2 | 1 | 1 | 1 | 0 | 0 | 1 | 2 | 0 | 1 | 0 | 0 | 9 | 9 | 100 |
| 17b | | New upgrade substation required Note: This is to allow time for design work and obtaining of prices from contractors | Within 1 month | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 100 |
| 17c | | LV commercial/LV Industrial/11 kV /33 kV Note: This is to allow time for design work and obtaining of prices from contractors. | Within 1 month | 1 | 0 | 0 | 2 | 0 | 2 | 2 | 1 | 1 | 0 | 0 | 1 | 10 | 10 | 100 |
| 17d | | 132 kV | Within 3 months | 0 | 0 | 2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 100 |
| 18 | Transferring of meter location upon consumer request/Meter transfer | Depends on new location and work required | Within 3 working days | 3 | 3 | 1 | 3 | 0 | 2 | 3 | 3 | 3 | 1 | 3 | 1 | 26 | 26 | 100 |
| 19 | Education of Energy Efficiency | Any form of media and medium | 1. Will be available at NUR Customer Service Centre at Kulim Hi-tech Park. 2. Seminars will also be conducted through Consumer Committees in line with the licence. | 1 | 0 | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 1 | 4 | 4 | 100 |
| 20 | Power Quality improvement | | | | | | | | | | | | | | | | | |
| | Note: | Applicable for 20a and 20b | | | | | | | | | | | | | | | | |
| 20a | | Domestic consumers | NUR shall advise and guide consumers in the quality of supply and all power quality related issues. | 0 | 1 | 0 | 0 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 | 100 |
| 20b | | LV commercial/LV Industrial/11 kV/33 kV | Power Quality meeting with all major customers on quarterly basis. | 6 | 13 | 10 | 5 | 7 | 3 | 6 | 11 | 3 | 2 | 2 | 2 | 70 | 70 | 100 |

Appendiks 4: Laporan Prestasi Sabah Electricity Sdn. Bhd. (SESB) – Guaranteed Service Level (GSL) dan Minimum Service Level (MSL) bagi Tahun 2022
Appendix 4: Performance Report of Sabah Electricity Sdn. Bhd. (SESB) - Guaranteed Service Level (GSL) and Minimum Service Level (MSL) for Year 2022

| Service ID | Service Indicator | Performance Standard | Indicator | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | As to Date | |
|--|--|---|--|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|---------|
| GSL 1: Availability of Supply (Frequency of Interruption) | Number of total load loss PPU incidents within the administration of all areas | 15 incidents per year/all areas | No. PPU | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | |
| | | | No. of incidents | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | Time taken to restore electricity supply following outage caused by: Low Voltage (400 V and below) - 8 hours | 8 hours | % of compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| | | | No. of LV outage | 512 | 497 | 744 | 710 | 800 | 751 | 810 | 782 | 775 | 729 | 723 | 596 | 8,429 | |
| GSL 2: Availability of Supply -Restoration Time | Time taken to restore electricity supply following outage caused by: Medium Voltage (11-33 kV) – 8 hours | 8 hours | No. of LV outage restored within 8 hours | 505 | 482 | 722 | 690 | 790 | 734 | 783 | 766 | 750 | 708 | 704 | 576 | 8,210 | |
| | | | % compliance | 98.63% | 96.98% | 97.04% | 97.18% | 98.75% | 97.74% | 96.67% | 97.95% | 96.77% | 97.12% | 97.37% | 96.64% | 97.40% | |
| | Time taken to restore electricity supply following major incident on grid or transmission system except due to natural disaster, and causing: Partial Blackout - 8 hours | 8 hours | No. of partial blackout | 814 | 779 | 842 | 848 | 917 | 865 | 821 | 965 | 806 | 722 | 800 | 846 | 10,025 | |
| | | | % compliance | 98.53% | 98.33% | 98.93% | 98.00% | 97.93% | 97.80% | 98.78% | 98.34% | 98.64% | 98.20% | 97.63% | 97.52% | 98.21% | |
| GSL 3: Providing Supply | Time taken to restore electricity supply following major incident on grid or transmission system except due to natural disaster, and causing: Total Blackout - 18 hours | 18 hours | No. of total blackout | 1 | 0 | 0 | 1 | 0 | 0 | 2 | 1 | 0 | 0 | 2 | 1 | 8 | |
| | | | % compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | |
| | New individual domestic service connection (NSC) single phase & three phase until connection of electricity supply and after premise to be supply is ready to receive cable, and also subject to clearance of way leave from relevant party | 37 days | No. of NSC | 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 2 |
| | | | % compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| GSL 4: Providing Supply | Meter installation for individual domestic low voltage consumer after deposit is paid (date of connection is to be mutually agreed upon between consumer and SESB and there is access) Counting of the number of days will start a day after receiving the deposit | For meter installation only; Not more than 3 working days | No. of meter application | 710 | 418 | 717 | 760 | 397 | 815 | 647 | 828 | 666 | 804 | 733 | 497 | 7,992 | |
| | | | % compliance | 81.55% | 85.65% | 91.07% | 86.71% | 89.17% | 87.24% | 91.65% | 85.51% | 84.23% | 92.66% | 90.45% | 88.53% | 87.89% | |
| | Disconnection of supply according to the applicable legislation or disconnection procedures | No wrongful disconnection | No. of meter installed within 3 working days | 1,454 | 1,264 | 1,711 | 1,691 | 1,169 | 1,967 | 1,761 | 1,971 | 1,464 | 1,556 | 1,677 | 1,190 | 18,875 | |
| | | | % compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | |
| GSL 5: Customer Contact | Disconnection of supply according to the applicable legislation or disconnection procedures | No wrongful disconnection | No. of meter installed within 3 working days | 1,397 | 1,205 | 1,640 | 1,629 | 1,139 | 1,888 | 1,725 | 1,920 | 1,432 | 1,508 | 1,615 | 1,170 | 18,268 | |
| | | | % compliance | 96.08% | 95.33% | 95.85% | 96.33% | 97.43% | 95.98% | 97.96% | 97.41% | 97.81% | 97.81% | 96.92% | 96.30% | 96.78% | |
| | Disconnection of supply according to the applicable legislation or disconnection procedures | No wrongful disconnection | No. of disconnection | 13,297 | 12,722 | 19,777 | 14,887 | 12,040 | 16,405 | 18,045 | 19,890 | 19,682 | 18,179 | 6,652 | 22,302 | 193,878 | |
| | | | % compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | |

Apendiks 4: Laporan Prestasi Sabah Electricity Sdn. Bhd. (SESB) – Guaranteed Service Level (GSL) dan Minimum Service Level (MSL) bagi Tahun 2022
Appendix 4: Performance Report of Sabah Electricity Sdn. Bhd. (SESB) - Guaranteed Service Level (GSL) and Minimum Service Level (MSL) for Year 2022

| Service ID | Service Indicator | Performance Standard | Indicator | MSL | | | | | | | | | | | | As to Date |
|------------|---|--|---|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------------|
| | | | | Jan | Feb | Mar | Apr | May | Jun | Jul | Aug | Sep | Oct | Nov | Dec | |
| 3b (i) | Time taken to implement electrification scheme requiring new substation after connection charges paid, wayleave obtained and successful taking over of substation building by SESB | i) For supply of 11 kV. Up to 4 months | No. of electrification scheme | 2 | 1 | 4 | 1 | 7 | 7 | 5 | 2 | 8 | 7 | 6 | 9 | 59 |
| | | | No. of electrification scheme implemented up | 1 | 0 | 3 | 1 | 2 | 2 | 3 | 1 | 5 | 5 | 5 | 2 | 7 |
| 3b (ii) | Time taken to implement electrification scheme requiring new substation after connection charges paid, wayleave obtained and successful taking over of substation building by SESB | ii) For supply of 33 kV. Up to 18 months (as per ESAH requirement) | % compliance | 50.00% | 0.00% | 75.00% | 100.00% | 28.57% | 28.57% | 60.00% | 50.00% | 62.50% | 71.43% | 33.33% | 77.78% | 54.24% |
| | | | No. of electrification scheme | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 3c | Waiting time at site for appointment to connect electricity supply (Unavoidable occurrence must be followed up by returning call in not less than 1 hour before the appointment time) | 1 hour | No. of electrification scheme implemented up | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| | | | % compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 4a | Time taken to reply to written enquiry or complaint | 7 working days | No. of appointment | 90 | 59 | 58 | 88 | 63 | 63 | 96 | 94 | 110 | 103 | 89 | 100 | 1022 |
| | | | No. of appointment with waiting time within 1 | 79 | 59 | 58 | 88 | 63 | 96 | 94 | 110 | 103 | 89 | 72 | 89 | 99 |
| 4b | Average queuing time at customer service counter | 20 minutes | % compliance | 87.78% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 98.83% |
| | | | No. of written enquiry or complaint | 25 | 9 | 29 | 21 | 12 | 27 | 46 | 52 | 41 | 60 | 37 | 35 | 35 |
| 4c | Time taken by customer service officer at CMC 15454 to pick up ringing telephone | 90% calls answered within 30 seconds | No. of written enquiry or complaint replied within | 25 | 9 | 29 | 21 | 12 | 27 | 46 | 52 | 41 | 60 | 37 | 35 | 394 |
| | | | % compliance | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% | 100.00% |
| 5a | Time taken to attend to meter problem (OPC) upon official notification/request by the consumer (appointment, visit, testing, etc) | 2 working days (90%) | No. of customer | 10,107 | 8,404 | 10,621 | 10,091 | 8,813 | 10,352 | 10,422 | 11,585 | 10,673 | 10,472 | 10,206 | 10,125 | 121,871 |
| | | | No. of customer with 20 minutes queuing time | 9,781 | 8,092 | 10,304 | 9,697 | 8,767 | 10,217 | 10,127 | 11,452 | 10,380 | 10,472 | 10,380 | 10,472 | 10,206 |
| 5b | Time taken to respond to metering problem (OPC) or dispute upon official notification/request by consumer (replace, relocate, etc). | 3 working days (90%) | % compliance | 96.77% | 96.29% | 97.02% | 96.10% | 99.48% | 98.70% | 97.17% | 98.85% | 97.25% | 100.00% | 100.00% | 100.00% | 98.15% |
| | | | No. of request | 16,967 | 16,191 | 23,570 | 25,803 | 23,125 | 22,628 | 25,181 | 21,730 | 21,320 | 20,606 | 21,320 | 15,256 | 15,491 |
| 5c | Time interval between successive rendering of bill (s) | 1 month | No. of request attended within 2 working days | 16,967 | 16,191 | 23,570 | 25,803 | 23,125 | 22,628 | 25,181 | 21,730 | 20,606 | 21,320 | 15,256 | 15,491 | 247,868 |
| | | | No. of request attended within 2 working days with 2 working days | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| 5c | Time interval between successive rendering of bill (s) | 1 month | No. of problems | 463 | 187 | 243 | 179 | 155 | 269 | 212 | 188 | 224 | 205 | 158 | 126 | 2,609 |
| | | | No. of problems attended within 3 | 463 | 187 | 243 | 179 | 155 | 269 | 212 | 188 | 224 | 205 | 158 | 126 | 2,609 |
| 5c | Time interval between successive rendering of bill (s) | 1 month | attended within 3 | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% | 100% |
| | | | No. of bills | 657,328 | 658,536 | 660,069 | 662,010 | 663,529 | 664,909 | 666,248 | 667,285 | 668,554 | 670,083 | 671,642 | 672,624 | 673,624 |
| 5c | Time interval between successive rendering of bill (s) | 1 month | No. of bills rendered between 1 month | 655,287 | 657,373 | 659,473 | 661,721 | 663,495 | 664,823 | 665,756 | 667,269 | 668,521 | 669,410 | 671,485 | 672,548 | 7,977,161 |
| | | | % compliance | 99.69% | 99.82% | 99.91% | 99.96% | 99.99% | 99.99% | 99.93% | 99.99% | 99.99% | 100.00% | 99.90% | 99.98% | 99.99% |

Apendiks 5: Tarif-tarif elektrik TNB berkuat kuasa 1 Januari 2014
Appendix 5: TNB Electricity Tariffs effective from 1 January 2014

| Bil. No. | Kategori Tarif Tariff category | Unit | Kadar Rate |
|--|---|-----------------|------------|
| 1 | Tarif A – Tarif Kediaman Tariff A – Domestic Tariff | | |
| | 200 kWj pertama (1-200 kWj) sebulan For the first 200 kWh (1-200 kWh) per month | sen/kWj sen/kWh | 21.80 |
| | 100 kWj berikutnya (201-300 kWj) sebulan For the next 100 kWh (201-300 kWh) per month | sen/kWj sen/kWh | 33.40 |
| | 300 kWj berikutnya (301-600 kWj) sebulan For the next 300 kWh (301-600 kWh) per month | sen/kWj sen/kWh | 51.60 |
| | 300 kWj berikutnya (601-900 kWj) sebulan For the next 300 kWh (601-900 kWh) per month | sen/kWj sen/kWh | 54.60 |
| | Setiap kWj berikutnya (901 kWj ke atas) sebulan For the next kWh (901 and above) per month | sen/kWj sen/kWh | 57.10 |
| | Caj minimum bulanan Minimum monthly charge | RM | 3.00 |
| 2 | Tarif B – Tarif Perdagangan Voltan Rendah Tariff B – Low Voltage Commercial Tariff | | |
| | 200 kWj pertama (1-200 kWj) sebulan For the first 200 kWh (1-200 kWh) per month | sen/kWj sen/kWh | 43.50 |
| | Setiap kWj berikutnya (201 kWj ke atas) sebulan For the next kWh (201 and above) per month | sen/kWj sen/kWh | 50.90 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 7.20 |
| 3 | Tarif C1 – Tarif Perdagangan Am Voltan Sederhana Tariff C1 – Medium Voltage General Commercial Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 30.30 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 21.80 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| 4 | Tarif C2 – Tarif Perdagangan Puncak/Luar Puncak Voltan Sederhana Tariff C2 – Medium Voltage Peak/Off-Peak Commercial Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 45.10 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 36.50 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | sen/kWj sen/kWh | 22.40 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| 5 | Tarif D – Tarif Perindustrian Voltan Rendah Tariff D – Low Voltage Industrial Tariff | | |
| | 200 kWj pertama (1-200 kWj) sebulan For the first 200 kWh (1-200 kWh) per month | sen/kWj sen/kWh | 38.00 |
| | Setiap kWj berikutnya (201 kWj ke atas) sebulan For the next (201 and above) per month | sen/kWj sen/kWh | 44.10 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 7.20 |
| | Tarif Ds – Tarif Perindustrian Khas (untuk pengguna yang layak sahaja) Tariff Ds – Special Industrial Tariff (only for qualified consumers) | | |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 42.70 |
| Caj minimum bulanan Minimum monthly charge | RM | 7.20 | |
| 6 | Tarif E1 – Tarif Perindustrian Am Voltan Sederhana Tariff E1 – Medium Voltage General Industrial Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 29.60 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 33.70 |
| | Caj minimum bulanan Minimum monthly charge | RM | 600.00 |
| | Tarif E1s – Tarif Perindustrian Khas (untuk pengguna yang layak sahaja) Tariff E1s – Special Industrial Tariff (only for qualified consumers) | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | sen/kWj sen/kWh | 23.70 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 33.60 |
| | Caj minimum bulanan Minimum monthly charge | RM | 600.00 |

Apendiks 5: Tarif-tarif elektrik TNB berkuat kuasa 1 Januari 2014
Appendix 5: TNB Electricity Tariffs effective from 1 January 2014

| Bil. No. | Kategori Tarif Tariff category | Unit | Kadar Rate |
|----------|--|-----------------|------------|
| 7 | Tarif E2 – Tarif Perindustrian Puncak/Luar Puncak Voltan Sederhana Tariff E2 – Medium Voltage Peak/Off-Peak Industrial Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | sen/kWj sen/kWh | 37.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 35.50 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 21.90 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| | Tarif E2s – Tarif Perindustrian Khas (untuk pengguna yang layak sahaja) Tariff E2s – Special Industrial Tariff (only for qualified consumers) | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 32.90 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 33.60 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 19.10 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| 8 | Tarif E3 – Tarif Perindustrian Puncak/Luar Puncak Voltan Tinggi Tariff E3 – High Voltage Peak/Off-Peak Industrial Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 35.50 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 33.70 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 20.20 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| | Tarif E3s – Tarif Perindustrian Khas (untuk pengguna yang layak sahaja) Tariff E3s – Special Industrial Tariff (only for qualified consumers) | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 29.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 31.70 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 17.50 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| 9 | Tarif F – Tarif Perlombongan Voltan Rendah Tariff F – Low Voltage Mining Tariff | | |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 38.10 |
| | Caj minimum bulanan Minimum monthly charge | RM | 120.00 |
| 10 | Tarif F1 – Tarif Perlombongan Am Voltan Sederhana Tariff F1 – Medium Voltage General Mining Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 21.10 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 31.30 |
| | Caj minimum bulanan Minimum monthly charge | RM | 120.00 |
| 11 | Tarif F2 – Tarif Perlombongan Puncak/Luar Puncak Voltan Sederhana Tariff F2 – Medium Voltage Peak/Off-Peak Mining Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 29.80 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 31.30 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 17.20 |
| | Caj minimum bulanan Minimum monthly charge | RM | 120.00 |
| 12 | Tarif G – Tarif Lampu Jalan Raya Tariff G – Street Lighting Tariff | | |
| | Bagi semua kWj (termasuk senggaraan) For all kWh (including maintenance) | sen/kWj sen/kWh | 30.50 |
| | Bagi semua kWj (tidak termasuk senggaraan) For all kWh (excluding maintenance) | sen/kWj sen/kWh | 19.20 |
| | Caj minimum bulanan Minimum monthly charge | RM | 7.20 |

Apendiks 5: Tarif-tarif elektrik TNB berkuat kuasa 1 Januari 2014
Appendix 5: TNB Electricity Tariffs effective from 1 January 2014

| Bil. No. | Kategori Tarif Tariff category | Unit | Kadar Rate |
|----------|---|-----------------|------------|
| 13 | Tarif G1 – Tarif Lampu Neon & Lampu Limpah Tariff G1 – Neon & Floodlight Tariff | | |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 20.80 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 7.20 |
| 14 | Tarif H – Tarif Pertanian Spesifik Voltan Rendah Tariff H – Low Voltage Specific Agriculture Tariff | | |
| | 200 kWj pertama (1-200 kWj) sebulan For the first 200 kWh (1-200 kWh) per month | sen/kWj sen/kWh | 39.00 |
| | Setiap kWj berikutnya (201 kWj ke atas) sebulan For the next kWh (201 kWh and above) per month | sen/kWj sen/kWh | 47.20 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 7.20 |
| 15 | Tarif H1 – Tarif Pertanian Spesifik Am Voltan Sederhana Tariff H1 – Medium Voltage General Specific Agriculture Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 30.30 |
| | Bagi semua kWj For all kW | sen/kWj sen/kWh | 35.10 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |
| 16 | Tarif H2 – Tarif Pertanian Spesifik Puncak/Luar Puncak Voltan Sederhana Tariff H2 - Medium Voltage Peak/Off-peak Specific Agriculture Tariff | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 40.80 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 36.50 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 22.40 |
| | Caj minimum bulanan Minimum monthly Charge | RM | 600.00 |

Apendiks 6: Tarif-tarif Elektrik TNB untuk Top-Up dan Standby (Cogenerator Sahaja)
Appendix 6: TNB Electricity Tariffs for Top-Up and Standby (Cogenerators Only)

| Bil. No. | Kategori Tarif Tariff Category | Unit | Top-up | Standby |
|----------|--|-----------------|--------|---------|
| 1 | Tarif C1 – Perdagangan Am Voltan Sederhana Tariff C1 – Medium Voltage General Commercial Tariff | | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 30.30 | 14.00 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 36.50 | |
| 2 | Tarif C2 – Perdagangan Puncak/Luar Puncak Voltan Sederhana Tariff C2 – Medium Voltage Peak/Off Peak Commercial Tariff | | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 45.10 | 14.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 36.50 | |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off- peak period | sen/kWj sen/kWh | 22.40 | |
| 3 | Tarif E1 – Perindustrian Am Voltan Sederhana Tariff E1 – Medium Voltage General Industrial Tariff | | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 29.60 | 14.00 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 33.70 | |

Apendiks 6: Tarif-tarif Elektrik TNB untuk Top-Up dan Standby (Cogenerator Sahaja)
Appendix 6: TNB Electricity Tariffs for Top-Up and Standby (Cogenerators Only)

| Bil. No. | Kategori Tarif Tariff Category | Unit | Top-up | Standby |
|---|--|-----------------|--------|---------|
| Tarif E2 – Perindustrian Puncak/Luar Puncak Voltan Sederhana Tariff E2 – Medium Voltage Peak/Off-Peak Industrial Tariff | | | | |
| 4 | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 37.00 | 14.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 35.50 | |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | sen/kWj sen/kWh | 21.90 | |
| Tarif E3 – Perindustrian Puncak/Luar Puncak Voltan Tinggi Tariff E3 – High Voltage Peak/Off-Peak Industrial Tariff | | | | |
| 5 | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 35.50 | 12.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 33.70 | |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | sen/kWj sen/kWh | 20.20 | |
| Tarif F1 – Perlombongan Am Voltan Sederhana Tariff F1 - Medium Voltage General Mining Tariff | | | | |
| 6 | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 21.10 | 14.00 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 31.30 | |
| Tarif F2 – Perlombongan Puncak/Luar Puncak Voltan Sederhana Tariff F2 – Medium Voltage Peak/Off-Peak Mining Tariff | | | | |
| 7 | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 29.80 | 14.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 31.30 | |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | sen/kWj sen/kWh | 17.20 | |
| Tarif H1 – Tarif Pertanian Spesifik Am Voltan Sederhana Tariff H1 – Medium Voltage Specific General Agriculture Tariff | | | | |
| 8 | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 30.30 | 14.00 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 35.10 | |
| Tarif H2 – Tarif Pertanian Spesifik Am Puncak/Luar Puncak Tariff H1 – Medium Voltage Specific General Agriculture Tariff | | | | |
| 9 | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 40.80 | 14.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 36.50 | |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | RM/kW | 22.40 | |

Nota | Notes:

- Semua pengguna cogen baharu dan pengguna cogen sedia ada yang berhasrat untuk menukar kepada kadar Standby yang baru ini.
All new cogen customers and existing cogen customers who wish to migrate to this new Standby rate.
- Bagi pengguna cogen sedia ada yang berhasrat untuk mengekalkan kadar *Standby (Firm dan Non-Firm)* yang lama, kadar Standby (*Firm dan Non-Firm*) yang lama bersama-sama kadar Top-up yang baru (bermula 1 Januari 2014) akan diguna pakai.
For existing cogen customer who wishes to maintain previous Standby (*Firm and Non-Firm*) rates, the rate is applicable together with the new Top-Up rate (as of 1 January 2014).
- Kutipan 1.6% FiT untuk Kumpulan Wang TBB akan dikenakan ke atas bil elektrik bulanan pengguna (kecuali pengguna Domestik yang menggunakan sehingga 300 kWj sebulan) berkuat kuasa mulai 1 Januari 2014.
Effective from 1 January 2014, 1.6% FiT for RE Fund is imposed on consumers' monthly electricity bill (except for domestic consumers with consumption not exceeding 300 kWh per month)

Apendiks 7: Tarif-tarif Elektrik Sabah Electricity Sdn. Bhd. (SESB) & WP Labuan (Berkuat Kuasa 1 Januari 2014)
Appendix 7: Sabah Electricity Sdn. Bhd. (SESB) & FT Labuan Electricity Tariffs (Effective 1 January 2014)

| Bil. No. | Kategori Tarif Tariff Category | Unit | Kadar Semasa Current Rate |
|---|--|-----------------|------------------------------|
| Tarif DM – Tarif Kediaman Tariff DM – Domestic Tariff | | | |
| 1 | 100 kWj pertama (1-100 kWj) sebulan For the first 100 kWh (1-100 kWh) per month | sen/kWj sen/kWh | 17.50 |
| | 100 kWj berikutnya (101-200 kWj) sebulan For the next 100 kWh (101-200 kWh) per month | sen/kWj sen/kWh | 18.50 |
| | 300 kWj berikutnya (201-300 kWj) sebulan For the next 300 kWh (201-300 kWh) per month | sen/kWj sen/kWh | 33.00 |
| | 200 kWj berikutnya (301-500 kWj) sebulan For the next 200 kWh (301-500 kWh) per month | sen/kWj sen/kWh | 44.50 |
| | 500 kWj berikutnya (501-1000 kWj) sebulan For the next 500 kWh (501-1000 kWh) per month | sen/kWj sen/kWh | 45.00 |
| | Setiap kWj berikutnya (1001 kWj ke atas) sebulan For the next kWh (1001 kWh and above) per month | sen/kWj sen/kWh | 47.00 |
| | Caj minimum bulanan Minimum monthly charge | RM | 5.00 |
| Tarif CM1 – Tarif Perdagangan Voltan Rendah Tariff CM1 – Low Voltage Commercial Tariff | | | |
| 2 | 200 kWj pertama (1-200 kWj) sebulan For the first 200 kWh (1-200 kWh) per month | sen/kWj sen/kWh | 38.50 |
| | Setiap kWj berikutnya (201 kWj ke atas) sebulan For the next kWh (201 kWh and above) per month | sen/kWj sen/kWh | 39.50 |
| | Caj minimum bulanan Minimum monthly charge | RM | 15.00 |
| Tarif CM2 – Perdagangan Am Voltan Sederhana Tariff CM2 – Medium Voltage General Commercial Tariff | | | |
| 3 | Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM/kW | 23.20 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 32.40 |
| | Caj minimum bulanan Minimum monthly charge | RM | 1,000.00 |
| Tarif CM3 – Tarif Perdagangan Tariff CM3 – Commercial Tariff | | | |
| 4 | Puncak/Luar Puncak Voltan Sederhana Medium Voltage Peak/Off Peak Commercial | | |
| | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 32.60 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 32.40 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | sen/kWj sen/kWh | 19.50 |
| | Caj minimum bulanan Minimum monthly charge | RM | 1,000.00 |
| Tarif ID1 – Tarif Perindustrian Voltan Rendah Tariff ID1 – Low Voltage Industrial Tariff | | | |
| 5 | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 37.6 |
| | Caj minimum bulanan Minimum monthly charge | RM | 15.00 |

Apendiks 7: Tarif-tarif Elektrik Sabah Electricity Sdn. Bhd. (SESB) & WP Labuan (Berkuat Kuasa 1 Januari 2014)
Appendix 7: Sabah Electricity Sdn. Bhd. (SESB) & FT Labuan Electricity Tariffs (Effective on 1st January 2014)

| Bil. No. | Kategori Tarif Tariff Category | Unit | Kadar Semasa Current Rate |
|--|--|-----------------|------------------------------|
| Tarif ID2 – Tarif Perindustrian Am Voltan Sederhana Medium Voltage Industrial Tariff | | | |
| 6 | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 21.75 |
| | Bagi semua kWj For all kWh | sen/kWj sen/kWh | 26.80 |
| | Caj minimum bulanan Minimum monthly charge | RM | 1,000.00 |
| Tarif ID3 – Tarif Perindustrian Puncak/Luar Puncak Voltan Sederhana Tariff ID3 – Medium Voltage Peak/Off Peak Industrial | | | |
| 7 | Bagi setiap kilowatt kehendak maksimum sebulan dalam tempoh puncak For each kilowatt of maximum demand per month during the peak period | RM/kW | 28.00 |
| | Bagi semua kWj dalam tempoh puncak For all kWh during the peak period | sen/kWj sen/kWh | 28.60 |
| | Bagi semua kWj dalam tempoh luar puncak For all kWh during the off-peak period | sen/kWj sen/kWh | 18.00 |
| | Caj minimum bulanan Minimum monthly charge | RM | 1,000.00 |
| Tarif PL – Tarif Lampu Jalan Raya Tariff PL – Public Lighting | | | |
| 8 | Bagi semua kWj (tidak termasuk senggaraan) For all kWh (excluding maintenance) | sen/kWj sen/kWh | 20.30 |
| | Bagi semua kWj (termasuk senggaraan) For all kWh (including maintenance) | sen/kWj sen/kWh | 36.30 |
| | Caj minimum bulanan Minimum monthly charge | RM | 15.00 |

Apendiks 8: Tarif-Tarif Elektrik Sarawak Energy Berhad (SEB)
Appendix 8: Sarawak Energy Berhad (SEB) Electricity Tariffs

| Kategori Tarif Tariff Category | Kadar per unit Rate per unit |
|--|--|
| Tarif C1 - Komersial Tariff C1 - Commercial | |
| 1 - 100 unit | 20.0 sen |
| 1 - 200 unit | 24.0 sen |
| 1 - 300 unit | 26.0 sen |
| 1 - 400 unit | 28.0 sen |
| 1 - 500 unit | 30.0 sen |
| 1 – 3,000 unit | 31.5 sen |
| 1 – 10,000 unit | 32.0 sen |
| 1 – 20,000 unit | 31.0 sen |
| 1- Melebihi 20,000 unit 1 - Above 20,000 units | 30.0 sen |
| Caj minimum bulanan Minimum monthly charge | RM10.00 |
| Tarif C2 - Kehendak Perdagangan Tariff C2 - Commercial Demand | |
| Semua penggunaan All consumption | 24.5 sen |
| Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM16.00 |
| Caj minimum bulanan Minimum monthly charge | RM 16.00 per kilowatt x Kehendak Bil RM 16.00 per kilowatt x Billing Demand |
| Tarif C3 - Kehendak Waktu Puncak / Bukan Waktu Puncak Perdagangan Tariff C3 - Commercial Peak/Off-Peak Demand | |
| Bagi setiap unit waktu puncak For each unit during the peak period | 24.5 sen |
| Bagi setiap unit bukan waktu puncak For each unit during the off-peak period | 13.9 sen |
| Bagi setiap kilowatt kehendak maksimum sebulan semasa waktu puncak For each kilowatt of maximum demand per month during the peak period | RM20.00 |
| Caj minimum bulanan Minimum monthly charge | RM 20.00 per kilowatt x Kehendak Bil RM 20.00 per kilowatt x Billing Demand |
| Tarif D - Domestik Tariff D - Domestic | |
| Bagi 1 hingga 100 unit sebulan For 1 to 100 units per month | 18 sen |
| Bagi 1 hingga 150 unit sebulan For 1 to 150 units per month | 18 sen |
| Bagi 1 hingga 200 unit sebulan For 1 to 200 units per month | 22 sen |
| Bagi 1 hingga 300 unit sebulan For 1 to 300 units per month | 25 sen |
| Bagi 1 hingga 400 unit sebulan For 1 to 400 units per month | 27 sen |
| Bagi 1 hingga 500 unit sebulan For 1 to 500 units per month | 29.5 sen |
| Bagi 1 hingga 700 unit sebulan For 1 to 700 units per month | 30 sen |
| Bagi 1 hingga 800 unit sebulan For 1 to 800 units per month | 30.5 sen |

Apendiks 8: Tarif-Tarif Elektrik Sarawak Energy Berhad (SEB)
Appendix 8: Sarawak Energy Berhad (SEB) Electricity Tariffs

| Kategori Tarif Tariff Category | Kadar per unit Rate per unit |
|--|--|
| Tarif D - Domestik Tariff D - Domestic | |
| Bagi 1 hingga 1,300 unit sebulan For 1 to 1,300 units per month | 31 sen |
| Bagi Melebihi 1,300 unit sebulan For above 1,300 units per month | 31.5 sen |
| Caj minimum bulanan Minimum monthly charge | RM5.00 |
| Tarif I1 – Perindustrian Tariff I1 - Industrial | |
| 1- 100 unit 1- 100 units | 24.0 sen |
| 1– 3,000 unit 1– 3,000 units | 25.0 sen |
| 1- melebihi 3,000 unit 1 - above 3,000 units | 26.0 sen |
| Caj minimum bulanan Minimum monthly charge | RM10.00 |
| Tarif I2- Kehendak Perindustrian Industrial Demand | |
| Semua penggunaan All consumption | 21.7 sen |
| Bagi setiap kilowatt kehendak maksimum sebulan For each kilowatt of maximum demand per month | RM16.00 |
| Caj minimum bulanan Minimum monthly charge | RM 16.00 per kilowatt x Kehendak Bil RM 16.00 per kilowatt x Billing Demand |
| Tarif I3 - Kehendak Waktu Puncak/Bukan Waktu Puncak Perindustrian Tariff I3 - Industrial Peak/Off-Peak Demand | |
| Bagi setiap unit waktu puncak For each unit during the peak period | 22.9 sen |
| Bagi setiap unit bukan waktu puncak For each unit during the off-peak period | 13.9 sen |
| Bagi setiap kilowatt kehendak maksimum sebulan semasa waktu puncak For each kilowatt of maximum demand per month during the peak period | RM20.00 |
| Caj minimum bulanan Minimum monthly charge | RM 20.00 per kilowatt x Kehendak Bil RM 20.00 per kilowatt x Billing Demand |
| Tarif PL - Lampu Awam Tariff PL - Public Lighting | |
| Bagi setiap unit For each unit | 47 sen |
| Caj minimum bulanan Minimum monthly charge | RM10.00 |

Apendiks 9: Harga Jualan Purata Syarikat Utiliti Kuasa Utama Mengikut Sektor
Appendix 9: Average Selling Prices of Major Power Utility Companies by Sectors

| Harga Jualan Purata (sen/kWj) Average Selling Prices (sen/kWh) | | | | | | | |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| TNB | | | | | | | |
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Domestik Domestic | 33.21 | 32.87 | 33.09 | 33.74 | 34.91 | 35.29 | 34.72 |
| Komersial Commercial | 46.76 | 47.16 | 47.28 | 47.20 | 47.48 | 47.42 | 47.27 |
| Industri Industrial | 37.13 | 36.97 | 37.30 | 37.62 | 38.01 | 37.91 | 37.93 |
| Perlombongan Mining | 25.34 | 25.07 | 24.61 | 24.07 | 25.55 | 26.26 | 24.63 |
| Lampu Awam Public Lighting | 25.57 | 25.53 | 25.57 | 25.13 | 25.37 | 25.37 | 25.38 |
| Pertanian Agriculture | 45.78 | 45.54 | 45.69 | 45.98 | 45.77 | 45.90 | 45.91 |
| Tarif Hijau Green Tariff | | | | 8.00 | 8.00 | 0.00 | 0.00 |
| Purata Average | 39.55 | 39.53 | 39.68 | 39.89 | 40.07 | 39.94 | 40.06 |
| SESB | | | | | | | |
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Domestik Domestic | 28.86 | 28.39 | 29.11 | 29.60 | 30.20 | 30.26 | 29.82 |
| Komersial Commercial | 38.21 | 38.26 | 39.19 | 39.38 | 39.61 | 38.41 | 39.63 |
| Industri Industrial | 31.36 | 31.09 | 31.36 | 31.58 | 31.87 | 31.63 | 31.48 |
| Lampu Awam Public Lighting | 23.09 | 23.27 | 24.61 | 25.14 | 25.47 | 25.30 | 25.47 |
| Purata Average | 33.41 | 33.30 | 34.00 | 34.31 | 34.29 | 34.43 | 34.34 |
| SEB (Pelanggan Regulated Tariff Sahaja Regulated Tariff Customers Only) | | | | | | | |
| | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 |
| Domestik Domestic | 28.30 | 28.21 | 28.27 | 28.47 | 30.20 | 28.96 | 28.80 |
| Komersial Commercial | 30.53 | 30.54 | 30.50 | 30.65 | 39.61 | 30.59 | 30.50 |
| Industri Industrial | 24.15 | 23.86 | 23.69 | 24.16 | 31.87 | 23.96 | 24.00 |
| Lampu Awam Public Lighting | 47.12 | 47.18 | 47.17 | 47.20 | 25.47 | 47.28 | 47.70 |
| Purata Average | 28.20 | 28.04 | 27.96 | 28.22 | 34.29 | 28.30 | 21.40 |

Apendiks 10: Kos Penjanaan TNB
Appendix 10: Generation Costs of TNB

| Kos Penjanaan (sen/kWj) Generation Costs (sen/kWh) | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|--------------|--------------|--------------|--------------|--------------|
| (a) Penjanaan Sendiri Own Generation | 26.91 | 29.39 | 28.04 | 28.67 | 37.38 |
| (b) Elektrik Dibeli Purchased Electricity | 25.72 | 25.61 | 20.83 | 22.72 | 36.17 |
| (c) Kos Keseluruhan (a) & (b) Overall Cost (a) & (b) | 25.89 | 26.09 | 21.66 | 23.16 | 36.24 |

Nota | Notes:

- Data Tahun Kewangan | Financial Year data
- Kos (kapasiti, tenaga) / Jumlah Penjanaan Tenaga (bagi IPP, menggunakan syarat yang termaktub dalam PPA/SLA).
Cost (capacity, energy) / Total Units Generated (for IPP, based on condition stipulated in PPA/SLA).
- Disebabkan perubahan dalam tahun laporan fiskal TNB kepada berakhir 31 Disember 2017 berbanding 31 Ogos 2017 sebelum ini, terdapat tahun kewangan yang singkat bermula dari 1 September 2017 hingga 31 Disember 2017, yang meliputi tempoh empat bulan. Selepas itu, tahun kewangan kumpulan itu telah kembali kepada dua belas bulan yang berakhir 31 Disember 2018.
Due to the change in TNB's fiscal reporting year end to 31 December 2017 compared to 31 August 2017 before this, a short financial year commenced from 1 September 2017 to 31 December 2017, covering a period of four months. Thereafter, the financial year of the group has reverted to twelve months ending 31 December 2018.

Apendiks 11: Kos Penjanaan Sabah Electricity Sdn. Bhd. (SESB)
Appendix 11: Generation Cost of Sabah Electricity Sdn. Bhd. (SESB)

| Kos Penjanaan (sen/kWj) Generation Costs (sen/kWh) | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|--------------|--------------|--------------|--------------|--------------|
| (a) Penjanaan Sendiri Own Generation | 39.17 | 41.66 | 17.83 | 10.03 | 53.60 |
| (b) Elektrik Dibeli Purchased Electricity | 19.36 | 19.90 | 17.90 | 16.92 | 21.00 |
| (c) Kos Keseluruhan (a) & (b) Overall Cost (a) & (b) | 22.76 | 23.51 | 17.88 | 15.59 | 26.80 |

Nota | Notes:

- Kos penjanaan di atas adalah berdasarkan harga pasaran bagi bahan api diesel & MFO, harga pembelian tenaga bagi LSS manakala TBB di bawah skim FiT adalah dengan subsidi daripada KWTBB (SEDA). Harga gas bagi Sabah & WP Labuan adalah pada RM6.40/mmBTU.
The above generation costs are based on market prices for diesel & MFO, energy purchase price for LSS, while RE under the FIT scheme is subsidised by KWTBB (SEDA). Gas prices for Sabah & Federal Territory of Labuan is at RM6.40/mmBTU.

Apendiks 12: Kos Penjanaan Sarawak Energy Berhad (SEB)
Appendix 12: Generation Costs of Sarawak Energy Berhad (SEB)

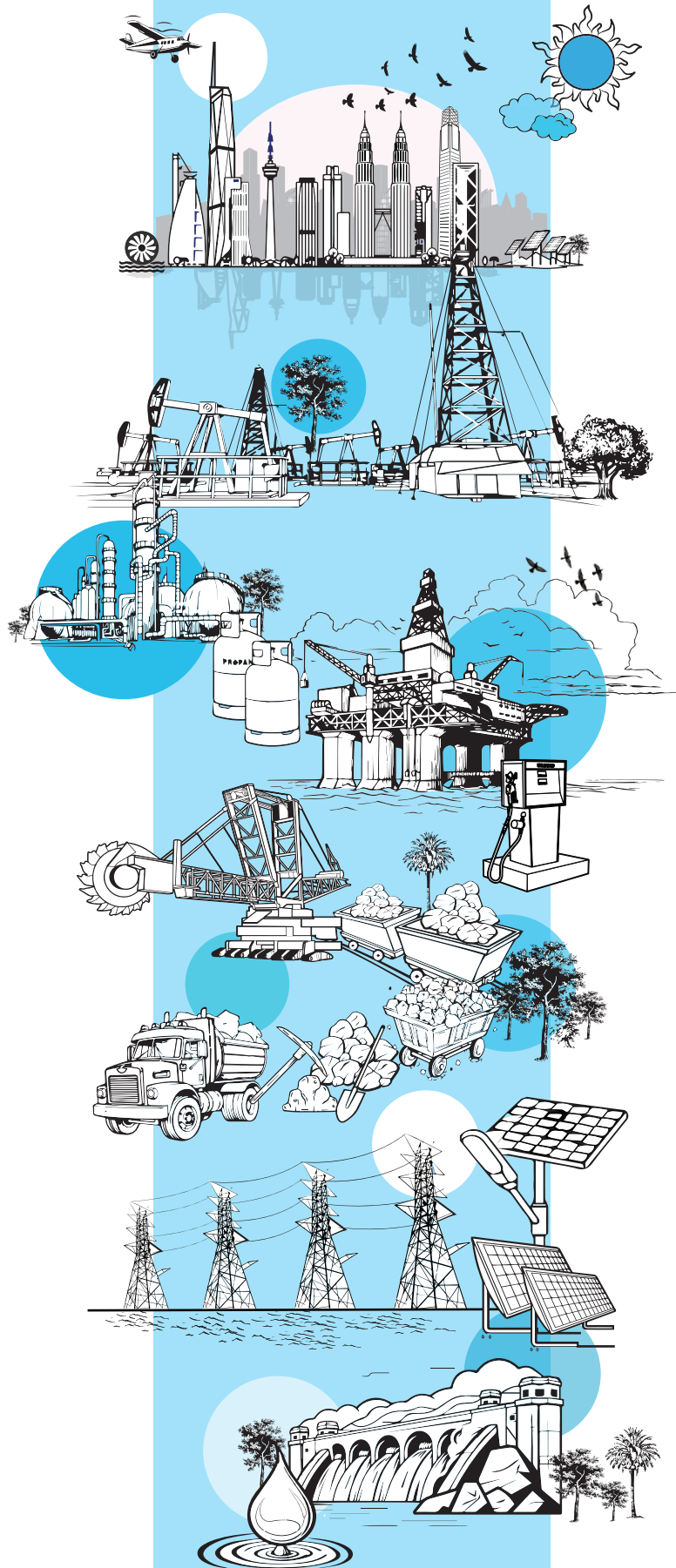
| Kos Penjanaan (sen/kWj) Generation Costs (sen/kWh) | 2018 | 2019 | 2020 | 2021 | 2022 |
|---|-------------|-------------|-------------|-------------|-------------|
| (a) Penjanaan Sendiri Own Generation | 2.70 | 2.74 | 4.07 | 4.49 | 5.65 |
| (b) Elektrik Dibeli Purchased Electricity | 0 | 0 | 0 | 0 | 0 |
| (c) Kos Keseluruhan (a) & (b) Overall Cost (a) & (b) | 2.70 | 2.74 | 4.07 | 4.49 | 5.65 |

Nota | Notes:

- Kos penjanaan (sen/kWj) terdiri daripada kos bahan bakar daripada gas, arang batu dan diesel serta pembayaran royalti air untuk penjanaan hidro.
Generation costs (sen/kWh) consist of fuel costs from gas, coal and diesel as well as the water royalty payment for hydro generation.
- Berkuatkuasa 1 Ogos 2017, tiada lagi elektrik yang dibeli, oleh itu kos purata pembelian kuasa berkurangan kepada 7.8 sen/kWh pada tahun 2017.
Effective 1 Aug 2017, there is no more purchased electricity, hence the average cost of power purchase reduced to 7.8 sen/kWh in year 2017.
- Penjanaan yang tidak bersambung dengan grid dikecualikan daripada kos penjanaan untuk tahun 2017 dan berikutnya.
Non-grid generation is excluded from the generation cost for year 2017 and onwards.

PEMEGANG LESEN

Licencees



Apendiks 13: Penjana-penjana Bebas (IPP)
Appendix 13: Independent Power Producers (IPP)

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 1 | EDRA ENERGY SDN. BHD. | 1)LOT 20263, (2)LOT 9323, (3)LOT 7001, (4)LOT 14803, (5)LOT 4695, (6)LOT 14770, (7)LOT 4640, (8)LOT 4702, (9)LOT 4703, (10)LOT 4605, AND (11)PT1638 (1 TO 3)MUKIM SUNGEI BARU ILIR, AND (4 TO 11)MUKIM KUALA SUNGEI BARU ALOR GAJAH 78200 MELAKA | Oct-20 | Oct-41 | 2,296.00 |
| 2 | JIMAH EAST POWER SDN. BHD. | PT8387, PT8388, PT8389, PT 8390 DAN PT 8392, MUKIM JIMAH, DAERAH PORT DICKSON, 71960 NEGERI SEMBILAN. | Aug-19 | Aug-44 | 2,159.00 |
| 3 | JIMAH ENERGY VENTURES SDN. BHD. | PT 7308 DAN PT 7309, MUKIM JIMAH. PORT DICKSON, NEGERI SEMBILAN. | Mar-05 | Mar-34 | 1,400.00 |
| 4 | KAPAR ENERGY VENTURES SDN. BHD. | H.S.(D)27997, P.T 13310, H.S.(D)71648 P.T 39670 DAN H.S.(D)83937 P.T 42930, MUKIM KAPAR, DAERAH KLANG, SELANGOR. | Jul-04 | Jun-29 | 2,200.00 |
| 5 | KIMANIS POWER SDN. BHD. | NO. LOT NT 023140150, NT 02340169, NT 023140178, NT 023140203, CL 025341422, CL 025341413, NT 023176150 DAN SEBAHAGIAN DARI LOT 02200228, KM 48, KG. BATU PUNGIT, MUKIM KIMANIS, DAERAH PAPAR, 89607 SABAH. | Sep-13 | Sep-34 | 285.00 |
| 6 | KUALA LANGAT POWER PLANT SDN. BHD. | LOT 7090, MUKIM TANJUNG 12, KUALA LANGAT, 42700 BANTING, SELANGOR. | Feb-16 | Feb-26 | 675.00 |
| 7 | MUSTEQ HYDRO SDN. BHD. | STESYEN JANAKUASA HIDRO ELEKTRIK SUNGAI KENERONG, KELANTAN | Jun-94 | Dec-30 | 20.00 |
| 8 | NUR GENERATION SDN. BHD. | KULIM HI TECH INDUSTRIAL PARK, MUKIM OF PADANG CHINA, KEDAH. | Sep-98 | May-33 | 220.00 |
| 9 | PANGLIMA POWER SDN. BHD. | MUKIM SUNGEI BARU ILIR, DAERAH ALOR GAJAH, MELAKA. | Aug-01 | Aug-24 | 720.00 |
| 10 | PENGERANG POWER SDN. BHD. | PLOT 46 DAN DI DALAM PERSEMPADANAN PENGERANG INTEGRATED COMPEX (PIC), MUKIM PENGERANG, DAERAH KOTA TINGGI, 81600 JOHOR. | Jun-17 | Jun-38 | 1,729.00 |
| 11 | PENGERANG POWER SDN. BHD. | PLOT 46 DAN DI DALAM PERSEMPADANAN PENGERANG INTEGRATED COMPEX (PIC), MUKIM PENGERANG, DAERAH KOTA TINGGI, 81600 JOHOR | Jun-17 | Jun-38 | 1,749.00 |
| 12 | PRAI POWER SDN. BHD.. | LMS NO: 00186 DAERAH SEBERANG PERAI TENGAH 13700 PULAU PINANG | Feb-01 | Feb-24 | 350.00 |
| 13 | RANHILL SABAH ENERGY II SDN. BHD. | LOT 35 (IZ4), KOTA KINABALU INDUSTRIAL PARK KOTA KINABALU, SABAH. | Sep-09 | Sep-32 | 190.00 |
| 14 | RANHILL SABAH ENERGY I SDN. BHD. | LOT 3, KKIP SELATAN, IZ3 KOTA KINABALU INDUSTRIAL PARK, KOTA KINABALU, SABAH | Jun-06 | Jun-29 | 190.00 |
| 15 | SEGARI ENERGY VENTURES SDN. BHD. | LOT PT0006325, PT 0006356, PT0006327 PT0006328, PT0006329, MUKIM PENGKALAN BARU DAERAH MANJUNG 34900 PERAK. | Jul-17 | Jun-27 | 1,303.00 |
| 16 | SEPANGAR BAY POWER CORPORATION SDN. BHD. | LOT 18(IZ3), KOTA KINABALU INDUSTRIAL PARK, 88450 KOTA KINABALU, SABAH. | May-06 | May-29 | 100.00 |
| 17 | SERUDONG POWER SDN. BHD. | LOT CL 10531128, MUKIM TAWAU, DAERAH TAWAU, 91000 SABAH, | Mar-22 | Mar-25 | 37.50 |
| 18 | SOUTHERN POWER GENERATION SDN. BHD | SEBAHAGIAN LOT 1363, LOT 1372-1390, LOT 1959, LOT 195179, MLO 6232 DAN MLO 6022, MUKIM PLENTONG, DAERAH JOHOR, 80000 JOHOR | Jan-21 | Dec-41 | 1,476.00 |

Apendiks 13: Penjana-penjana Bebas (IPP)
Appendix 13: Independent Power Producers (IPP)

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 19 | SOUTHERN POWER GENERATION SDN. BHD | SEBAHAGIAN LOT 1363, LOT 1372-1390, LOT 1959, LOT 195179, MLO 6232 DAN MLO 6022, MUKIM PLENTONG, DAERAH JOHOR BAHRU, 80000 JOHOR | May-19 | May-40 | 1,476.00 |
| 20 | SPR ENERGY (M) SDN. BHD. | NO. LOT NT 11066, NT 11067, NT 11068, NT 11069 & 023159864 KIMANIS, DAERAH PAPAR SABAH. | Oct-13 | Oct-34 | 100.00 |
| 21 | STRATAVEST SDN. BHD. | LOT CL 075323447, LOT 1, DAERAH SANDAKAN, MUKIM SANDAKAN, 90737 SABAH | Feb-22 | Feb-25 | 50.03 |
| 22 | TANJUNG BIN ENERGY SDN. BHD. | LOT 1770, 1771, 1773, 1851, 1858, 1859 MUKIM SERKAT, DAERAH PONTIAN JOHOR | Mar-16 | Mar-41 | 1,000.00 |
| 23 | TANJUNG BIN POWER SDN. BHD. | PTD 1769, 1770, 1771, 1772 DAN 1773 MUKIM SERKAT DAERAH PONTIAN JOHOR | Sep-03 | Sep-31 | 2,100.00 |
| 24 | TEKNOLOGI TENAGA PERLIS CONSORTIUM SDN. BHD. | KUALA SUNGAI BARU, PERLIS | Aug-98 | Mar-24 | 650.00 |
| 25 | TENAGA NASIONAL BERHAD (TNB). | SEBAHAGIAN MUKIM HULU TERENGGANU DAERAH HULU TERENGGANU, TERENGGANU. | Dec-15 | Dec-45 | 265.00 |
| 26 | TENAGA NASIONAL BERHAD (TNB) | ULU JELAI, SEBAHAGIAN MUKIM HULU TELOM, DAERAH CAMERON HIGHLANDS, PAHANG. | Aug-16 | Aug-46 | 372.00 |
| 27 | TENAGA NASIONAL BERHAD (TNB-GENERATION DIVISION) | STESEN JANAELEKTRIK TUANKU JAAFAR, LOT PT 391, MUKIM PORT DICKSON, DAERAH PORT DICKSON | Sep-14 | Aug-35 | 1,411.00 |
| 28 | TNB CONNAUGHT BRIDGE SDN. BHD. | SEBAHAGIAN LOT PT 20176 MUKIM KLANG, DAERAH KLANG 41990 SELANGOR. | Sep-15 | Aug-36 | 375.00 |
| 29 | TNB JANAMANJUNG SDN. BHD. | TELOK PENCHALANG, LEKIR, DAERAH MANJUNG, PERAK | May-98 | Jun-29 | 2,100.00 |
| 30 | TNB JANAMANJUNG SDN. BHD. (4) | NO. LOT 43195, SEBAHAGIAN 43196 DAN SEBAHAGIAN 43197, MUKIM SITIAWAN, DAERAH MANJUNG, PERAK | Jan-12 | Jan-37 | 1,010.00 |
| 31 | TNB MANJUNG FIVE SDN. BHD. | LOT 43195, 43196 DAN 43197 SITIAWAN MANJUNG 32040 | Sep-17 | Sep-42 | 1,000.00 |
| 32 | TNB POWER GENERATION SDN. BHD. | STESEN JANAELEKTRIK BERASASKAN GAS PUTRAJAYA DI LOT PT 4839, MUKIM DENGKIL, DAERAH SEPANG, 43650 SELANGOR | Sep-20 | Sep-25 | 270.00 |
| 33 | TNB POWER GENERATION SDN. BHD. | LOT 790, LOT 791, PT29, PT30 SEKSYEN 4 BANDAR JELUTONG TIMOR LAUT 11700 PULAU PINANG | Sep-20 | Sep-24 | 310.00 |
| 34 | TNB POWER GENERATION SDN. BHD. | STESEN JANAELEKTRIK HIDRO SULTAN ISMAIL PETRA (PERGAU) DI LOT PT3551, MUKIM BELIMBING, DAERAH JELI, 17600 KELANTAN | Sep-20 | Sep-37 | 600.00 |
| 35 | TNB POWER GENERATION SDN. BHD. | STESEN JANAELEKTRIK SULTAN YUSUFF, JOR DI SEBAHAGIAN LOT 4321,4322, 4323, 4333, MUKIM TAPAH, DAERAH BATANG PADANG, PERAK DAN STESEN JANAELEKTRIK SULTAN IDRIS II, WHO DI SEBAHAGIAN LOT 1511, MUKIM TAPAH, DAERAH BATANG PADANG, 35009 PERAK | Sep-20 | Sep-27 | 250.00 |

Apendiks 13: Penjana-penjana Bebas (IPP)
Appendix 13: Independent Power Producers (IPP)

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--------------------------------|--|-----------------------------------|-----------------------------------|--|
| 36 | TNB POWER GENERATION SDN. BHD. | STESEN JANA ELEKTRIK HIDRO SULTAN MAHMUD DI MUKIM JENAGOR, DAERAH HULU TERENGGANU, 21700 TERENGGANU | Sep-20 | Sep-25 | 400.00 |
| 37 | TNB POWER GENERATION SDN. BHD. | STESEN JANA ELEKTRIK MINI HIDRO DI STESEN JANA ELEKTRIK ODAK DI SEBAHAGIAN LOT 5188, MUKIM TAPAH, DAERAH BATANG PADANG, 35009 PERAK, STESEN JANA ELEKTRIK KAMPUNG RAJA DI SEBAHAGIAN LOT PT 91, MUKIM ULU TELOM, DAERAH CAMERON HIGHLANDS, 39010 PAHANG, STESEN JANA ELEKTRIK KUALA TERLA DI SEBAHAGIAN LOT PT 287, MUKIM ULU TELOM, DAERAH CAMERON HIGHLANDS, 39000 PAHANG, STESEN JANA ELEKTRIK ROBINSON FALLS DI SEBAHAGIAN LOT PT 558, MUKIM RINGLET, DAERAH CAMERON HIGHLANDS, 39200 PAHANG AND STESEN JANA ELEKTRIK HABU DI MUKIM RINGLET, CAMERON HIGHLANDS, 39200 PAHANG | Sep-20 | Sep-29 | 11.90 |
| 38 | TNB POWER GENERATION SDN. BHD | STESEN JANA ELEKTRIK TEMENGGOR DI SEBAHAGIAN LOT PT 11, 12, 13, 14, 15, 16, 17, 18, 19, MUKIM TEMENGGOR, DAERAH HULU PERAK, 33300 PERAK, STESEN JANA ELEKTRIK BERSIA DI SEBAHAGIAN LOT 13215, MUKIM BERSIA, DAERAH HULU PERAK, 33300 PERAK, STESEN JANA ELEKTRIK KENERING DI SEBAHAGIAN LOT PT 1143, 1144, 1145, MUKIM KENERING, DAERAH HULU PERAK, 33300 PERAK, STESEN JANA ELEKTRIK SUNGAI PIAH UPPER SCHEME DI MUKIM LENGGONG, DAERAH HULU PERAK, 33300 PERAK, STESEN JANA ELEKTRIK SUNGAI PIAH LOWER SCHEME DI MUKIM LENGGONG, DAERAH HULU PERAK, 33300 PERAK, STESEN JANA ELEKTRIK CHENDEROH DI SEBAHAGIAN LOT 2981, 2982, 3301, 3302, MUKIM CHEGAR GALAH, DAERAH KUALA KANGSAR, 33300 PERAK. | Sep-22 | Aug-27 | 649.10 |
| 39 | TNB PRAI SDN. BHD. | PT 10, PT 11 DAN PT 13 BANDAR PRAI SEBERANG PERAI TENGAH 13600, PULAU PINANG | Feb-14 | Feb-35 | 1,071.43 |
| 40 | TSH BIO-ENERGY SDN. BHD. | SEBAHAGIAN LOT CL 105392989, MUKIM TAWAU, DAERAH TAWAU, 91000 SABAH | Jan-22 | Jan-32 | 14.00 |

Apendiks 14: Lesen TBB yang dikeluarkan pada 2022
Appendix 14: RE Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Bahan Api Fuel | Kapasiti Dilesen (MW) Licensed Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|----------------|--|
| 1 | ALLIANCE CONCORD GREEN SDN. BHD. | SEBAHAGIAN LOT 402, MUKIM KERATONG, DAERAH ROMPIN, 85007 PAHANG | Dec-22 | Dec-43 | Biogas | 2.1 |
| 2 | BECIS (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 3137, MUKIM 06, 13600 DAERAH SEBERANG PERAI, NEGERI PULAU PINANG | Jun-22 | Jun-42 | Solar | 2.2405 |
| 3 | BECIS (MALAYSIA) SDN. BHD. | DI LOT 12412, MUKIM 12, DAERAH BARAT DAYA, NEGERI PULAU PINANG | Jun-22 | Jun-42 | Solar | 4.094 |
| 4 | BECIS (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 530 & LOT 307, MUKIM BANDAR JOHOR BAHRU, 81200 DAERAH JOHOR BAHRU, NEGERI JOHOR | Aug-22 | Aug-42 | Solar | 0.28776 |
| 5 | BECIS (MALAYSIA) SDN. BHD. | SEBAHAGIAN PTB 19737, MUKIM BANDAR JOHOR BAHRU, 81200 DAERAH JOHOR BAHRU, NEGERI JOHOR | Aug-22 | Aug-42 | Solar | 0.58969 |
| 6 | BECIS (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 1242, MUKIM LEBUH KAMPUNG JAWA, 11950 DAERAH BAYAN LEPAS, NEGERI PULAU PINANG | Aug-22 | Aug-42 | Solar | 2.673 |
| 7 | BECIS (MALAYSIA) SDN. BHD. | SEBAHAGIAN NO. LOT PT 5942, MUKIM 13, DAERAH SEBERANG PERAI SELATAN, 14110 PULAU PINANG | Jun-22 | Jun-42 | Solar | 2.23512 |
| 8 | BELL CENERGI YP SDN. BHD. | SEBAHAGIAN LOT 2429 & 2430, MUKIM CHAAH BAHRU, DAERAH YONG PENG, 83700 JOHOR | Mar-22 | Mar-43 | Biogas | 2.4 |
| 9 | BERJAYA ENERGIES SDN. BHD. | DI SEBAHAGIAN NO. LOT PT 1682, MUKIM SUNGAI TINGGI, DAERAH ULU SELANGOR, 45500 SELANGOR | Mar-22 | Mar-43 | Biogas | 2 |
| 10 | BETATECHNIC SDN. BHD. | SEBAHAGIAN LOT 20406, MUKIM SITIAWAN, DAERAH MANJUNG, 32400 PERAK | Dec-22 | Dec-43 | Biogas | 2.4 |
| 11 | CENERGI ELPHIL SDN. BHD. | SEBAHAGIAN LOT 1222, MUKIM PULAU KAMIRI, DAERAH KUALA KANGSAR, 31100 PERAK | May-22 | May-43 | Biogas | 1.2 |
| 12 | CENERGI ENDAH SDN. BHD. | SEBAHAGIAN LOT 1450 & 1451, MUKIM JAYA BARU, DAERAH PERAK TENGAH, 32000 PERAK | Jan-22 | Jan-43 | Biogas | 1.2 |
| 13 | CENERGI LANGKAP SDN. BHD. | SEBAHAGIAN LOT 3193, MUKIM CHANGKAT JONG, DAERAH HILIR PERAK, 36700 PERAK | Dec-22 | Dec-43 | Biogas | 1.56 |
| 14 | CENERGI SUNSEAP ENERGY SOLUTIONS SDN. BHD. | SEBAHAGIAN LOT PT 5903, MUKIM 13, DAERAH SEBERANG PERAI SELATAN, 14100 PULAU PINANG | Jun-22 | Jun-42 | Solar | 2.654 |
| 15 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | NO. PT 5012, MUKIM 12, DAERAH BARAT DAYA, 11900 PULAU PINANG | Dec-22 | Dec-37 | Solar | 0.34344 |
| 16 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | NO. LOT 15834, MUKIM 12, DAERAH BARAT DAYA, 11900 PULAU PINANG | Dec-22 | Dec-37 | Solar | 1.0746 |
| 17 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | NO. LOT 16655, MUKIM BUKIT KATIL, 75450 DAERAH MELAKA TENGAH MELAKA | Dec-22 | Dec-42 | Solar | 3.38 |
| 18 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | PT 20104 & 20105, SEKSYEN 13, BANDAR BARU BANGI, MUKIM KAJANG, 43650 DAERAH HULU LANGAT, NEGERI SELANGOR | Dec-22 | Dec-42 | Solar | 2.1907 |
| 19 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | NO. PT 1 B, KAWASAN PERUSAHAAN KULIM, BANDAR KULIM, DAERAH KULIM, 09000 KEDAH | Apr-22 | Apr-42 | Solar | 1.191 |

Apendiks 14: Lesen TBB yang dikeluarkan pada 2022
Appendix 14: RE Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Bahan Api Fuel | Kapasiti Dilesen (MW) Licensed Capacity (MW) |
|---------|--------------------------------------|--|-----------------------------------|-----------------------------------|----------------|--|
| 20 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | NO. PT 8 B, KAWASAN PERUSAHAAN KULIM, BANDAR KULIM, DAERAH KULIM, 09000 KEDAH | Apr-22 | Apr-42 | Solar | 0.72713 |
| 21 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | SEBAHAGIAN PN 6235. LOT 749, PEKAN NILAI, DAERAH SEREMBAN, 71800 NEGERI SEMBILAN | Jan-22 | Jan-42 | Solar | 3.103 |
| 22 | CONCORD BIOTECH SDN. BHD. | SEBAHAGIAN LOT 28, MUKIM TEBAK, DAERAH KEMAMAN, 24010 TERENGGANU | Jan-22 | Jan-43 | Biogas | 2.4 |
| 23 | CONCORD BIOTECH SDN. BHD. | SEBAHAGIAN LOT 7663, MUKIM BELARA, DAERAH KUALA TERENGGANU, 21500 TERENGGANU | Jan-22 | Jan-43 | Biogas | 2.4 |
| 24 | DITROLIC SDN. BHD. | L.A. 92010207 KEPAYAN KOTA KINABALU 88200 SABAH | Jan-22 | Jan-42 | Solar | 3.78 |
| 25 | EFS MYSOLAR SDN. BHD. | SEBAHAGIAN LOT 8135, MUKIM 12, 11900 DAERAH BARAT DAYA, NEGERI PULAU PINANG | Dec-22 | Dec-42 | Solar | 1.056 |
| 26 | EFS MYSOLAR SDN. BHD. | SEBAHAGIAN LOT 8135, MUKIM 12, 11900 DAERAH BARAT DAYA, NEGERI PULAU PINANG. | Dec-22 | Dec-42 | Solar | 3.60815 |
| 27 | ENGIE SERVICES MALAYSIA SDN. BHD. | PT 193, BANDAR SULTAN SULAIMAN, DAERAH KLANG, NEGERI SELANGOR | Dec-22 | Dec-42 | Solar | 0.90034 |
| 28 | EVERGREEN FINTECH SDN. BHD. | SEBAHAGIAN LOT 558, MUKIM 10, 13700 DAERAH SEBERANG PERAI UTARA, NEGERI PULAU PINANG | Mar-22 | Mar-42 | Solar | 0.1007 |
| 29 | FABULOUS SUNVIEW SDN. BHD. | SEBAHAGIAN NO. LOT 9181, MUKIM BANDAR KULIM, DAERAH KULIM, 09000 KEDAH KEDAH | Jun-22 | Jun-42 | Solar | 0.241 |
| 30 | FABULOUS SUNVIEW SDN. BHD. | SEBAHAGIAN NO. LOT 9181, MUKIM BANDAR KULIM, DAERAH KULIM, 09000 KEDAH | Jun-22 | Jun-42 | Solar | 0.288 |
| 31 | GSPARX SDN. BHD. | LOT 52606, DAERAH KUALA NERUS, MUKIM KUALA NERUS, 21300 KUALA TERENGGANU, TERENGGANU | Sep-22 | Sep-42 | Solar | 1.61368 |
| 32 | GSPARX SDN. BHD. | SEBAHAGIAN LOT PT 76825, MUKIM PEKAN KAJANG, DAERAH ULU LANGAT, 43000 KAJANG, SELANGOR | Dec-22 | Dec-37 | Solar | 0.16416 |
| 33 | GSPARX SDN. BHD. | LOT 529, DAERAH PETALING, MUKIM DAMANSARA, 47600 SUBANG JAYA, SELANGOR | Aug-22 | Aug-42 | Solar | 0.308 |
| 34 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 23551, MUKIM SETAPAK, DAERAH KUALA LUMPUR, WILAYAH PERSEKUTUAN KUALA LUMPUR | Sep-22 | Sep-42 | Solar | 1.51305 |
| 35 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 1210, MUKIM DAMANSARA, DAERAH PETALING, 47200 SUBANG, SELANGOR | Sep-22 | Sep-40 | Solar | 2.30426 |
| 36 | GSPARX SDN. BHD.. | SEBAHAGIAN LOT 202141, MUKIM HULU KINTA, DAERAH KINTA, 31500 IPOH, PERAK | Sep-22 | Sep-42 | Solar | 0.3888 |
| 37 | GSPARX SDN. BHD. | SEBAHAGIAN PT NO. 1346, MUKIM KELEMAK, DAERAH ALOR GAJAH, 78000 ALOR GAJAH, NEGERI MELAKA | Dec-22 | Dec-42 | Solar | 0.386 |
| 38 | GSPARX SDN. BHD. | SEBAHAGIAN LOT PT 535, MUKIM DENGKIL, DAERAH SEPANG, 43400 SERDANG, SELANGOR | Dec-22 | Dec-42 | Solar | 2.91885 |
| 39 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 5179, MUKIM BESTARI JAYA, DAERAH KUALA SELANGOR, 45600 SELANGOR | Dec-22 | Dec-42 | Solar | 0.61845 |
| 40 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 107242 DAN LOT 197243, MUKIM HULU KINTA, DAERAH KINTA, 31200 PERAK | Dec-22 | Dec-42 | Solar | 0.55237 |

Apendiks 14: Lesen TBB yang dikeluarkan pada 2022
Appendix 14: RE Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Bahan Api Fuel | Kapasiti Dilesen (MW) Licensed Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|----------------|--|
| 41 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 197244, MUKIM HULU KINTA, DAERAH KINTA, 31200 PERAK DARUL RIDZUAN | Dec-22 | Dec-42 | Solar | 0.32032 |
| 42 | GSPARX SDN. BHD. | SEBAHAGIAN LOT PT 677 SEKSYEN 3, MUKIM BANDAR TELOK PANGLIMA GARANG, DAERAH KUALA LANGAT, 43500 SELANGOR | Dec-22 | Dec-42 | Solar | 1.1009 |
| 43 | GSPARX SDN. BHD. | SEBAHAGIAN LOT PT 535, MUKIM DENGKIL, DAERAH SEPANG, 43300 SELANGOR | Dec-22 | Jan-42 | Solar | 6.20565 |
| 44 | KIM LOONG POWER SDN. BHD. | CL 255340179, MUKIM ENTILIBON, DAERAH TONGOD, 89320 SABAH | Apr-22 | Apr-42 | Biogas | 1.8 |
| 45 | LEADER SOLAR SDN. BHD. | SEBAHAGIAN LOT PT 6744, MUKIM BANDAR GURUN, DAERAH KUALA MUDA, 08300 KEDAH | Oct-22 | Oct-42 | Solar | 2.19 |
| 46 | LIZIZ BIOGAS SDN. BHD. | NO. PT 354, MUKIM KUALA BETIS, DAERAH JAJAHAN KECIL LOJING, 18300 KELANTAN | Aug-22 | Aug-43 | Biogas | 2.76 |
| 47 | MALAKOFF RADIANCE SDN. BHD. | PT 1580 & LOT 3512, MUKIM PEKAN & MUKIM LANGGAR, KAWASAN PERINDUSTRIAN PERAMU, PEKAN 26607 PAHANG | Jan-22 | Jan-42 | Solar | 2.4 |
| 48 | MALAKOFF RADIANCE SDN. BHD. | LOT 20009 SEKSYEN 90A, BANDAR KUALA LUMPUR, DAERAH KUALA LUMPUR, 55100 WILAYAH PERSEKUTUAN KUALA LUMPUR | Jan-22 | Jan-42 | Solar | 2.114 |
| 49 | MALAKOFF RADIANCE SDN. BHD. | SEBAHAGIAN NO. PT 11690, MUKIM KAPAR, DAERAH KLANG, 42000 SELANGOR | Dec-22 | Dec-42 | Solar | 2.40001 |
| 50 | MATTAN ASSETS (SOLAR) SDN. BHD. | SEBAHAGIAN NO. LOT PT 2540, MUKIM PEDAS, DAERAH REMBAU, 73300 REMBAU, NEGERI SEMBILAN | Apr-22 | Apr-38 | Solar | 1.012 |
| 51 | MAYANG HIJAU SDN. BHD. | NO. PT 50967, MUKIM SUNGAI BULOH, DAERAH PETALING, 47000 SELANGOR | Jan-22 | Jan-42 | Solar | 1.587 |
| 52 | MFP SOLAR SDN. BHD. | LOJI KUMBAHAN UTAMA, LRAYA PERSEKUTUAN, SEK 7, 40000 SHAH ALAM, SELANGOR | Dec-22 | Dec-37 | Solar | 0.141 |
| 53 | MFP SOLAR SDN. BHD. | LOT 4916 MUKIM CHENG MELAKA TENGAH 75260 MELAKA | Dec-22 | Dec-32 | Solar | 0.6507 |
| 54 | MFP SOLAR SDN. BHD. | PT 6051 MUKIM 13 SEBERANG PERAI SELATAN 14100 PULAU PINANG | Dec-22 | Dec-32 | Solar | 1.4704 |
| 55 | NEFIN ENERGY (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT PTD 8797, MUKIM SENAI, DAERAH KULAIJAYA, 81250 JOHOR | Jun-22 | Jun-42 | Solar | 2.961 |
| 56 | PERBADANAN MEMAJUKAN IKTISAD NEGERI TERENGGANU | SEBAHAGIAN NO LOT 6132, PULAU KAPAS, MUKIM RUSILA, 21600 DAERAH MARANG, TERENGGANU | Mar-22 | Mar-32 | Solar | 0.22733 |
| 57 | PETRONAS POWER SDN. BHD. | SEBAHAGIAN NO. LOT 11369, MUKIM Pengerang, DAERAH KOTA TINGGI, 81600 JOHOR | Sep-22 | Sep-42 | Solar | 40.59 |
| 58 | PETRONAS POWER SDN. BHD. | SEBAHAGIAN NO. LOT 11369, MUKIM Pengerang, DAERAH KOTA TINGGI, 81600 NEGERI JOHOR | Mar-22 | Mar-42 | Solar | 2.876 |
| 59 | PETRONAS POWER SDN. BHD. | SEBAHAGIAN NO. LOT 11369, MUKIM Pengerang, DAERAH KOTA TINGGI, 81600 NEGERI JOHOR | Mar-22 | Mar-42 | Solar | 1.188 |
| 60 | PLUS XNERGY ASSETS SDN. BHD. | LOT 17006 DAN LOT 70109, MUKIM 12, DAERAH BARAT DAYA, 11900 PULAU PINANG | Mar-22 | Apr-42 | Solar | 5.81515 |

Apendiks 14: Lesen TBB yang dikeluarkan pada 2022
Appendix 14: RE Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Bahan Api Fuel | Kapasiti Dilesen (MW) Licensed Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|----------------|--|
| 61 | RENEWABLES TECHNOLOGY SOLUTIONS SDN. BHD. | LOT 79075 MUKIM TANJONG DUABELAS KUALA LANGAT 47810 SELANGOR | Dec-22 | Dec-32 | Solar | 0.2241 |
| 62 | SAND TOWN SOLAR SDN. BHD. | 31473,10171, 9962, 12436 BIDOR BATANG PADANG 35500 PERAK | Aug-22 | Aug-43 | Solar | 33.15 |
| 63 | SD PLANTATION TNB RENEWABLES SDN. BHD. | SEBAHAGIAN LOT 2819, MUKIM CHINCHIN, DAERAH JASIN, 77000 MELAKA | Sep-22 | Sep-43 | Biogas | 1.56 |
| 64 | SELAMA HIDRO SDN. BHD. | SEBAHAGIAN HUTAN SIMPAN SG SELAMA, KAMPUNG SG SEPUTEH, MUKIM SELAMA, DAERAH LARUT MATANG DAN SELAMA, 34100 NEGERI PERAK | Jan-22 | Jan-43 | Hidro | 9 |
| 65 | SHIZEN MALAYSIA SDN. BHD. | SEBAHAGIAN LOT 110023, 110024, 4989, 4990, 5 MILE SUNGAI BINJAI ROAD, MUKIM KAPAR, 41050 KLANG, SELANGOR | Dec-22 | Dec-42 | Solar | 1.15976 |
| 66 | SHIZEN MALAYSIA SDN. BHD. | SEBAHAGIAN NO. LOT 102994, TEMPAT 5TH MILE SUNGEI BINJAI ROAD, MUKIM KAPAR, DAERAH KLANG, SELANGOR | Dec-22 | Dec-42 | Solar | 0.29866 |
| 67 | SHIZEN MALAYSIA SDN. BHD. | SEBAHAGIAN NO. LOT 69011, TEMPAT 5 ½ MILE SUNGAI BINJAI ROAD, MUKIM KAPAR, DAERAH KLANG, SELANGOR | Dec-22 | Dec-42 | Solar | 0.19729 |
| 68 | SHIZEN MALAYSIA SDN. BHD. | SEBAHAGIAN NO. LOT 4962, MUKIM KAPAR, DAERAH KLANG, 42200 SELANGOR | Dec-22 | Dec-42 | Solar | 0.74556 |
| 69 | SOLAR PATH SDN. BHD. | SEBAHAGIAN NO. LOT 28099, MUKIM SETAPAK, DAERAH SETAPAK, 53200 WILAYAH PERSEKUTUAN KUALA LUMPUR | Feb-22 | Feb-38 | Biogas | 0.064 |
| 70 | SOLARCITY MALAYSIA SDN. BHD. | DI SEBAHAGIAN NO. LOT PT 129328, MUKIM KLANG, DAERAH KLANG, 42920 SELANGOR | Mar-22 | Mar-42 | Solar | 1.102 |
| 71 | SUNWAY PFM SDN. BHD. | SEBAHAGIAN LOT 331232, MUKIM HULU KINTA, 31150 DAERAH KINTA, PERAK | Sep-22 | Sep-42 | Solar | 0.56018 |
| 72 | SUNWAY PFM SDN. BHD. | NO LOT 54661, MUKIM PEKAN BARU SUNGAI BULOH, DAERAH PETALING, 47810 SELANGOR | Dec-22 | Dec-42 | Solar | 0.50246 |
| 73 | SUNWAY PFM SDN. BHD. | SEBAHAGIAN NO. LOT 35 DAN LOT 51173, MUKIM BANDAR SUNWAY, DAERAH PETALING, 47500 SELANGOR | Dec-22 | Dec-42 | Solar | 0.27451 |
| 74 | SUNWAY PFM SDN. BHD. | SEBAHAGIAN NO. LOT 5493, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, 13700 PULAU PINANG | Dec-22 | Dec-42 | Solar | 0.56357 |
| 75 | SUNWAY PFM SDN. BHD. | SEBAHAGIAN NO. LOT 61760, MUKIM BANDAR SUNWAY, DAERAH PETALING, 47500 SELANGOR | Dec-22 | Dec-42 | Solar | 0.13871 |
| 76 | TELEKOSANG HYDRO ONE SDN. BHD. | SUNGAI TELEKOSANG (TOLOKOSONG), SIPITANG AND KUALA TOMANI FOREST RESERVE (CLASS II), 89908 SABAH | Aug-22 | Aug-43 | Hidro | 24 |
| 77 | TELEKOSANG HYDRO ONE SDN. BHD. | SUNGAI TELEKOSANG (TOLOKOSONG), SIPITANG AND KUALA TOMANI FOREST RESERVE (CLASS II), 89908 SABAH | Aug-22 | Aug-43 | Hidro | 16 |
| 78 | TOTALENERGIES RENEWABLES MALAYSIA SDN. BHD. | LOT 14170, 14171, 14172 MUKIM RAWANG, DAERAH GOMBAK, NEGERI SELANGOR | Dec-22 | Dec-42 | Solar | 0.39204 |
| 79 | UNICITY MANAGEMENT SDN. BHD. | SEBAHAGIAN LOT 1299 UTAN AJI KANGAR 01000 PERLIS | Dec-22 | Dec-36 | Solar | 0.18 |

Apendiks 15: Lesen Cogen Awam yang Dikeluarkan pada 2022
Appendix 15: Public Cogen Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---------------------------------------|---|-----------------------------------|-----------------------------------|--|
| 1 | EASTERN STEEL SDN. BHD. | NO. LOT 6294, MUKIM TELUK KALUNG, 24000 DAERAH KEMAMAN, NEGERI TERENGGANU | Jul-22 | Jul-32 | 160 |
| 2 | PETRONAS CHEMICALS METHANOL SDN. BHD. | LOT 205291590, MUKIM LABUAN, DAERAH LABUAN, 87010 WILAYAH PERSEKUTUAN | Sep-22 | Sep-31 | 45.6 |

Apendiks 16: Lesen Cogen Persendirian yang Dikeluarkan pada 2022
Appendix 16: Private Cogen Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 1 | JINGXING HOLDINGS (M) SDN. BHD. | PT47766 TANJONG DUABELAS KUALA SELANGOR 42700 SELANGOR | Mar-22 | Mar-32 | 40 |
| 2 | KL-KEPONG RUBBER PRODUCTS SDN. BHD. | 134905 MUKIM HULU KINTA KINTA 30000 PERAK | Oct-22 | Oct-32 | 6.5 |
| 3 | ND PAPER MALAYSIA (SELANGOR) SDN. BHD. | SEBAHAGIAN LOT 82542, MUKIM TANJONG DUA BELAS, DAERAH KUALA LANGAT, 42700 NEGERI SELANGOR | Nov-22 | Nov-32 | 320 |
| 4 | OPTIMISTIC ORGANIC SDN. BHD. | SEBAHAGIAN LOT 3351, MUKIM TELUK KALONG, 24007 DAERAH KEMAMAN, NEGERI TERENGGANU | Jun-22 | Jun-32 | 7 |
| 5 | SRI SENGGORA KILANG KELAPA SAWIT | PT 6108, MUKIM LUIT, DAERAH MARAN, 26500 PAHANG | Dec-22 | Dec-24 | 9.895 |
| 6 | WRP ASIA PACIFIC SDN. BHD. | SEBAHAGIAN LOT PT 5758 DAN PT 5759, MUKIM BANDAR BARU SALAK TINGGI, 43900 DAERAH SEPANG, NEGERI SELANGOR | Nov-22 | Nov-32 | 8 |
| 7 | XINYI ENERGY SMART (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 6625, MUKIM JASIN, 77000 DAERAH JASIN, MELAKA | Jul-22 | Jul-32 | 9 |
| 8 | XINYI SOLAR (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 6625, MUKIM JASIN, 77000 DAERAH JASIN, MELAKA | Jul-22 | Jul-32 | 5 |
| 9 | XINYI SOLAR (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 6625, MUKIM JASIN, 77000 DAERAH JASIN, MELAKA | Jul-22 | Jul-32 | 5 |

Apendiks 17: Lesen Solar Berskala Besar (LSS) yang Dikeluarkan pada 2022
Appendix 17: Large-Scale Solar (LSS) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 1 | COARA MARANG SDN. BHD. | SEBAHAGIAN LOT PT 14366, PT 12430, MUKIM MERCANG, DAERAH MARANG, 21610 TERENGGANU | Apr-22 | Apr-43 | 116 |
| 2 | CORAL POWER SDN. BHD. | NO. PT 18535, PERSIARAN SEGARI, MUKIM PENGKALAN BAHARU, DAERAH MANJUNG, PERAK | Mar-22 | Mar-43 | 15 |
| 3 | GREENVIRO SOLUTIONS SDN. BHD. | SEBAHAGIAN LOT 1478, MUKIM 08, DAERAH SEBERANG PERAI SELATAN, 14300 PULAU PINANG | Dec-22 | Dec-43 | 14 |
| 4 | IDIWAN SOLAR SDN. BHD. | NO. PT 2245, MUKIM KUALA KERAK, DAERAH JAJAHAN MACHANG, 18500 KELANTAN | Jul-22 | Jul-43 | 45.045 |
| 5 | KERIAN SOLAR SDN. BHD. | SEBAHAGIAN NO. LOT 9089, MUKIM BERIAH, DAERAH KERIAN, 34400 NEGERI PERAK | Mar-22 | Mar-43 | 136.44 |
| 6 | LSS3 PEKAN SDN. BHD. | NO. PT 4083 & 4084, MUKIM KUALA PAHANG, DAERAH PEKAN, 26660 NEGERI PAHANG | Apr-22 | Apr-43 | 155 |
| 7 | SOLARPACK SURIA SUNGAI PETANI SDN. BHD. | SEBAHAGIAN NO. LOT 3304, 90054, 90055, 90067, 90068, 90069, 90070 DAN SEBAHAGIAN LOT 3366, MUKIM SUNGAI PETANI, DAERAH KUALA MUDA, 08000 NEGERI KEDAH | Jan-22 | Jan-43 | 116.082 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|-----------------------------------|---|-----------------------------------|-----------------------------------|--|
| 1 | 99 SPEED MART SDN. BHD. | SEBAHAGIAN LOT 1616, KAWASAN PERINDUSTRIAN CHEMBONG, JALAN SEREMBAN, MUKIM PEKAN CHEMBONG, 71300 DAERAH REMBAU, NEGERI SEMBILAN | Jul-22 | Jul-32 | 0.1802 |
| 2 | 99 SPEED MART SDN. BHD. | SEBAHAGIAN LOT 4326, KAWASAN PERINDUSTRIAN SG CHOHO, JLN KG SRI TERARTAI, SUNGAI CHOHO, MUKIM SERENDAH, 48000 DAERAH ULU SELANGOR, SELANGOR | Jul-22 | Jul-32 | 0.2403 |
| 3 | 99 SPEED MART SDN. BHD. | SEBAHAGIAN NO. LOT PT 1417, MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14100 NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.1869 |
| 4 | 99 SPEED MART SDN. BHD. | SEBAHAGIAN NO. LOT 46222, MUKIM BATU, DAERAH GOMBAK, 68100 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.1869 |
| 5 | ABEX MEDICAL SYSTEM SDN. BHD. | SEBAHAGIAN NO. LOT 38236, MUKIM PEKAN BARU HICOM, DAERAH PETALING, 40400 NEGERI SELANGOR | Apr-22 | Apr-32 | 0.3123 |
| 6 | ACRO RUBBER INDUSTRY SDN. BHD. | SEBAHAGIAN PT 319, MUKIM 13, 14000 SEBERANG PERAI TENGAH, PULAU PINANG | Jun-22 | Jun-32 | 0.4 |
| 7 | ACTER CARTON ENTERPRISE SDN. BHD. | SEBAHAGIAN NO. PT 31772, MUKIM KAPAR, DAERAH KLANG, NEGERI SELANGOR | Feb-22 | Feb-42 | 0.18023 |
| 8 | ACTGEN INDUSTRY SDN. BHD. | PTD 76050, MUKIM TEBRAU, 81100 DAERAH JOHOR BAHRU, NEGERI JOHOR | Nov-22 | Nov-32 | 0.3996 |
| 9 | ADVANCE INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 10492, BATU 28 IJOK, MUKIM IJUK, 45600 DAERAH KUALA SELANGOR, SELANGOR | Aug-22 | Aug-32 | 0.1782 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 11 | AF MANUFACTURING SERVICES SDN. BHD. | SEBAHAGIAN PT 82353, MUKIM PETALING, 47120 DAERAH PETALING, SELANGOR | Mar-22 | Mar-32 | 0.283 |
| 12 | AFI BRAKE MANUFACTURING SDN. BHD. | SEBAHAGIAN NO LOT 22660, MUKIM KUALA NERUS, 21300 DAERAH KUALA NERUS, TERENGGANU | Mar-22 | Mar-42 | 0.3822 |
| 13 | AFP COMPOSITE SDN. BHD. | SEBAHAGIAN LOT 1309, MUKIM 14, 14000 SEBERANG PERAI TENGAH, PULAU PINANG | Jun-22 | Jun-32 | 0.3374 |
| 14 | AICA ADTEK SDN. BHD. | SEBAHAGIAN PT 55220, MUKIM KAPAR, 42200 DAERAH KLANG, SELANGOR | Jun-22 | Jun-32 | 0.598 |
| 15 | AJIYA SAFETY GLASS SDN. BHD. | LOT 12, BATU 27, MUKIM PEKAN PUCHONG PERDANA, DAERAH PETALING, NEGERI SELANGOR | Mar-22 | Mar-42 | 0.637 |
| 16 | AKSESORI SETIA SDN. BHD. | SEBAHAGIAN LOT 128274, MUKIM HULU KINTA, 30100 DAERAH KINTA, PERAK | Sep-22 | Sep-32 | 0.3812 |
| 17 | ALAM-CON SDN. BHD. | SEBAHAGIAN PT 23075, MUKIM SUNGAI RAYA, 31300 DAERAH KINTA, PERAK | Apr-22 | Apr-32 | 0.5735 |
| 18 | ALLIANCE PRECAST INDUSTRIES SDN. BHD. | SEBAHAGIAN NO. LOT PT 17504 SEKSYEN 20, MUKIM BANDAR SERENDAH, DAERAH ULU SELANGOR, 48000 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.56 |
| 19 | AME DEVELOPMENT SDN. BHD. | NO.2 SENAI KULAI 81400 JOHOR | Jul-22 | Jun-32 | 0.2714 |
| 20 | ANN YAK SIONG HARDWARE SDN. BHD. | LOT 6488 KAPAR KLANG 42100 SELANGOR | Dec-22 | Dec-32 | 0.1254 |
| 21 | API (TERENGGANU) SDN. BHD. | LOT 439, BT 31 1/2 JLN AIR HITAM BUKIT BATU KULAI 81000 JOHOR | Oct-22 | Oct-32 | 0.4413 |
| 22 | API (TERENGGANU) SDN. BHD. | SEBAHAGIAN LOT 1383, MUKIM ULU YAM, 44300 DAERAH ULU SELANGOR, SELANGOR | Mar-22 | Mar-32 | 0.53064 |
| 23 | API (TERENGGANU) SDN. BHD. | SEBAHAGIAN NO LOT 60240, MUKIM TEMBILA, 22200 DAERAH BESUT, TERENGGANU | Oct-22 | Oct-32 | 0.2078 |
| 24 | APPROFIT ZINC OXIDE MANUFACTURING SDN. BHD. | LOT 32682, BATU 27, MUKIM PEKAN SENAWANG, DAERAH SEREMBAN, 70450 NEGERI SEMBILAN | Apr-22 | Apr-32 | 0.1 |
| 25 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN LOT 1965, MUKIM JALAN BAKRI, DAERAH MUAR, JOHOR | Oct-22 | Oct-32 | 0.2821 |
| 26 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PTD 8757, MUKIM RIMBA TERJUN, 82000 DAERAH PONTIAN, JOHOR | Oct-22 | Oct-32 | 0.4067 |
| 27 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN LOT 759, MUKIM SEROM, 84400 DAERAH TANGKAK, JOHOR | Dec-22 | Dec-32 | 0.2821 |
| 28 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN LOT 5831, MUKIM KESANG, 84000 DAERAH TANGKAK, JOHOR | Oct-22 | Oct-32 | 0.164 |
| 29 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PTD 6027, MUKIM BAKRI, 84200 DAERAH MUAR, JOHOR | Oct-22 | Oct-32 | 0.1685 |
| 30 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN LOT 3030, BANDAR MAHARANI, 84000 DAERAH MUAR, JOHOR | Dec-22 | Dec-32 | 0.2268 |
| 31 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PTD 1553, MUKIM SUNGAI RAYA, 84300 DAERAH MUAR, JOHOR | Dec-22 | Dec-32 | 0.2441 |
| 32 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN LOT 86036, MUKIM RAWANG, 48050 DAERAH GOMBAK, SELANGOR | Dec-22 | Dec-32 | 0.164 |
| 33 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PTD 2626, MUKIM SUNGAI RAYA, 84300 DAERAH MUAR, JOHOR | Dec-22 | Dec-32 | 0.2441 |
| 34 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PT 152, BANDAR SULTAN SULAIMAN, 42000 DAERAH KLANG, SELANGOR | Dec-22 | Dec-32 | 0.1674 |
| 35 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PT 1, BANDAR BATU 26, BERANANG, 43700 DAERAH ULU LANGAT, SELANGOR | Dec-22 | Dec-32 | 0.3456 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 36 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PTD 4092, MUKIM SRI MENANTI, 84000 DAERAH MUAR, JOHOR | Dec-22 | Dec-32 | 0.3805 |
| 37 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN LOT 6596, MUKIM SRI MENANTI, 84000 DAERAH MUAR, JOHOR | Dec-22 | Dec-32 | 0.4067 |
| 38 | ARMANI ENERGY SDN. BHD. | DI SEBAHAGIAN PT 55948, PEKAN CHERAS, 43300 DAERAH ULU LANGAT, SELANGOR | Sep-22 | Sep-32 | 0.3712 |
| 39 | ARMANI ENERGY SDN. BHD. | SEBAHAGIAN PT 55948, PEKAN CHERAS, 43300 DAERAH ULU LANGAT, SELANGOR | Sep-22 | Sep-32 | 0.3712 |
| 40 | AROPAK SDN. BHD. | LOT 165, JLN ANGKASA MAS UTAMA, KAWASAN PERINDUSTRIAN TEBRAU 2 TEBRAU JOHOR BAHRU 81100 JOHOR | Aug-22 | Aug-32 | 0.5738 |
| 41 | ASIA AQUACULTURE (M) SDN. BHD. | PT 15209 MUKIM LUMUT MANJUNG 32200 PERAK | Dec-22 | Dec-32 | 0.202 |
| 42 | ASIA PACIFIC SCHOOLS SDN. BHD. | NO PT 40445, MUKIM PEKAN SUNGAI BULOH, DAERAH PETALING, 47200 SELANGOR | Apr-22 | Apr-32 | 0.2489 |
| 43 | ASIA ROOFING INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 15979, MUKIM SUNGAI SEGAMAT, 85000 SEGAMAT, JOHOR | May-22 | May-42 | 0.1496 |
| 44 | ASIA ROOFING INDUSTRIES SDN. BHD. | LOT 15979 MUKIM SUNGAI SEGAMAT SEGAMAT 85000 JOHOR | Jun-22 | Jun-42 | 0.0992 |
| 45 | ASIA TEMPERED GLASS SDN. BHD. | PT 2471, MUKIM ULU SEMENYIH, DAERAH ULU LANGAT, 43500 NEGERI SELANGOR | Jan-22 | Jan-32 | 0.4104 |
| 46 | ASPECT SYNERGY SDN. BHD. | PT 20831 MUKIM RANTAU SEREMBAN 70300 NEGERI SEMBILAN | Oct-22 | Oct-32 | 0.1037 |
| 47 | ATT TANJUNG BIN SDN. BHD. | SEBAHAGIAN NO. LOT 8252, MUKIM SERKAT, DAERAH PONTIAN, 82300 NEGERI JOHOR | Aug-22 | Aug-32 | 0.99405 |
| 48 | BAKELS (MALAYSIA) SDN. BHD. | LOT 14782 PEKAN HICOM PETALING 40400 SELANGOR | Dec-22 | Dec-32 | 0.1542 |
| 49 | BAN CHIN HONG RICE & COCONUT OIL MILLERS CO SDN. BHD. | LOT 1046 MUKIM 06 SEBERANG PERAI TENGAH 14000 PULAU PINANG | May-22 | May-42 | 0.3815 |
| 50 | BAN CHU BEE SDN. BHD. | PT1349, JLN PASIR MAS SALOR PENDEK KOTA BHARU 15100 KELANTAN | Aug-22 | Aug-32 | 0.1571 |
| 51 | BANDAR PENGGARAM ASSOCIATED CHINESE SCHOOLS | C/O MISS ENG, D/A CHINESE HIGH SCHOOL JALAN TANJUNG LABOH BATU PAHAT 83000 JOHOR | Oct-22 | Oct-32 | 0.1377 |
| 52 | BANDAR RIMBAYU SDN. BHD. | SEBAHAGIAN PT 36309, MUKIM TANJONG DUABELAS, 42610 DAERAH KUALA LANGAT, NEGERI SELANGOR | Mar-22 | Mar-32 | 0.3375 |
| 53 | BAOJIA NEW ENERGY MANUFACTURING SDN. BHD. | SEBAHAGIAN PT 204070, MUKIM TEBRAU, 81400 DAERAH JOHOR BAHRU, NEGERI JOHOR | Aug-22 | Aug-32 | 1.296 |
| 54 | BCL PACKAGING SDN. BHD. | SEBAHAGIAN NO. PT 5367, MUKIM 1, DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Feb-22 | Feb-32 | 0.166 |
| 55 | BECIS (MALAYSIA) SDN. BHD.. | SEBAHAGIAN LOT 1192, MUKIM 14, DAERAH SEBERANG PERAI TENGAH, 14000 NEGERI PULAU PINANG | Jun-22 | Jun-32 | 0.466 |
| 56 | BECIS (MALAYSIA) SDN. BHD. | LOT 12365 MUKIM 12 BARAT DAYA 11900 PULAU PINANG | Aug-22 | Aug-32 | 1.2722 |
| 57 | BECIS (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 1695, MUKIM 14, SEBERANG PERAI TENGAH, PULAU PINANG | Jun-22 | Jun-32 | 0.2601 |
| 58 | BEHN MEYER CHEMICALS (M) SDN. BHD. | SEBAHAGIAN LOT 1695, MUKIM 14, SEBERANG PERAI TENGAH, PULAU PINANG | Dec-22 | Dec-32 | 0.4573 |
| 59 | BENGTAK POULTRY SDN. BHD. | SEBAHAGIAN LOT 1695, MUKIM 14, SEBERANG PERAI TENGAH, PULAU PINANG | Jul-22 | Jul-32 | 0.1712 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 60 | BENKERT (MALAYSIA) SDN. BHD. | SEBAHAGIAN NO. LOT PT 81642, MUKIM PETALING, DAERAH PETALING, 47100 SELANGOR | Oct-22 | Oct-32 | 0.4536 |
| 61 | BERMAZ MOTOR TRADING SDN. BHD. | PT 22, BANDAR GLENMARIE, 40150 DAERAH PETALING, NEGERI SELANGOR | Aug-22 | Aug-32 | 0.1711 |
| 62 | BERSATU WIRE MESH INDUSTRIES SDN. BHD. | 017 - 7223993 SRI GADING BATU PAHAT 83300 JOHOR | May-22 | May-32 | 0.3038 |
| 63 | BILLION PLASTIC INDUSTRIES | H.S.(D)27997, P.T 13310, H.S.(D)71648 P.T 39670 DAN H.S.(D)83937 P.T 42930, MUKIM KAPAR, DAERAH KLANG, SELANGOR. | Dec-22 | Dec-32 | 0.3003 |
| 64 | BINASAT SDN. BHD. | PT 13824 PETALING KUALA LUMPUR 57000 WILAYAH PERSEKUTUAN | Jun-22 | Jun-32 | 0.199 |
| 65 | BINASAT SDN. BHD. | PT 13824 PETALING KUALA LUMPUR 57000 WILAYAH PERSEKUTUAN | Jun-22 | Jun-32 | 0.11 |
| 66 | BIOFACT LIFE SDN. BHD. | LOT PTD 5094-A, KAW PERINDUSTRIAN PARIT JAMIL PARIT JAMIL MUAR 84150 JOHOR | Dec-22 | Dec-32 | 0.216 |
| 67 | BIOFACT LIFE SDN. BHD. | LOT 5094, KAW PERINDUSTRIAN PT JAMIL, PT JAMIL MUAR 84150 JOHOR | Dec-22 | Dec-32 | 0.216 |
| 68 | BITUTECH SDN. BHD. | LOT 2215, MUKIM BATU, DAERAH GOMBAK, 47000 NEGERI SELANGOR. | Jan-22 | Jan-42 | 0.17028 |
| 69 | BLE MALAYSIA 101 SDN. BHD. | NO. LOT 12421, MUKIM 12, DAERAH BARAT DAYA, 11900 PULAU PINANG | Jan-22 | Jan-42 | 1.3025 |
| 70 | BNH MANUFACTURER SDN. BHD. | SEBAHAGIAN LOT 207432, MUKIM HULU KINTA, 31200 DAERAH KINTA, PERAK | Jan-22 | Jan-42 | 0.27913 |
| 71 | BOILERMASTER SDN. BHD. | PTD 222427, MUKIM PLENTONG, DAERAH 81700 DAERAH JOHOR BHARU, NEGERI JOHOR | May-22 | May-32 | 0.1835 |
| 72 | BOMATEC (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 145832, MUKIM KLANG, 41200 DAERAH KLANG, NEGERI SELANGOR | Aug-22 | Aug-32 | 0.5249 |
| 73 | BON FOOD INDUSTRIES SDN. BHD. | PT 55259 & PT 55260 MUKIM KAPAR KLANG 42200 SELANGOR | Jul-22 | Jun-32 | 0.4154 |
| 74 | BOON KEE SUPPLY SDN. BHD. | SEBAHAGIAN LOT 16985, MUKIM BATU, 68100 DAERAH GOMBAK, SELANGOR | Mar-22 | Mar-32 | 0.1909 |
| 75 | BORMILL WOOD (TRENGGANU) SDN. BHD. | SEBAHAGIAN NO LOT 12, MUKIM BUKIT PAYUNG, 21040 DAERAH MARANG, TERENGGANU | Jan-22 | Jan-42 | 0.6734 |
| 76 | BORNEO SPRINGS SDN. BHD. | SEBAHAGIAN NO. LOT 7399, MUKIM SABAI, 81000 28600 DAERAH BENTONG, NEGERI PAHANG | Nov-22 | Nov-32 | 0.6322 |
| 77 | BUDI FEED SDN. BHD. | SEBAHAGIAN NO. LOT 11940, MUKIM KLANG, DAERAH KLANG, 42000 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.29561 |
| 78 | C-MART 3 SDN. BHD. | NO. PT 3968, MUKIM ARAU, DAERAH PERLIS, 02600 NEGERI PERLIS | Apr-22 | Apr-32 | 0.719 |
| 79 | C-MART 3 SDN. BHD. | SEBAHAGIAN PT 3531, TANJUNG PAUH, BANDAR DARUL AMAN, 06000 DAERAH KUBANG PASU, KEDAH | Mar-22 | Mar-42 | 0.75 |
| 80 | C-MART 3 SDN. BHD. | SEBAHAGIAN NO. LOT 23203, MUKIM 15, DAERAH SEBERANG PERAI SELATAN, 14120 NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.425 |
| 81 | C-MART 3 SDN. BHD. | SEBAHAGIAN LOT 5631, MUKIM GUDANG JALAN BESAR AIR LINTAS, 14300 DAERAH NIBONG TEBAL, NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.53084 |
| 82 | CAMTRONICS SDN. BHD. | PTD 57773 KLUANG 86000 JOHOR | Mar-22 | Mar-32 | 0.1804 |
| 83 | CAN CABLE SDN. BHD. | PT 153 MUKIM BERANANG HULU LANGAT 43700 SELANGOR | Aug-22 | Aug-32 | 0.3003 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 84 | CENERGI SOLAR SDN. BHD. | LOT 1722 PEKAN SENAWANG SEREMBAN 70450 NEGERI SEMBILAN | Jul-22 | Jul-32 | 0.5152 |
| 85 | CENERGI SOLAR SDN. BHD. | LOT 9686, MUKIM SUNGAI KARANG, DAERAH KUANTAN, 26100 PAHANG | Oct-22 | Oct-32 | 0.459 |
| 86 | CENERGI SOLAR SDN. BHD. | PTD 165998 MUKIM TEBRAU JOHOR BAHRU 81200 JOHOR | Jul-22 | Jul-32 | 0.358 |
| 87 | CENERGI SOLAR SDN. BHD. | SEBAHAGIAN LOT PT 2945, MUKIM 11, DAERAH SEBERANG PERAI TENGAH, 13600 PULAU PINANG | Mar-22 | Mar-32 | 0.6243 |
| 88 | CENERGI SOLAR SDN. BHD. | SEBAHAGIAN LOT 1241, MUKIM 12, DAERAH BARAT DAYA, 11900 PULAU PINANG | Jan-22 | Jan-42 | 0.551 |
| 89 | CENERGI SOLAR SDN. BHD. | SEBAHAGIAN LOT PT 439 & PT 440, MUKIM PADANG MEHA, DAERAH KULIM, 09400 KEDAH | Mar-22 | Mar-32 | 1.21 |
| 90 | CENERGI SOLAR SDN. BHD. | LOT 62106 PEKAN SUBANG JAYA PETALING 47500 SELANGOR | Sep-22 | Sep-32 | 0.299 |
| 91 | CENERGI SOLAR SDN. BHD. | PT 11455 SEKSYEN 13 MUKIM KAJANG HULU LANGAT 43650 SELANGOR | Sep-22 | Sep-32 | 0.4491 |
| 92 | CENERGI SOLAR SDN. BHD. | LOT 10806, MUKIM PEKAN SUNGAI GADUT, DAERAH SEREMBAN, 71450 NEGERI SEMBILAN | Dec-22 | Dec-32 | 1.146 |
| 93 | CENERGI SUNSEAP ENERGY SOLUTIONS SDN. BHD. | SEBAHAGIAN PT 6354, PT 6957, MUKIM ROMPIN, DAERAH ROMPIN, 26700 PAHANG | Jan-22 | Jan-42 | 0.493 |
| 94 | CFL INDUSTRIES SDN. BHD. | SEBAHAGIAN PLOT 144 (PT 300), MUKIM 13, 14000 DAERAH SEBERANG PERAI TENGAH, PULAU PINANG | Mar-22 | Mar-42 | 0.12638 |
| 95 | CHAI HENG PLASTIC MFG (MALAYSIA) SDN. BHD. | NO. PTD 216259, MUKIM PLENTONG, DAERAH JOHOR BAHRU, NEGERI JOHOR | Jan-22 | Jan-42 | 0.57376 |
| 96 | CHB ICE SDN. BHD. | NO 3, LRG PERINDUSTRIAN BKT MINYAK 6 KAWASAN PERINDUSTRIAN BUKIT MINYAK 14000 PULAU PINANG | Oct-22 | Oct-32 | 0.2603 |
| 97 | CHECKERS HYPERMARKET SDN. BHD. | PT 38284, PEKAN CHERAS, DAERAH ULU LANGAT, 43200 NEGERI SELANGOR | Jun-22 | Jun-42 | 0.3115 |
| 98 | CHECKERS HYPERMARKET SDN. BHD. | PT 38284, PEKAN CHERAS, DAERAH ULU LANGAT, 43200 NEGERI SELANGOR | Jun-22 | Jun-42 | 0.1513 |
| 99 | CHECKERS HYPERMARKET SDN. BHD. | HSD 167256, MUKIM DAMANSARA, 40200 DAERAH PETALING, NEGERI SELANGOR | Jun-42 | Jun-42 | 0.623 |
| 100 | CHEE WAH CORPORATION BERHAD | SEBAHAGIAN PLOT 174, SEKSYEN 3, MUKIM BANDAR BUTTERWORTH, 13400 DAERAH SEBERANG PERAI UTARA, PULAU PINANG | Jan-22 | Jan-32 | 0.5526 |
| 101 | CHEE WAH CORPORATION BERHAD | SEBAHAGIAN LOT 1181, MUKIM BANDAR BUTTERWORTH, 13400 DAERAH SEBERANG PERAI UTARA, PULAU PINANG | Apr-22 | Apr-32 | 0.1654 |
| 102 | CHEE WAH CORPORATION BERHAD | SEBAHAGIAN PLOT 175, MUKIM BANDAR BUTTERWORTH, 13400 DAERAH SEBERANG PERAI UTARA, PULAU PINANG | Apr-22 | Apr-32 | 0.1654 |
| 103 | CHEETAH CORPORATION (M) SDN. BHD. | NO. PT 6615, BATU 12, JALAN SG. BESI/CHERAS, MUKIM CERAS, DAERAH HULU LANGAT, 43300 NEGERI SELANGOR | Apr-22 | Apr-32 | 0.2697 |
| 104 | CHEMTUBE (M) SDN. BHD. | PT 46044 MUKIM KAPAR KLANG 41100 SELANGOR | Oct-22 | Oct-32 | 0.44145 |
| 105 | CHENTA ELECTRICAL PIPE INDUSTRIES SDN. BHD. | SEBAHAGIAN PT 30509, MUKIM SUNGAI PETANI, 08000 DAERAH KUALA MUDA, NEGERI KEDAH | Aug-22 | Aug-32 | 0.2448 |
| 106 | CHIN ENG PRECISION SDN. BHD. | SEBAHAGIAN NO. LOT PT 5942, MUKIM 13, DAERAH SEBERANG PERAI SELATAN, 14110 PULAU PINANG | Jun-22 | Jun-32 | 2.23512 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 107 | CHOP TONG GUAN SDN. BHD. | SEBAHAGIAN PT 237, MUKIM DAMANSARA, 47620 DAERAH PETALING, SELANGOR | Aug-22 | Aug-32 | 0.3492 |
| 108 | CIRCLE SPIN PRECISION ENGINEERING SDN. BHD. | 1A, JALAN PERDAGANGAN 10 TAMAN UNIVERSITI SKUDAI 81300 JOHOR | Jun-22 | Jun-32 | 0.1426 |
| 109 | CITATAH AMS MARBLE SDN. BHD. | NO PT 97, MUKIM SUNGAI BULUH, DAERAH PETALING, 40100 NEGERI SELANGOR | Apr-22 | Apr-32 | 0.135 |
| 110 | CLEANROOM INDUSTRIES SDN. BHD. | PT 5033, MUKIM 01, 13600 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Oct-22 | Oct-32 | 0.3003 |
| 111 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | PT 11441, MUKIM KAJANG, DAERAH ULU LANGAT, 43650 SELANGOR | Apr-22 | Apr-32 | 0.34 |
| 112 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | LOT 67894, MUKIM PULAU INDAH, DAERAH KLANG, 42920 SELANGOR | Oct-22 | Oct-32 | 1.2824 |
| 113 | CLEANTECH SOLAR (MALAYSIA) SDN. BHD. | PLOT 79 & 80, PLOT 90, PLOT 91 DAN PLOT 92, MUKIM BUKIT KATIL, DAERAH MELAKA TENGAH, 75450 NEGERI MELAKA | Dec-22 | Dec-32 | 0.5548 |
| 114 | COLUMBIA ASIA SDN. BHD. | SEBAHAGIAN PTD 154096, MUKIM PULAI, 79200 JOHOR BAHRU, JOHOR | Dec-22 | Dec-32 | 0.4126 |
| 115 | COLUMBIA ASIA SDN. BHD. | SEBAHAGIAN NO. LOT PTD 199685, MUKIM PULAI, DAERAH JOHOR BAHRU, 79250 JOHOR | Dec-22 | Dec-32 | 0.133525 |
| 116 | COMEBEST MALAYSIA SDN. BHD. | PT 1002 MUKIM HULU KINTA KINTA 31400 PERAK | Mar-22 | Mar-32 | 0.2862 |
| 117 | CORLITE PACKAGING INDUSTRIES SDN. BHD. | PT 31770 MUKIM KAPAR KLANG 42209 SELANGOR | Jun-22 | Jun-42 | 0.324 |
| 118 | CORLITE PACKAGING INDUSTRIES SDN. BHD. | SEBAHAGIAN PT 31770, MUKIM KAPAR, 42209 KLANG, SELANGOR | Jun-22 | Jun-42 | 0.56115 |
| 119 | CRYSTAL DIGNITY (M) SDN. BHD. | SEBAHAGIAN PT 4229, MUKIM KAPAR, 42000 DAERAH KLANG, NEGERI SELANGOR | Jul-22 | Jul-32 | 0.338 |
| 120 | CSA CHEMICALS SDN. BHD. | LOT 1863A KUALA KUANTAN KUANTAN 25720 PAHANG | Jun-22 | Jun-42 | 0.39636 |
| 121 | CSA TERMINALS SDN. BHD. | 1863A KUALA KUANTAN KUANTAN 26080 PAHANG | Jun-22 | Jun-32 | 0.405 |
| 122 | CUSTOM FOOD INGREDIENTS SDN. BHD. | PT 24, KAWASAN PERINDUSTRIAN KULIM, BANDAR KULIM, DAERAH KULIM, 09000 NEGERI KEDAH | Jul-22 | Jul-32 | 0.3562 |
| 123 | CY-HANDEE RUBBER MOULDINGS SDN. BHD. | SEBAHAGIAN LOT 7285, MUKIM PARIT BUNTAR, 34200 DAERAH KERIAN, NEGERI PERAK | Oct-22 | Oct-32 | 0.2402 |
| 124 | CYCLE & CARRIAGE BINTANG BERHAD | SEBAHAGIAN NO. LOT PJ 140/59, MUKIM PETALING JAYA, DAERAH PETALING JAYA, 46100 SELANGOR | Oct-22 | Oct-32 | 0.1496 |
| 125 | CYCLEWORLD CORPORATION SDN. BHD. | LOT 56792, MUKIM KAPAR, 42100 DAERAH KLANG, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.4181 |
| 126 | DAIKIN MALAYSIA SDN. BHD. | PT 1017, SEKSYEN 15, BANDAR SHAH ALAM, 40200 DAERAH PETALING, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.5276 |
| 127 | DAISHO FOOD (M) SDN. BHD. | SEBAHAGIAN PT 248, MUKIM DAMANSARA, DAERAH PETALING, NEGERI SELANGOR | Sep-22 | Sep-32 | 0.53 |
| 128 | DATARAN PUSAKA SDN. BHD. | PT 4887, MUKIM PASIR PANJANG, DAERAH SABAK BERNAM, 45400 NEGERI SELANGOR | Jan-22 | Jan-42 | 1.12 |
| 129 | DE LUXE CIRCLE (M) SDN. BHD. | LOT 37437 PULAI JOHOR BAHRU 81300 JOHOR | Aug-22 | Aug-32 | 0.2444 |
| 130 | DELUXE BRICKWORKS SDN. BHD. | LOT 10110 MUKIM TERAS RAUB 27620 PAHANG | Dec-22 | Dec-32 | 0.5102 |
| 131 | DEMAND OPTIONS SDN. BHD. | PTD 155000 MUKIM PLENTONG JOHOR BAHRU 81800 JOHOR | Sep-22 | Sep-42 | 0.4356 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---------------------------------------|--|-----------------------------------|-----------------------------------|--|
| 132 | DESWELL PACKAGING (M) SDN. BHD. | LOT 1261, BATU 14 JALAN KAPAR, MUKIM JERAM KUALA SELANGOR 42200 SELANGOR DESWELL PACKAGING (M) SDN. BHD. | May-22 | May-32 | 0.1998 |
| 133 | DIALOG PLANT SERVICES SDN. BHD. | SEBAHAGIAN PT 15550, MUKIM KERTEH, 24300 DAERAH KEMAMAN, NEGERI TERENGGANU | Aug-22 | Aug-32 | 0.1334 |
| 134 | DITROLIC ENERGY SOLUTION 2 SDN. BHD. | LOT 678 SEKSYEN 2 PEKAN BUKIT CHANGGANG KUALA LANGAT 42700 SELANGOR | Dec-22 | Dec-32 | 0.4696 |
| 135 | DITROLIC ENERGY SOLUTION SDN. BHD. | MUKIM 12, DAERAH BAYAN LEPAS, 11900 PULAU PINANG UNTUK DIJUAL KEPADA MAJLIS BANDARAYA PULAU PINANG | Jan-22 | Jan-42 | 0.1023 |
| 136 | DITROLIC ENERGY SOLUTION SDN. BHD. | LOT 162, SEKSYEN 10, BANDAR GEORGE TOWN, DAERAH TIMOR LAUT, 10150 PULAU PINANG | Jan-22 | Jan-42 | 0.1504 |
| 137 | DITROLIC ENERGY SOLUTION SDN. BHD. | LOT 162, SEKSYEN 10, BANDAR GEORGE TOWN, DAERAH TIMOR LAUT, 10150 PULAU PINANG | Jan-22 | Jan-42 | 0.1397 |
| 138 | DITROLIC ENERGY SOLUTION SDN. BHD. | LOT 10986, MUKIM 13, DAERAH TIMOR LAUT, 11900 PULAU PINANG | Jan-22 | Jan-42 | 0.1806 |
| 139 | DITROLIC ENERGY SOLUTION SDN. BHD. | LOT 8944, MUKIM 13, DAERAH TIMOR LAUT, 11700 PULAU PINANG | Jan-22 | Jan-42 | 11.454 |
| 140 | DIVERSE INTEGRATED SDN. BHD. | LOT 21967 PEKAN SUNGAI GADUT SEREMBAN 71450 NEGERI SEMBILAN | Aug-22 | Aug-32 | 0.6248 |
| 141 | DRAGON RING MARINE PRODUCTS SDN. BHD. | 14832 KLANG TELOK GONG 42000 SELANGOR | Jun-22 | Jun-42 | 0.17248 |
| 142 | DRAGON RING MARINE PRODUCTS SDN. BHD. | 14832 MUKIM KLANG TELOK GONG 42000 SELANGOR | Aug-22 | Aug-32 | 0.5002 |
| 143 | DTE INDUSTRIES SDN. BHD. | LOT 75 MUKIM SUNGAI TERAP MUAR 84300 JOHOR | Aug-22 | Aug-32 | 0.352 |
| 144 | DUFU INDUSTRIES SDN. BHD. | SEBAHAGIAN PLOT 19 (PT 1886), MUKIM 12, 11900 DAERAH BARAT DAYA, PULAU PINANG | May-22 | May-32 | 0.8132 |
| 145 | DURABON SDN. BHD. | LOT 37365, JLN KEBUN BT 5 1/2 SHAH ALAM SHAH ALAM 40460 SELANGOR | Oct-22 | Oct-32 | 0.84 |
| 146 | DYNAMIC LEADING INDUSTRY SDN. BHD. | SEBAHAGIAN LOT 2772, MUKIM 07, DAERAH SEBERANG PERAI SELATAN, 14300 NEGERI PULAU PINANG | May-22 | May-32 | 0.2138 |
| 147 | DYNAMIC MFG. (M) SDN. BHD. | SEBAHAGIAN LOT 1986, MUKIM SEMENYIH, 43500 DAERAH ULU LANGAT, SELANGOR | Dec-22 | Dec-32 | 1.1466 |
| 148 | DYNAVIEV SDN. BHD. | SEBAHAGIAN LOT 14482, 14483, 14484, 14485, 14486, 14487, 14488, 14489, 14490, 14491, 14497, 14498, 14499, 14500, 14501, 14502, 14503, 14504, 14505 & 14506, MUKIM 12, 11960 DAERAH BARAT DAYA, NEGERI PULAU PINANG | Oct-22 | Oct-32 | 0.2507 |
| 149 | DYNAVIEV SDN. BHD. | SEBAHAGIAN LOT 17109, MUKIM 12, 11960 DAERAH BARAT DAYA, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.3183 |
| 150 | EADECO SDN. BHD. | SEBAHAGIAN NO. LOT 0186171, PLOT 15, MUKIM ULU KINTA, DAERAH KINTA, NEGERI PERAK | Apr-22 | Apr-42 | 0.6912 |
| 151 | EB PACKAGING SDN. BHD. | PTB 1268 MUKIM ULU SUNGAI JOHOR KOTA TINGGI 81440 JOHOR | Oct-22 | Oct-32 | 0.5588 |
| 152 | EC EXCEL WIRE SDN. BHD. | LOT 77B, JALAN GEBENG 1/7 KAW PERINDUSTRIAN GEBENG KUANTAN 26080 PAHANG | Sep-22 | Sep-42 | 0.34716 |
| 153 | EC EXCEL WIRE SDN. BHD. | LOT 77A, JALAN GEBENG 1/7 KAW PERINDUSTRIAN GEBENG KUANTAN 26080 PAHANG | Sep-22 | Sep-42 | 0.16368 |
| 154 | ECONSAVE CASH & CARRY (AB) SDN. BHD. | NO. PT 285398, MUKIM HULU KINTA, DAERAH KINTA, 31350 NEGERI PERAK. | Jan-22 | Jan-42 | 0.59247 |
| 155 | ECONSAVE CASH & CARRY (AB) SDN. BHD. | SEBAHAGIAN NO. LOT PT 64442, JALAN REKO SENTRAL, REKO SENTRAL, 43000 KAJANG NEGERI SELANGOR | Jun-22 | Jun-42 | 0.51254 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 156 | ECONSAVE CASH & CARRY (BT) SDN. BHD. | SEBAHAGIAN NO. LOT 971 SEKSYEN 3, MUKIM BANDAR BANTING, DAERAH KUALA LANGAT, 42700 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.32025 |
| 157 | ECONSAVE CASH & CARRY (JM) SDN. BHD. | NO 9, JALAN DATO TAN TENG KUEY 2, SUNGAI BULOH, 45800 JERAM, NEGERI SELANGOR | Jun-22 | Jun-42 | 0.09996 |
| 158 | ECONSAVE CASH & CARRY (KLU) SDN. BHD. | NO PTB 11413, MUKIM BANDAR KLUANG, DAERAH KLUANG, 86000 NEGERI JOHOR | Jan-22 | Jan-42 | 0.43413 |
| 159 | ECOSCIENCE MANUFACTURING & ENGINEERING SDN. BHD. | SEBAHAGIAN PTD 238058, MUKIM PLENTONG, 81700 DAERAH JOHOR BAHRU, NEGERI JOHOR | Jul-22 | Jun-32 | 0.3526 |
| 160 | EDM HOLDINGS SDN. BHD. | SEBAHAGIAN PT 1421, MUKIM 13, 14100 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Oct-22 | Oct-32 | 0.2939 |
| 161 | EDM-TOOLS (M) SDN. BHD. | LOT 47414, PEKAN DESA PUCHONG, 47160 DAERAH PETALING, NEGERI SELANGOR | May-22 | May-32 | 0.1332 |
| 162 | EE-LIAN PLASTIC INDUSTRIES (M) SDN. BHD. | SEBAHAGIAN LOT 4567, MUKIM 13, 14000 SEBERANG PERAI TENGAH, PULAU PINANG | Jul-22 | Jun-32 | 0.5486 |
| 163 | EHH FOOD INDUSTRY SDN. BHD. | PT 135811, TELOK GONG, MUKIM KLANG, DAERAH KLANG, 42000 NEGERI SELANGOR | Jan-22 | Jan-32 | 0.7 |
| 164 | EITA SCHNEIDER (MFG) SDN. BHD. | SEBAHAGIAN PT 69154, MUKIM KAPAR, 41050 KLANG, SELANGOR | Aug-22 | Aug-32 | 0.354 |
| 165 | EKOWOOD INTERNATIONAL BERHAD | SEBAHAGIAN NO. LOT 213074, 213075, 227245, 227246, 227248 DAN 227249, MUKIM TEJA, DAERAH KINTA, 31600 NEGERI PERAK | Apr-22 | Apr-42 | 1.49864 |
| 166 | PEL COLD CHAIN LOGISTICS SDN. BHD. | SEBAHAGIAN PT 72828, MUKIM KAPAR, 42200 DAERAH KLANG, SELANGOR | Jul-22 | Jul-32 | 0.2482 |
| 167 | ELITE ALUMINIUM PANEL SDN. BHD. | SEBAHAGIAN PT 18836, MUKIM SUNGAI PETANI, 08000 DAERAH KUALA MUDA, NEGERI KEDAH | Jan-22 | Jan-42 | 0.23639 |
| 168 | ENDA FOOD INDUSTRIES SDN. BHD. | SEBAHAGIAN NO. PT 4088, MUKIM PANCHOR, 16100 DAERAH KOTA BHARU, NEGERI KELANTAN | Jan-22 | Jan-32 | 0.2212 |
| 169 | ENG HEAP SENG RICE & FLOUR MILL (M) SDN. BHD. | LOT 733, LOT1832, LOT1984 MUKIM 02 SEBERANG PERAI UTARA 13100 PULAU PINANG | Jan-22 | Jan-42 | 0.55358 |
| 170 | ENG HENG MARKETING SDN. BHD. | LOT27350, JOHOR BAHRU BATU PAHAT 83000 JOHOR | Dec-22 | Dec-32 | 0.266 |
| 171 | ENG KAH ENTERPRISE (KL) SDN. BHD. | SEBAHAGIAN PT 16777, MUKIM SETUL, 71800 DAERAH SEREMBAN, NEGERI SEMBILAN | Aug-22 | Aug-32 | 0.2823 |
| 172 | ENGE PLAS AUTOMATION SDN. BHD. | SEBAHAGIAN NO. LOT 26211, MUKIM AMPANGAN, DAERAH SEREMBAN, 71450 NEGERI SEMBILAN | May-22 | May-32 | 0.51192 |
| 173 | ENGIE SERVICES MALAYSIA SDN. BHD. | PLOT 16, BAKAR ARANG, MUKIM SUNGAI PASIR, DAERAH KUALA MUDA, NEGERI KEDAH. | Dec-22 | Dec-32 | 0.4428 |
| 174 | ETERNAL POWER SDN. BHD. | PT 5409, MUKIM TAWAR, DAERAH BALING, 09300 NEGERI KEDAH | Jan-22 | Jan-42 | 0.38 |
| 175 | EUROMA RUBBER INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 45 & 46, PEKAN LABU BESAR, MUKIM BAGAN SENA, 09100 DAERAH KULIM, KEDAH | Jan-22 | Jan-32 | 0.2365 |
| 176 | EV CONNECTION SDN. BHD. | LOT 61773, MUKIM BANDAR GLENMARIE, DAERAH PETALING | Jan-22 | Jan-32 | 0.21186 |
| 177 | EVERLAST ACCESS TECHNOLOGIES SDN. BHD. | LOT 2826, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, 13600 NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.783 |
| 178 | EVERLAST ALUMINIUM (M) SDN. BHD. | SEBAHAGIAN PT 56014, MUKIM CHERAS, 43300 DAERAH HULU LANGAT, NEGERI SELANGOR | Jan-22 | Jan-42 | 0.40803 |
| 179 | EVERLAST ALUMINIUM (M) SDN. BHD. | SEBAHAGIAN PT 56015, BATU 12, JALAN SERDANG / CHERAS, MUKIM CHERAS, 43300 DAERAH HULU LANGAT, NEGERI SELANGOR | Mar-22 | Mar-42 | 0.2088 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 180 | EVERPRESS ALUMINIUM INDUSTRIES SDN. BHD. | LOT 6615, MUKIM SETUL, DAERAH SEREMBAN, 71800 NEGERI SEMBILAN | Apr-22 | Apr-32 | 0.378 |
| 181 | EVERPRESS ALUMINIUM INDUSTRIES SDN. BHD. | LOT 6618, MUKIM SETUL, DAERAH SEREMBAN, 71800 NEGERI SEMBILAN | Apr-22 | Apr-32 | 0.54 |
| 182 | EVERPRESS ALUMINIUM INDUSTRIES SDN. BHD. | LOT 6616 MUKIM SETUL SEREMBAN 71800 NEGERI SEMBILAN | Jul-22 | Jun-32 | 0.3132 |
| 183 | EWT TRANSFORMER SDN. BHD. | LOT 8251 MUKIM SETUL SEREMBAN 71800 NEGERI SEMBILAN | Aug-22 | Aug-32 | 0.4665 |
| 184 | EXCELLENT BLOSSOM SDN. BHD. | LOT 36 BANDAR SHAH ALAM PETALING 40300 SELANGOR | Sep-22 | Sep-32 | 0.85995 |
| 185 | EXCELLENT BLOSSOM SDN. BHD. | LOT 78673 MUKIM DAMANSARA PETALING 40100 SELANGOR | Sep-22 | Sep-42 | 0.573 |
| 186 | EXCELLENT BLOSSOM SDN. BHD. | LOT 78673 MUKIM DAMANSARA PETALING 40100 | Sep-22 | Sep-32 | 0.5733 |
| 187 | NUR GENERATION SDN. BHD. | 6, KAWASAN KOPORATE 1B/KU9 KAWASAN PERINDUSTIRAN MERU KLANG 42200 SELANGOR | Dec-22 | Dec-32 | 0.1679 |
| 188 | EXCLUSIVE CONTENT SDN. BHD. | NO:2A, JALAN KORPORAT 1B/KU9 KAWASAN PERINDUSTRIAN MERU KLANG 42200 SELANGOR | Dec-22 | Dec-32 | 0.1679 |
| 189 | EXCLWELL VEGETARIAN FOOD INDUSTRY SDN. BHD. | SEBAHAGIAN PTD 19209, MUKIM ULU BENUT, 86200 DAERAH KLUANG, NEGERI JOHOR | Aug-22 | Aug-32 | 0.4232 |
| 190 | FAMOUS-ED SDN. BHD. | PT 347 MUKIM ULU YAM HULU SELANGOR 44300 SELANGOR | Jul-22 | Jun-32 | 0.2974 |
| 191 | FAR EAST CORRUGATED CARTON INDUSTRIAL SDN. BHD. | SEBAHAGIAN NO. LOT 1301, MUKIM KLANG, DAERAH KLANG, 40460 NEGERI SELANGOR | Apr-22 | Apr-32 | 0.4707 |
| 192 | FAR EAST PACKAGING IND. (MELAKA) SDN. BHD. | SEBAHAGIAN PT 1391, MUKIM KELEMAK, 78000 DAERAH ALOR GAJAH, NEGERI MELAKA | Apr-22 | Apr-32 | 0.4669 |
| 193 | FARM RESORT (GAMBANG) SDN. BHD. | PT 125074 MUKIM KUALA KUANTAN KUANTAN 26300 PAHANG | Jun-22 | Jun-42 | 0.2509 |
| 194 | FATRIC SDN. BHD. | SEBAHAGIAN PT 44788, MUKIM KUALA KUANTAN, 25200 KUANTAN, NEGERI PAHANG | Feb-22 | Feb-32 | 0.1962 |
| 195 | FEOSO OIL(MALAYSIA) SDN. BHD. | LOT 55710 KLANG KLANG 42000 SELANGOR | Jul-22 | Jul-32 | 0.168 |
| 196 | FIRST MULTI CARTON INDUSTRIES SDN. BHD. | LOT 2614 MUKIM KRUBONG MELAKA TENGAH 75260 MELAKA | Jun-22 | Jun-32 | 0.176 |
| 197 | FLORA DEVELOPMENT SDN. BHD. | SEBAHAGIAN LOT 116715, MUKIM PETALING, 47100 DAERAH PETALING, SELANGOR | Sep-22 | Sep-32 | 0.2144 |
| 198 | FM GLOBAL LOGISTICS (M) SDN. BHD. | SEBAHAGIAN NO. LOT PT 239, MUKIM BANDAR SULTAN SULAIMAN, DAERAH KLANG, 42000 NEGERI SELANGOR | Sep-22 | Sep-32 | 0.55055 |
| 199 | FONDCARE SDN. BHD. | SEBAHAGIAN LOT 10101, MUKIM 18, DAERAH TIMOR LAUT, 11200 PULAU PINANG | May-22 | May-32 | 0.258 |
| 200 | FOONG CHI MOULD INDUSTRIES SDN. BHD. | PLOT 311 PSRN CASSIA SELATAN 2, BATU KAWAN INDUSTRIAL PARK BATU KAWAN 14100 PULAU PINANG | Oct-22 | Oct-32 | 0.82 |
| 201 | FUDEX RUBBER PRODUCTS (M) SDN. BHD. | SEBAHAGIAN LOT 3526, MUKIM JASIN, 77000 DAERAH JASIN, NEGERI MELAKA | Oct-22 | Oct-32 | 0.1199 |
| 202 | FUJI SMBE MANUFACTURING SDN. BHD. | SEBAHAGIAN PTD 88531, MUKIM KULAI, 81400 DAERAH KULAIJAYA, JOHOR | Feb-22 | Feb-32 | 0.1512 |
| 203 | FUJI SMBE MANUFACTURING SDN. BHD. | SEBAHAGIAN PTD 88531, MUKIM KULAI, 81400 DAERAH KULAI, NEGERI JOHOR | Jun-22 | Jun-32 | 0.1512 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 204 | FUJI SMBE MANUFACTURING SDN. BHD. | SEBAHAGIAN PTD 88531, MUKIM KULAI, 81400 DAERAH KULAI, NEGERI JOHOR | Feb-22 | Feb-32 | 0.1296 |
| 205 | G L WAN ENTERPRISE SDN. BHD. | SEBAHAGIAN LOT 1412 BT 13, MUKIM JLN LABIS, BKT KEPONG, 84600 DAERAH MUAR, NEGERI JOHOR | Apr-22 | Apr-32 | 0.4196 |
| 206 | G-SHANK ENTERPRISE (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 71856, MUKIM 12, 11900 BARAT DAYA, PULAU PINANG | Aug-22 | Aug-32 | 0.18 |
| 207 | G-SHANK ENTERPRISE (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 12446, MUKIM 12, 11900 BARAT DAYA, PULAU PINANG | Aug-22 | Aug-32 | 0.3499 |
| 208 | GAMUDA BERHAD | SEBAHAGIAN NO. PT 56274, MUKIM KLANG, DAERAH KLANG, 40460 NEGERI SELANGOR | Nov-22 | Nov-32 | 0.2725 |
| 209 | GAMUDA INDUSTRIAL BUILDING SYSTEM SDN. BHD. | LOT 66100, MUKIM TANJUNG DUABELAS, 42700 DAERAH KUALA LANGAT, NEGERI SELANGOR | May-22 | May-32 | 0.3001 |
| 210 | GB PLAS SDN. BHD. | LOT 2757, MUKIM 07, DAERAH SEBERANG PERAI SELATAN, 14300 PULAU PINANG | Jan-22 | Jan-42 | 0.2904 |
| 211 | GD EXPRESS SDN. BHD. | SEBAHAGIAN LOT 80, SEKSYEN 20, MUKIM BANDAR PETALING JAYA, 46050 DAERAH PETALING, NEGERI SELANGOR. | Jul-22 | Jun-32 | 0.121 |
| 212 | GE-SHEN PLASTIC (M) SDN. BHD. | PTD 137632 MUKIM TEBRAU JOHOR BAHRU 81200 JOHOR | Sep-22 | Sep-42 | 0.1872 |
| 213 | GE-SHEN PLASTIC (M) SDN. BHD. | LOT 3926, MUKIM TEBRAU, 81200 DAERAH JOHOR BHARU, NEGERI JOHOR | Dec-22 | Dec-32 | 0.378 |
| 214 | GEMILANG COACHWORK SDN. BHD. | SEBAHAGIAN NO. LOT PTD 43225, PTD 43227 DAN PTD 43228, MUKIM SENAI, DAERAH KULAI, 81400 NEGERI JOHOR | Jul-22 | Jul-32 | 0.45475 |
| 215 | GF MANUFACTURING SDN. BHD. | SEBAHAGIAN LOT 101 & 102, SEKSYEN 11, MUKIM BANDAR LUNAS, 09600 DAERAH KULIM, NEGERI KEDAH | Aug-22 | Aug-42 | 0.5499 |
| 216 | GIMMILL INDUSTRIAL (M) SDN. BHD. | LOT 303 MUKIM SIMPANG KANAN BATU PAHAT 83000 JOHOR | Aug-22 | Aug-32 | 1.3446 |
| 217 | GIVAUDAN FLAVOURS & FRAGRANCES MALAYSIA SDN. BHD. | SEBAHAGIAN LOT 4250, MUKIM BUKIT KATIL, 75450 DAERAH MELAKA TENGAH, NEGERI MELAKA | Jan-22 | Jan-42 | 0.4 |
| 218 | GIVI ASIA SDN. BHD. | 9401 BANDAR SERENDAH ULU SELANGOR 48300 SELANGOR | Jun-22 | Jun-32 | 0.4749 |
| 219 | GO ENERGY SDN. BHD. | SEBAHAGIAN LOT 12840, MUKIM 06, DAERAH SEBERANG PERAI UTARA, 13600 PULAU PINANG | Apr-22 | Apr-32 | 0.6777 |
| 220 | GOLDEN CORRUGATED BOX (M) SDN. BHD. | SEBAHAGIAN PT 23, BANDAR BATU 26, BERANANG, 43700 DAERAH ULU LANGAT, SELANGOR | Oct-22 | Oct-32 | 0.2562 |
| 221 | GOODMAID CHEMICALS CORPORATION SDN. BHD. | SEBAHAGIAN NO. PT 1711, PEKAN SENAWANG, DAERAH SEREMBAN, NEGERI SEMBILAN | Mar-22 | Mar-42 | 0.52305 |
| 222 | GRAND ART PRINTING & PACKAGING SDN. BHD. | SEBAHAGIAN NO. LOT 9112, MUKIM BUKIT BARU, DAERAH MELAKA TENGAH, NEGERI MELAKA | Jan-22 | Jan-32 | 0.2835 |
| 223 | GREAT WALL BRICK WORK (M) SDN. BHD. | SEBAHAGIAN LOT 4262 & 4263, JALAN SOUTH MALAYA, 81300 DAERAH PONTIAN, JOHOR | Mar-22 | Mar-42 | 0.573 |
| 224 | GRUNDFOS PUMPS SDN. BHD. | 61844 BANDAR GLENMARIE PETALING 40150 SELANGOR | Oct-22 | Oct-32 | 0.2444 |
| 225 | GSPARX SDN. BHD. | 84134 BANDAR DATO ONN JOHOR BAHRU 81100 JOHOR | Sep-22 | Sep-32 | 0.348 |
| 226 | GSPARX SDN. BHD. | 1365 WILAYAH PERSEKUTUAN KUALA LUMPUR KUALA LUMPUR 54000 WILAYAH PERSEKUTUAN | Oct-22 | Oct-32 | 0.2552 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|------------------------------|---|-----------------------------------|-----------------------------------|--|
| 227 | GSPARX SDN. BHD. | 110318 DUNGUN DUNGUN 23000 TERENGGANU | Sep-22 | Sep-32 | 0.2 |
| 228 | GSPARX SDN. BHD. | LOT 4014 SELAYANG BATU CAVES 68100 SELANGOR | Aug-22 | Aug-32 | 1.0976 |
| 229 | GSPARX SDN. BHD. | LOT 138769, MUKIM HULU KINTA, DAERAH KINTA, 30100 PERAK | Dec-22 | Dec-32 | 0.1706 |
| 230 | GSPARX SDN. BHD. | STADIUM INDRA MULIA, BANDAR IPOH UTARA KINTA 31400 PERAK | Jun-22 | Jun-32 | 0.3532 |
| 231 | GSPARX SDN. BHD. | LOT 201138, MUKIM SETAPAK, DAERAH KUALA LUMPUR, 53000 WILAYAH PERSEKUTUAN KUALA LUMPUR | Aug-22 | Aug-42 | 0.5864 |
| 232 | GSPARX SDN. BHD. | PUSAT AKUATIK TUANKU ZARA , WILAYAH KEPAYANG, BANDAR IPOH UTARA, DAERAH KINTA, 31400 PERAK, | Sep-22 | Sep-32 | 0.275 |
| 233 | GSPARX SDN. BHD. | PT 260270 MUKIM HULU KINTA KINTA 31200 PERAK | May-22 | May-42 | 0.5104 |
| 234 | GSPARX SDN. BHD.. | PT 184 MUKIM 13 SEBERANG PERAI TENGAH 14000 PULAU PINANG | Dec-22 | Dec-32 | 0.5076 |
| 235 | GSPARX SDN. BHD. | AGENSI NUKLEAR MALAYSIA , LOT PT 3081, MUKIM KAJANG, DAERAH ULU LANGAT, 43000 SELANGOR | May-22 | May-42 | 0.46 |
| 236 | GSPARX SDN. BHD. | LOT PT 13799, MUKIM PETALING, DAERAH KUALA LUMPUR, 57000 WILAYAH PERSEKUTUAN | May-22 | May-42 | 0.47034 |
| 237 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 3147, MUKIM 06, DAERAH SEBERANG PERAI TENGAH, 13600 PULAU PINANG | Jun-22 | Jun-42 | 0.37048 |
| 238 | GSPARX SDN. BHD. | SEBAHAGIAN LOT PT 6762, MUKIM SUNGAI SELUANG, DAERAH KULIM, 09600 KEDAH | Jun-22 | Jun-42 | 0.26752 |
| 239 | GSPARX SDN. BHD. | PT 103642 (LOT 49649) KUALA KUANTAN KUANTAN 26300 PAHANG | Jun-22 | Jun-42 | 0.1769 |
| 240 | GSPARX SDN. BHD. | PTB 1547 MUKIM TUNGJANG SURAT KOTA TINGGI 81900 JOHOR | Jun-22 | Jun-42 | 0.2714 |
| 241 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 197067, MUKIM HULU KINTA, DAERAH KINTA, 31200 PERAK | Apr-22 | Apr-42 | 0.5104 |
| 242 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 21037, MUKIM PANCANG BEDENA, DAERAH SABAK BERNAM, 45300 SELANGOR | Feb-22 | Feb-42 | 0.3 |
| 243 | GSPARX SDN. BHD. | PT 23743 LABU SEREMBAN 71760 NEGERI SEMBILAN | Jun-22 | Jun-42 | 0.313 |
| 244 | GSPARX SDN. BHD. | SEBAHAGIAN LOT PT 52675, MUKIM KAPAR, DAERAH KLANG, 42200 SELANGOR | Jan-22 | Jan-42 | 0.9452 |
| 245 | GSPARX SDN. BHD. | SEBAHAGIAN LOT 34672, MUKIM BANDAR BARU ENSTEK, DAERAH SEREMBAN, 71760 NEGERI SEMBILAN | Mar-22 | Mar-32 | 0.154 |
| 246 | GSPARX SDN. BHD. | LOT PT NO. 10546, MUKIM HULU KELANG, DAERAH GOMBAK, 54200 KUALA LUMPUR | Mar-22 | Mar-32 | 0.5321 |
| 247 | GSPARX SDN. BHD. | NO 26 LRAYA KG JAWA, BAYAN BARU BAYAN LEPAS 11900 PULAU PINANG | Oct-22 | Oct-32 | 0.1405 |
| 248 | GSPARX SDN. BHD.HD | PT NO. 421K BATU BURUK KUALA TERENGGANU 20400 TERENGGANU | Dec-22 | Dec-32 | 0.316 |
| 249 | GSPARX SDN. BHD. | LOT PT 40858, MUKIM BANDAR BARU BANGI, DAERAH ULU LANGAT, 43650 SELANGOR | Dec-22 | Dec-32 | 1.037 |
| 250 | GSPARX SDN. BHD. | LOT 10053 BANDAR SHAH ALAM SEKSYEN 005 PETALING 40000 SELANGOR | Dec-22 | Dec-32 | 0.4213 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 251 | GUPPY PLASTIC INDUSTRIES (PENANG) SDN. BHD. | SEBAHAGIAN LOT PT 15821, MUKIM TANJONG MINYAK, DAERAH MELAKA TENGAH, 75260 NEGERI MELAKA | Sep-22 | Sep-32 | 0.9072 |
| 252 | HA PACK INDUSTRY SDN. BHD. | LOT 5820, JALAN CASSIA SELATAN 3/8 BATU KAWAN INDUSTRIAL PARK, BATU KAWAN 14100 PULAU PINANG | Mar-22 | Mar-42 | 0.4957 |
| 253 | HACO ASIA PACIFIC SDN. BHD. | SEBAHAGIAN PT 57331, MUKIM KLANG, 40460 DAERAH KLANG, SELANGOR | Feb-22 | Feb-32 | 0.731 |
| 254 | HAMAC FOOD INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 6212, MUKIM PEKAN CHERAS, 43300 DAERAH ULU LANGAT, NEGERI SELANGOR DARUL EHSAN | Jan-22 | Jan-42 | 0.20025 |
| 255 | HAN TE INDUSTRIES (M) SDN. BHD. | SEBAHAGIAN PT 1088, MUKIM 1, 13600 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | May-22 | May-42 | 0.41216 |
| 256 | HANG TUAH FURNITURE SDN. BHD. | SEBAHAGIAN LOT 6843, MUKIM SERTING HILIR, 72120 DAERAH JEMPOL, NEGERI SEMBILAN | Apr-22 | Apr-32 | 0.3996 |
| 257 | HANG TUAH FURNITURE SDN. BHD. | SEBAHAGIAN LOT 6843, MUKIM SERTING HILIR, 72120 DAERAH BANDAR SERI JEMPOL, NEGERI SEMBILAN | Apr-22 | Apr-32 | 0.5038 |
| 258 | HARUMI BRANDS SDN. BHD. | LOT 15604 DAN LOT 15605, MUKIM LUMUT, DAERAH MANJUNG, NEGERI PERAK | Mar-22 | Mar-32 | 0.8 |
| 259 | HASILWAN (M) SDN. BHD. | NO 5,PASAR HARIAN SELAYANG JLN SELAYANG BARU BATU CAVES 68100 WILAYAH PERSEKUTUAN | Nov-22 | Nov-32 | 0.4263 |
| 260 | HENG KAI HOCK FARM SDN. BHD. | LOT 36 MUKIM ULU SUNGEI SEDELI BESAR KOTA TINGGI 81300 JOHOR | Jun-22 | Jun-42 | 0.46926 |
| 261 | HERNAN CORPORATION SDN. BHD. | SEBAHAGIAN LOT 11311, MUKIM IJOK, 42300 DAERAH KUALA SELANGOR, SELANGOR | Oct-22 | Oct-32 | 0.4002 |
| 262 | HEXACHASE PACKAGING SDN. BHD. | LOT 8821, MUKIM JERAM BATU, DAERAH MELAKA TENGAH, 75250 NEGERI MELAKA | Jan-22 | Jan-32 | 0.365 |
| 263 | HEXTAR CHEMICALS SDN. BHD. | SEBAHAGIAN NO. LOT 88089 DAN 88105, MUKIM KLANG, DAERAH KLANG, 42900 SELANGOR | Dec-22 | Dec-32 | 0.1853 |
| 264 | HIGH SPEED SPRING & HARDWARE SDN. BHD. | DI SEBAHAGIAN NO. LOT 5038, MUKIM KAPAR, DAERAH KLANG, 41050 NEGERI SELANGOR | Mar-22 | Mar-32 | 0.4969 |
| 265 | HIROTAKO ACOUSTICS SDN. BHD. | PT 560 MUKIM DAMANSARA PETALING 40400 SELANGOR | Nov-22 | Nov-32 | 0.3056 |
| 266 | HL FEEDMILLS SDN. BHD. | NO. PT 803, MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14100 NEGERI PULAU PINANG. | Jan-22 | Jan-42 | 0.22072 |
| 267 | HMF INTERNATIONAL SDN. BHD. | PT 1002, MUKIM HULU KINTA, DAERAH KINTA, NEGERI PERAK | Feb-22 | Feb-32 | 0.15 |
| 268 | HOK HUAT OIL MILL SDN. BHD. | SEBAHAGIAN LOT 51750, MUKIM PLENTONG, 81700 JOHOR BAHRU, JOHOR | Jul-22 | Jul-32 | 0.5404 |
| 269 | HONEYWELL AEROSPACE AVIONICS MALAYSIA SDN. BHD. | SEBAHAGIAN PT 4554, MUKIM 01, 13600 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Oct-22 | Oct-32 | 0.9995 |
| 270 | HONG SOON HUNG (M) SDN. BHD. | SEBAHAGIAN LOT 3866, MUKIM TEBRAU, 81200 JOHOR BAHRU, JOHOR | Apr-22 | Apr-32 | 0.1565 |
| 271 | HONSENG RICE MILL SDN. BHD. | LOT 571, SUNGAI BAKAU, MUKIM 10, DAERAH SEBERANG PERAI SELATAN, 14320 NEGERI PULAU PINANG | Feb-22 | Feb-42 | 0.49995 |
| 272 | HONSENG RICE MILL SDN. BHD. | LOT 571, SUNGAI BAKAU, MUKIM 10, DAERAH SEBERANG PERAI SELATAN, 14320 NEGERI PULAU PINANG | Feb-22 | Feb-42 | 0.24975 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 273 | HQPACK SDN. BHD. | SEBAHAGIAN PTD 110430, MUKIM KULAI, 81200 DAERAH KULAI, JOHOR | Dec-22 | Dec-32 | 0.4257 |
| 274 | HT TYREHUB SDN. BHD. | SEBAHAGIAN PTD 54007 & 54008, MUKIM TEBRAU, 81200 DAERAH JOHOR BAHRU, JOHOR | Mar-22 | Mar-32 | 0.1096 |
| 275 | HUA TECK POULTRY FARM SDN. BHD. | SEBAHAGIAN LOT 601-603, MUKIM KG LIPAT KAJANG, 81900 DAERAH KOTA TINGGI, NEGERI JOHOR | Jan-22 | Jan-42 | 0.49777 |
| 276 | HUP CHOONG MEE FACTORY SDN. BHD. | SEBAHAGIAN NO. LOT 138324, MUKIM HULU KINTA, DAERAH KINTA, 30100 NEGERI PERAK | Sep-22 | Sep-32 | 0.1001 |
| 277 | IKEA SUPPLY (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 152466, JALAN SUNGAI CHANDONG 26/KS11, TAMAN PERINDUSTRIAN PULAU INDAH (FASA 3), MUKIM KLANG, 42920 DAERAH KLANG, NEGERI SELANGOR | Feb-22 | Feb-32 | 1.3004 |
| 278 | IKTIKAF SEPADU SDN. BHD. | SEBAHAGIAN NO. LOT 703, MUKIM ROMPIN, DAERAH ROMPIN, 26820 NEGERI JOHOR | Sep-22 | Sep-32 | 0.5441 |
| 279 | INDUSTRIAL CONCRETE PRODUCTS SDN. BHD. | SEBAHAGIAN PT 8022, MUKIM SUNGAI KARANG, 26100 DAERAH KUANTAN, PAHANG | Aug-22 | Aug-32 | 0.324 |
| 280 | IPEX GLOBAL MANUFACTURING (M) SDN. BHD. | SEBAHAGIAN NO. PTD 5226, MUKIM TANJUNG KUPANG, DAERAH JOHOR BAHRU, NEGERI JOHOR | Mar-22 | Mar-32 | 1.368 |
| 281 | IPOH INTERNATIONAL SCHOOL SDN. BHD. | SEBAHAGIAN LOT 516684, MUKIM HULU KINTA, 30020 DAERAH KINTA, NEGERI PERAK | Jan-22 | Jan-32 | 0.4996 |
| 282 | IRIICHI (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 2997 (PLOT 507), TINGKAT PERUSAHAAN 4, 13600 DAERAH SEBERANG PERAI TENGAH, PULAU PINANG | Mar-22 | Mar-32 | 0.1957 |
| 283 | IRIICHI (MALAYSIA) SDN. BHD. | SEBAHAGIAN PT 3678, KUALA PERLIS, MUKIM KUALA PERLIS, 02000 DAERAH PERLIS, PERLIS | Mar-22 | Mar-32 | 0.1083 |
| 284 | ISELLA SOFA DESIGN SDN. BHD. | SEBAHAGIAN LOT 2254, MUKIM SEMENYIH, 43500 DAERAH ULU LANGAT, SELANGOR | Aug-22 | Aug-32 | 0.1728 |
| 285 | J.K.WIRE HARNESS SDN. BHD. | SEBAHAGIAN PT 4058, MUKIM BATANG PADANG, 35400 DAERAH BATANG PADANG, NEGERI PERAK | Feb-22 | Feb-32 | 0.351 |
| 286 | J.K.WIRE HARNESS SDN. BHD. | SEBAHAGIAN PT 4086, MUKIM SUNGAI KLUANG, 83100 DAERAH BATU PAHAT, JOHOR | Mar-22 | Mar-32 | 0.5702 |
| 287 | J.K.WIRE HARNESS SDN. BHD. | SEBAHAGIAN NO. LOT PTD 52063, MUKIM TEBRAU, DAERAH JOHOR BAHRU, 81100 JOHOR | Dec-22 | Dec-32 | 0.28231 |
| 288 | JABI RICE MILL SDN. BHD. | SEBAHAGIAN LOT 346 & 1709, MUKIM PEKAN KEBUN, 06400 DAERAH POKOK SENA, NEGERI KEDAH | Oct-22 | Oct-32 | 0.6998 |
| 289 | JABI RICE MILL SDN. BHD. | SEBAHAGIAN LOT 346 & 1709, MUKIM PEKAN KEBUN, 06400 DAERAH POKOK SENA, NEGERI KEDAH | Dec-22 | Dec-32 | 0.6 |
| 290 | JASIN SHOPPING CENTRE SDN. BHD. | SEBAHAGIAN PT 1011, MUKIM JASIN, 77000 DAERAH JASIN, NEGERI MELAKA | Aug-22 | Aug-32 | 0.1188 |
| 291 | JIXING TECHNOLOGY SDN. BHD. | PTD 204335, MUKIM PLENTONG, DAERAH JOHOR BAHRU, NEGERI JOHOR | Apr-22 | Apr-32 | 0.76655 |
| 292 | JOHNSON & JOHNSON SDN. BHD. | LOT 51 SEKSYEN 20 BANDAR PETALING JAYA PETALING 46050 SELANGOR | Oct-22 | Oct-32 | 0.3989 |
| 293 | JONFONG WOOD PRODUCTS SDN. BHD. | LOT 10-B(1), JALAN PBR 1, KAWASAN PERINDUSTRIAN BUKIT RAMBAI, 75260 MELAKA, MELAKA MUKIM BUKIT RAMBAI MELAKA 75260 MELAKA | Nov-22 | Nov-32 | 0.4201 |
| 294 | JOO LEE IMPORT & EXPORT CO. SDN. BHD. | SEBAHAGIAN NO. LOT 19029 SEKSYEN 20, MUKIM BANDAR RAWANG, DAERAH GOMBAK, 48000 NEGERI SELANGOR | Jan-22 | Jan-32 | 0.3252 |
| 295 | K F PAPER PRODUCTS (MELAKA) SDN. BHD. | NO. PT 419, MUKIM MERLIMAU, DAERAH JASIN, 77300 NEGERI MELAKA | Feb-22 | Feb-32 | 0.4553 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---------------------------------------|---|-----------------------------------|-----------------------------------|--|
| 296 | K. K. METAL PROCESSING SDN. BHD. | LOT 5206, BUKIT SERDANG, MUKIM KAJANG, DAERAH HULU LANGAT, NEGERI SELANGOR | Mar-22 | Mar-32 | 0.4196 |
| 297 | K. P. LOO ENGINEERING SDN. BHD. | PT 752 PEKAN SIMPANG TIGA IJOK KUALA SELANGOR 45600 SELANGOR | Jul-22 | Jul-42 | 0.3505 |
| 298 | KAMCO ALUMINIUM SDN. BHD. | NO. PT 30861, MUKIM SEMENYIH, DAERAH HULU LANGAT, 43500 NEGERI SELANGOR | Jan-22 | Jan-32 | 0.5309 |
| 299 | KEAT HWA GUO ZHONG (KD) | SEBAHAGIAN LOT 70109, SEKSYEN 48, MUKIM BANDAR ALOR SETAR, 05400 DAERAH KOTA SETAR, NEGERI KEDAH | Mar-22 | Mar-42 | 0.1188 |
| 300 | KELUARGA KREATIF JATI SDN. BHD. | PT 6883, TEMPAT PAREMBA, BANDAR ALOR SETAR, DAERAH KOTA SETAR, NEGERI KEDAH | Feb-22 | Feb-42 | 0.4329 |
| 301 | KENTRA HARDWARE SDN. BHD. | PT 30509, MUKIM SUNGAI PETANI, DAERAH KUALA MUDA, 08000 NEGERI KEDAH | Jun-22 | Jun-32 | 0.4896 |
| 302 | KH SAWMILL SDN. BHD. | 239 BATU 5, JALAN KARAK MENTAKAB TEMERLOH 28400 PAHANG | Oct-22 | Oct-32 | 0.2516 |
| 303 | KH SAWMILL SDN. BHD. | KILANG JALAN KARAK BATU 5 MERTAKAB 28400 PAHANG | Jun-22 | Jun-32 | 0.1199 |
| 304 | KHIND-MISTRAL INDUSTRIES SDN. BHD. | PT 124, PEKAN SEKINCHAN, DAERAH SABAK BERNAM, 45400 NEGERI SELANGOR | May-22 | May-32 | 0.3204 |
| 305 | KHIND-MISTRAL INDUSTRIES SDN. BHD. | SEBAHAGIAN NO. LOT PT 124, MUKIM PEKAN SEKINCHAN, DAERAH SABAK BERNAM, 45400 NEGERI SELANGOR | Jan-22 | Jan-32 | 0.225 |
| 306 | KIEN CITY (PJ) SDN. BHD. | SEBAHAGIAN LOT 27, MUKIM BANDAR PETALING JAYA, 46050 DAERAH PETALING, NEGERI SELANGOR | May-22 | May-32 | 0.166 |
| 307 | KIEN CITY (PJ) SDN. BHD. | SEBAHAGIAN LOT 27, MUKIM BANDAR PETALING JAYA, 46050 DAERAH PETALING, NEGERI SELANGOR | Mar-22 | Mar-32 | 0.166 |
| 308 | KILANG BERAS BAGAN SERAI SDN. BHD. | LOT 15419, MUKIM BAGAN SERAI, DAERAH KERIAN, 34300 NEGERI PERAK | Jan-22 | Jan-42 | 0.52228 |
| 309 | KILANG BERAS BAGAN SERAI SDN. BHD. | LOT 15419, MUKIM BAGAN SERAI, DAERAH KERIAN, 34300 NEGERI PERAK | Jan-22 | Jan-42 | 0.341 |
| 310 | KILANG BERAS PEK CHOO KEOK SDN. BHD. | SEBAHAGIAN PT 6865, SIMPANG EMPAT, BANDAR ALOR SETAR, 06650 KOTA SETAR, KEDAH | Jul-22 | Jul-42 | 0.56144 |
| 311 | KILANG PADI HAI SIN SDN. BHD. | LOT 4907 MUKIIM KOTA SETIA PERAK TENGAH 32030 PERAK | Mar-22 | Mar-42 | 0.53328 |
| 312 | KILANG PAPAN PGP SDN. BHD. | PT16084 MUKIM BUKIT PAYUNG MARANG 21040 TERENGGANU | Oct-22 | Oct-32 | 0.1551 |
| 313 | KIM TECK LEE TIMBER TRADING SDN. BHD. | SEBAHAGIAN PT 4062, OLAK LEMPIT, MUKIM TANJUNG DUA BELAS, 42700 DAERAH KUALA LANGAT, SELANGOR | Mar-22 | Mar-42 | 0.46024 |
| 314 | KIM THYE LEONG RICE MILL SDN. BHD. | LOT 3481 MUKIM 05 SEBERANG PERAI UTARA 13200 PULAU PINANG | Jan-22 | Jan-42 | 0.50688 |
| 315 | KIN HO TIMBER MANUFACTURING SDN. BHD. | SEBAHAGIAN PTD 13435, BATU 9 1/2 JALAN MAJU JAYA, MUKIM TEBRAU, 81300 JOHOR BAHRU, JOHOR | Dec-22 | Dec-32 | 0.3014 |
| 316 | KNIT TEXTILE INTEGRATED INDUSTRIES | SEBAHAGIAN PTD 24912, JALAN JORAK EST TONGKAK PECAH, MUKIM LINAU, 83000 DAERAH BATU PAHAT, NEGERI JOHOR | Aug-22 | Aug-32 | 0.4968 |
| 317 | KNIT TEXTILES MANUFACTURING SDN. BHD. | PTD 47285, MUKIM SIMPANG KANAN, JALAN BAKRI, 83300 DAERAH BATU PAHAT, NEGERI JOHOR | Oct-22 | Oct-32 | 0.2484 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 318 | KOITO MALAYSIA SDN. BHD. | SEBAHAGIAN NO. PT 12630, BANDAR SRI SENDAYAN, DAERAH SEREMBAN, NEGERI SEMBILAN | Feb-22 | Feb-32 | 0.8532 |
| 319 | KOMARK INTERNATIONAL (M) SDN. BHD. | SEBAHAGIAN LOT 132, KAWASAN PERUSAHAAN CHERAS JAYA, MUKIM PEKAN KAJANG, 43200 DAERAH CHERAS, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.4248 |
| 320 | KONG LEE ENG SDN. BHD. | SEBAHAGIAN LOT 2123 & 2122, MUKIM PASANGAN, 45000 DAERAH KUALA SELANGOR, SELANGOR | Oct-22 | Oct-32 | 0.2 |
| 321 | KONG LEE ENG SDN. BHD. | PT 818 PEKAN SUBANG PETALING 40100 SELANGOR | Aug-22 | Aug-32 | 0.785 |
| 322 | KONG WENG GLASS SDN. BHD. | SEBAHAGIAN LOT 27218, MUKIM KAPAR, 42200 DAERAH KLANG, NEGERI SELANGOR | Apr-22 | Apr-32 | 0.5313 |
| 323 | KOSEL INDUSTRIES SDN. BHD. | PT 39, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, 13600 NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.32 |
| 324 | KOSSAN PAINT (M) SDN. BHD. | PT 55198, MUKIM KAPAR, DAERAH KLANG, 42200 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.904 |
| 325 | KUS PRE-CAST CONCRETE (M) SDN. BHD. | LOT 239 ULU TIRAM JOHOR BAHRU 81800 JOHOR | Jul-22 | Jun-32 | 0.2009 |
| 326 | KVC PROPERTIES SDN. BHD. | SEBAHAGIAN NO. PT 40855, BANDAR BARU BANGI, DAERAH ULU LANGAT, NEGERI SELANGOR | Jan-22 | Jan-32 | 0.2055 |
| 327 | KW AQUATIC SUPPLIES SDN. BHD. | PT 2690 MUKIM 01 SEBERANG PERAI TENGAH 13600 PULAU PINANG | Mar-22 | Mar-42 | 0.15576 |
| 328 | KW PRECISION ENGINEERING SDN. BHD. | SEBAHAGIAN PT 3175, MUKIM 01, 13600 DAERAH SEBERANG PERAI TENGAH, PULAU PINANG | Jan-22 | Jan-42 | 0.2409 |
| 329 | KWENG HONG PACKAGING INDUSTRY SDN. BHD.. | SEBAHAGIAN NO. LOT PT 96115 & PT 96116, MUKIM BANDAR SUNGAI PETANI, DAERAH KUALA MUDA, 08000 KEDAH | Nov-22 | Oct-32 | 0.2799 |
| 330 | L.B. FURNITURE SDN. BHD. | 8788, MUKIM JALAN BAKRI, DAERAH MUAR, 84200 NEGERI JOHOR | May-22 | May-32 | 0.3845 |
| 331 | LAM SOON EDIBLE OILS SDN. BHD. | SEBAHAGIAN LOT 1790, MUKIM CHERAS, 43300 DAERAH HULU LANGAT, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.5036 |
| 332 | LANGKAWI PORT SDN. BHD. | PT 1346 MUKIM KEDAWANG LANGKAWI 07000 KEDAH | Aug-22 | Aug-42 | 0.3739 |
| 333 | LASER INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 14 SEKSYEN 65, MUKIM BANDAR SUNGAI PETANI, 08000 DAERAH KUALA MUDA, KEDAH | Jul-22 | Jul-32 | 0.35 |
| 334 | LAVENDER CONFECTIONERY & BAKERY SDN. BHD. | SEBAHAGIAN LOT 64322, MUKIM PLENTONG, 81750 DAERAH JOHOR BHARU, NEGERI JOHOR | Jul-22 | Jun-32 | 0.3164 |
| 335 | LEADER SOLAR SDN. BHD. | LOT 1249 MUKIM JERAM KUALA SELANGOR 45800 SELANGOR | Aug-22 | Aug-32 | 0.3222 |
| 336 | LEADER SOLAR SDN. BHD. | SEBAHAGIAN LOT NO. PLOT 11, MUKIM PEKULA, DAERAH KUALA MUDA, 08600 KEDAH | Apr-22 | Apr-32 | 1.329 |
| 337 | LEADER SOLAR SDN. BHD. | LOT 6071, JLN HJ ABD MANAN BT 5 OFF JLN MERU KLANG 41050 SELANGOR | Dec-22 | Dec-32 | 0.9963 |
| 338 | LEADER SOLAR SDN. BHD. | LOT NO. PT 3235, MUKIM 1, DAERAH SEBERANG PERAI TENGAH, 13600 PULAU PINANG | Dec-22 | Dec-32 | 1.24 |
| 339 | LEADER SOLAR SDN. BHD. | LOT NO. PT 12291, MUKIM SUNGAI BULOH, DAERAH PETALING, 40140 SHAH ALAM, SELANGOR | Dec-22 | Dec-32 | 0.8589 |
| 340 | LEE MOTORS AUTOHAUS SDN. BHD. | SEBAHAGIAN PT 7160, BANDAR ALOR SETAR, 05100 DAERAH KOTA SETAR, KEDAH | Nov-22 | Nov-32 | 0.1049 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|---|-----------------------------------|-----------------------------------|--|
| 341 | LEE MOTORS SP CAR DIV SDN. BHD. | SEBAHAGIAN PT 60458, BANDAR SUNGAI PETANI, 08000 DAERAH KUALA MUDA, KEDAH | Jan-22 | Jan-42 | 0.43233 |
| 342 | LEEKEE INDUSTRIES (M) SDN. BHD. | SEBAHAGIAN NO. LOT 34768, MUKIM TEBRAU, DAERAH JOHOR BAHRU, NEGERI JOHOR | Jan-22 | Jan-32 | 0.5868 |
| 343 | LEGEND DYNAMIC SDN. BHD. | LOT 747, JALAN BENTA PEDAH JERANTUT 27000 PAHANG | Oct-22 | Oct-32 | 0.1798 |
| 345 | LEON FUAT METAL SDN. BHD. | LOT 26104, MUKIM KAPAR, DAERAH KLANG, 40000 NEGERI SELANGOR | Mar-22 | Mar-32 | 0.1559 |
| 346 | LEON FUAT METAL SDN. BHD. | SEBAHAGIAN PT 17399, MUKIM KAPAR, 40000 DAERAH KLANG, NEGERI SELANGOR | Apr-22 | Apr-32 | 0.6652 |
| 347 | LEON FUAT METAL SDN. BHD. | SEBAHAGIAN PT 65615, SELAT KELANG UTARA, MUKIM KAPAR, 42000 KLANG, SELANGOR | Jul-22 | Jun-32 | 0.8979 |
| 348 | LEON FUAT METAL SDN. BHD. | SEBAHAGIAN LOT 26102, MUKIM KAPAR, 40000 KLANG, SELANGOR | Jul-22 | Jun-32 | 0.5542 |
| 349 | LEONG HUAT POULTRY SDN. BHD. | LOT 12989, MUKIM SITIAWAN, DAERAH MANJUNG, NEGERI PERAK | Dec-22 | Dec-32 | 0.3009 |
| 350 | LEONG HUP AGROBUSINESS SDN. BHD. | SEBAHAGIAN LOT 121, MUKIM JLN JORAK BUKIT PASIR, 84300 DAERAH MUAR, NEGERI JOHOR | Sep-22 | Sep-32 | 0.4114 |
| 351 | LEONG HUP AGROBUSINESS SDN. BHD. | BT 15, JLN MUAR TANGKAK 84900 JOHOR | Nov-22 | Nov-32 | 0.594 |
| 352 | LEONG HUP AGROBUSINESS SDN. BHD. | NO 3150, JLN SUNGKAI KAWASAN PERINDUSTRIAN BIDOR 35500 PERAK | Dec-22 | Dec-32 | 0.6677 |
| 353 | LI YU PAPER (M) SDN. BHD. | SEBAHAGIAN PLOT 67, AYER KEROH, MUKIM BUKIT KATIL, 75450 DAERAH MELAKA TENGAH, MELAKA | Dec-22 | Dec-32 | 0.1696 |
| 354 | LIAN SENG HUNG RICE MILL SDN. BHD. | SEBAHAGIAN LOT 6437, JALAN BAHRU, MUKIM KUALA KURAU, 34200 DAERAH KERIAN, PERAK | Feb-22 | Feb-32 | 0.2003 |
| 355 | LIANG KEE FARMING SDN. BHD. | LOT 4035, BATU SEMBILAN, MUKIM CHENDERIANG, 35300 DAERAH BATANG PADANG, NEGERI PERAK | Oct-22 | Oct-42 | 0.4 |
| 356 | LIEN EKI RUBBER INDUSTRIAL (M) SDN. BHD. | SEBAHAGIAN PT 76, SEKSYEN 23, MUKIM BANDAR SHAH ALAM, DAERAH PETALING JAYA, 40300 SELANGOR | Jul-22 | Jun-32 | 0.5109 |
| 357 | LINKK BUSWAY SYSTEMS (M) SDN. BHD. | SEBAHAGIAN LOT 3226, MUKIM BERANANG, 43700 DAERAH ULU LANGAT, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.2095 |
| 358 | LITA FINEMESH INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 111 SEKSYEN 65, BANDAR SUNGAI PETANI, 08000 KUALA MUDA, KEDAH | May-22 | May-42 | 0.2998 |
| 359 | LIVING NATURE SDN. BHD. | NO. PTD 29624, MUKIM TANGKAK, DAERAH LEDANG, 84020 NEGERI JOHOR | Mar-22 | Mar-32 | 1.3316 |
| 360 | LOOP ENERGY MALAYSIA SDN. BHD. | SEBAHAGIAN LOT 6841, MUKIM 13, 14000 DAERAH SEBERANG PRAI TENGAH, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.3515 |
| 361 | LUMUT AQUACULTURE SDN. BHD. | 475 LUMUT MANJUNG 32200 PERAK | Oct-22 | Oct-32 | 0.5004 |
| 362 | LUMUT MARITIME TERMINAL SDN. BHD. | LOT 10482, MUKIM LUMUT, DAERAH MANJUNG, 32000 NEGERI PERAK | Jan-22 | Jan-32 | 0.657 |
| 363 | LY FURNITURE SDN. BHD. | SEBAHAGIAN PTD 35116, MUKIM SIMPANG KANAN, 83000 DAERAH BATU PAHAT, NEGERI JOHOR DARUL TAKZIM | Jan-22 | Jan-42 | 0.1122 |
| 364 | LY FURNITURE SDN. BHD. | SEBAHAGIAN PTD 34308, MUKIM SIMPANG KANAN, 83000 DAERAH BATU PAHAT, NEGERI JOHOR DARUL TAKZIM | Jan-22 | Jan-42 | 0.15444 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 365 | LY FURNITURE SDN. BHD. | SEBAHAGIAN PTD47295, MUKIM SIMPANG KANAN, 83000 DAERAH BATU PAHAT, NEGERI JOHOR DARUL TAKZIM | Jan-22 | Jan-42 | 0.57332 |
| 366 | LY FURNITURE SDN. BHD. | SEBAHAGIAN LOT 54465, MUKIM SIMPANG KANAN, 83300 DAERAH BATU PAHAT, JOHOR | Jan-22 | Jan-42 | 0.5607 |
| 367 | MACRO PLASTIC SDN. BHD. | PT 3473 PETALING SERI KEMBANGAN 43300 SELANGOR | Dec-22 | Dec-32 | 1.2557 |
| 368 | MAJLIS BANDARAYA SHAH ALAM | PT 2052, BANDAR SHAH ALAM, 40200 DAERAH PETALING, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.1605 |
| 369 | MALAKOFF RADIANCE SDN. BHD. | PT 17915, SEKSYEN 20, BANDAR SERENDAH, DAERAH ULU SELANGOR, 48050 SELANGOR | Jan-22 | Jan-32 | 1.251 |
| 370 | MALAKOFF RADIANCE SDN.BHD. | SEBAHAGIAN NO. LOT 66235, MUKIM PLENTONG, DAERAH JOHOR BAHRU, 81700 NEGERI JOHOR | Jul-22 | Jul-32 | 1.28583 |
| 371 | MALAYSIAN PRECISION MANUFACTURING SDN. BHD. | PT 610 MUKIM TELOK PANGLIMA GARANG KUALA LANGAT 42500 SELANGOR | Dec-22 | Dec-32 | 0.3439 |
| 372 | MANSALIN EDUCATION SDN. BHD. | SEBAHAGIAN PT 49608 & 49609, BATU 26 3/4 JALAN DENGKIL/ KAJANG, JENDERAM HILIR, MUKIM DENGKIL, 43800 DAERAH SEPANG, SELANGOR | Jan-22 | Jan-32 | 0.1442 |
| 373 | MAQO TECHNOLOGIES (M) SDN. BHD. | LOT 1857 MUKIM KAJANG ULU LANGAT 43000 SELANGOR. | Oct-22 | Oct-32 | 0.4927 |
| 374 | MAQO TECHNOLOGIES (M) SDN. BHD. | LOT 8381 MUKIM KAJANG ULU LANGAT 43000 SELANGOR | Oct-22 | Oct-32 | 0.821 |
| 375 | MAQO TECHNOLOGIES (M) SDN. BHD. | LOT 8384 MUKIM KAJANG ULU LANGAT 43000 SELANGOR | Oct-22 | Oct-32 | 0.1428 |
| 376 | MAREATECH CORPORATION SDN. BHD. | SEBAHAGIAN LOT 3253, MUKIM SENAI-KULAI, 81000 DAERAH KULAI, NEGERI JOHOR | Apr-22 | Apr-32 | 0.3447 |
| 377 | MASFLOOR SDN. BHD. | SEBAHAGIAN LOT 3279, MUKIM CHUPING, 02450 DAERAH BUKIT KETERI, NEGERI PERLIS | Jul-22 | Jul-32 | 1.206 |
| 378 | MASLEE DISTRIBUTION CENTER SDN. BHD. | SEBAHAGIAN LOT 44885, MUKIM TEBRAU, 81300 JOHOR BAHRU, JOHOR | Jul-22 | Jun-32 | 0.279 |
| 379 | MASTER SHANGHAI FORGING SDN. BHD. | SEBAHAGIAN LOT 1774, SUNGAI BALAK, MUKIM CERAS, 43300 DAERAH HULU LANGAT, SELANGOR | Jul-22 | Jul-32 | 0.425 |
| 380 | MAXIS BROADBAND SDN. BHD. | SEBAHAGIAN PT 4784, MUKIM PETALING, 57000 KUALA LUMPUR, WILAYAH PERSEKUTUAN | Aug-22 | Aug-32 | 0.6269 |
| 381 | MAXIS BROADBAND SDN. BHD. | SEBAHAGIAN LOT 5331 & 5332, MUKIM 01, 13700 DAERAH SEBERANG PERAI TENGAH, PULAU PINANG | Aug-22 | Aug-32 | 0.28 |
| 382 | MAXIS BROADBAND SDN. BHD. | SEBAHAGIAN LOT 18996 SEKSYEN 20, BANDAR RAWANG, 48000 DAERAH GOMBAK, SELANGOR | Aug-22 | Aug-32 | 0.3132 |
| 383 | MAXIS BROADBAND SDN. BHD. | SEBAHAGIAN LOT 4059, MUKIM TEBRAU, 81200 JOHOR BAHRU, JOHOR | Aug-22 | Aug-32 | 0.202 |
| 384 | MAXIS BROADBAND SDN. BHD. | SEBAHAGIAN LOT 38553, PEKAN COUNTRY HEIGHT, 40000 DAERAH PETALING, SELANGOR | Aug-22 | Aug-32 | 0.927 |
| 385 | MDC PRECAST INDUSTRIES SDN. BHD. | NO. PT 15, MUKIM BANDAR AMANJAYA, DAERAH KUALA MUDA, NEGERI KEDAH | Apr-22 | Apr-32 | 0.5298 |
| 386 | MDC PRECAST INDUSTRIES SDN. BHD. | NO. PT15, MUKIM BANDAR AMANJAYA, DAERAH KUALA MUDA, NEGERI KEDAH | Mar-22 | Mar-32 | 0.5298 |
| 387 | MEGAH SUPERMARKET & DEPARTMENTAL STORE SDN. BHD. | SEBAHAGIAN PT 572, MUKIM BANDAR BANTING, 42700 DAERAH KUALA LANGAT, NEGERI SELANGOR | Sep-22 | Sep-32 | 0.2741 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 388 | MELEWAR STEEL TUBE SDN. BHD. | PT BANDAR SHAH ALAM PETALING 40200 SELANGOR | Oct-22 | Oct-32 | 0.50946 |
| 389 | MENANG NUSANTARA SDN. BHD. | LOT 1, JALAN 5, TAMAN PERINDUSTRIAN CHERAS JAYA CHERAS BALAKONG 43200 SELANGOR | Jun-22 | Jun-32 | 0.3121 |
| 390 | MESTREAD TYRE SOLUTIONS SDN. BHD. | SEBAHAGIAN PT 35169, MUKIM TANJONG DUABELAS, 47130 DAERAH KUALA LANGAT, SELANGOR | Dec-22 | Dec-32 | 0.1755 |
| 391 | MESTRON ENERGY SDN. BHD. | SEBAHAGIAN NO. LOT 901, BATU 25 JALAN KEPONG / IJO, MUKIM IJUK, DAERAH KUALA SELANGOR, 45600 NEGERI SELANGOR | Jul-22 | Jul-32 | 0.353 |
| 392 | MESTRON ENERGY SDN. BHD. | SEBAHAGIAN NO. LOT 902, MUKIM IJUK, DAERAH KUALA SELANGOR, 45600 NEGERI SELANGOR | Jul-22 | Jul-32 | 0.212 |
| 393 | METAL-LIKE SURFACE TREATMENT SDN. BHD. | SEBAHAGIAN NO. PTD 148159, MUKIM PLENTONG, DAERAH JOHOR BAHRU, NEGERI JOHOR | Jan-22 | Jan-32 | 0.1269 |
| 394 | METRO KURNIA SDN. BHD. | 50282 BANDAR SUNGAI PETANI KUALA MUDA 08000 KEDAH | Nov-22 | Nov-32 | 0.593 |
| 395 | METROPOLY PACKAGING SDN. BHD. | SEBAHAGIAN LOT 20035, 20036, 20037, 20038, 20039, 20040 & 20041, BANDAR BARU MANTIN, 71700 SEREMBAN, NEGERI SEMBILAN | Jul-22 | Jul-32 | 0.5245 |
| 396 | MEWAH PLUS INDUSTRY SDN. BHD. | LOT 1812 MUKIM SIMPANG KANAN BATU PAHAT 83300 JOHOR | Dec-22 | Dec-32 | 0.1308 |
| 397 | MIAOW MIAOW FOOD PRODUCTS SDN. BHD. | SEBAHAGIAN LOT 49864, PARIT SENGGUANG, MUKIM SIMPANG KANAN, 83000 DAERAH BATU PAHAT, JOHOR | Apr-22 | Apr-42 | 0.6375 |
| 398 | MICROMECHANICS (M) SDN. BHD. | LOT 187078, MUKIM HULU KINTA, 30200 DAERAH KINTA, NEGERI PERAK | Dec-22 | Dec-32 | 0.4574 |
| 399 | MIKRO SDN. BHD. | SEBAHAGIAN LOT 69271, MUKIM KLANG, 40460 KLANG, SELANGOR | Jan-22 | Jan-42 | 0.25 |
| 400 | MILAB MARKETING SDN. BHD. | PT1458 MUKIM KOTA JAJAHAN KOTA BHARU 15100 KELANTAN | Dec-22 | Dec-32 | 0.451 |
| 401 | MILAB MARKETING SDN. BHD. | SEBAHAGIAN LOT PT 5348, MUKIM LUIT, DAERAH MARAN, 26500 PAHANG | Dec-22 | Dec-32 | 0.1307 |
| 402 | MILAB MARKETING SDN. BHD.. | SEBAHAGIAN LOT PT 3335, MUKIM PASIR AKAR, DAERAH BESUT, 22000 TERENGGANU | Dec-22 | Dec-32 | 0.56784 |
| 403 | MILAB MARKETING SDN. BHD. | SEBAHAGIAN LOT PT 3335, MUKIM PASIR AKAR, DAERAH BESUT, 22000 TERENGGANU | Dec-22 | Dec-32 | 0.21567 |
| 404 | MOEM HOLDINGS SDN. BHD. | LOT 6117 KAPAR KLANG 41050 SELANGOR | Dec-22 | Dec-32 | 0.4181 |
| 405 | MONFORT BOYS TOWN | SEBAHAGIAN PT 35290, MUKIM DAMANSARA, 40300 DAERAH PETALING, SELANGOR | Mar-22 | Mar-42 | 0.46 |
| 406 | MORRIS PRECISION SDN. BHD. | SEBAHAGIAN PT 60595, MUKIM SUNGAI PETANI, 08000 DAERAH KUALA MUDA, NEGERI KEDAH | Jun-22 | Jun-32 | 0.43 |
| 407 | MSHK ENGINEERING SDN. BHD. | SEBAHAGIAN NO. LOT 303262, MUKIM SUNGAI TERAP, DAERAH KINTA, 31500 NEGERI PERAK | Jul-22 | Jul-32 | 0.1923 |
| 408 | MTS FIBROMAT (M) SDN. BHD. | SEBAHAGIAN NO. PT 604 & PT 605, MUKIM BANDAR RASA, DAERAH ULU SELANGOR, 44200 NEGERI SELANGOR | Jun-22 | Jun-32 | 0.252 |
| 409 | MUAR YUEN CHEN SIANG SDN. BHD. | SEBAHAGIAN LOT 158, BANDAR MAHARANI, 84000 DAERAH MUAR, JOHOR | Aug-22 | Aug-32 | 0.1252 |
| 410 | MUDA PASIFIK SDN. BHD. | SEBAHAGIAN PTD 74901, MUKIM SENAI-KULAI, 81400 JOHOR BAHRU, JOHOR | Jun-22 | Jun-32 | 0.5 |
| 411 | MUHHIBBAH MARINE ENGINEERING SDN. BHD. | 923(29256) TELOK GONG MUKIM KELANG SELAT LUMUT PELABUHAN KELANG 42007 SELANGOR | Oct-22 | Oct-32 | 0.7371 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 412 | MULTI-CODE TECHNOLOGIES (M) SDN. BHD. | SEBAHAGIAN NO. PT 119984, MUKIM KLANG, DAERAH KLANG, NEGERI SELANGOR | Jan-22 | Jan-42 | 0.53475 |
| 413 | MULTIPLEX PACKAGING SDN. BHD. | PT 31572 MUKIM SENTUL SEREMBAN 71800 NEGERI SEMBILAN | Apr-22 | Apr-32 | 1.168 |
| 414 | MYNEWS RETAIL SDN. BHD. | SEBAHAGIAN PT 10567, PEKAN BARU SUNGAI BULOH, 47810 DAERAH PETALING, SELANGOR | May-22 | May-32 | 0.959 |
| 415 | NAM HENG SAFETY GLASS SDN. BHD.. | LOT 32482, MUKIM AMPANGAN, DAERAH SEREMBAN, 70450 NEGERI SEMBILAN | Feb-22 | Feb-32 | 1.348 |
| 416 | NANMU YARNS & THREADS MANUFACTURING SDN. BHD. | LOT 12425, MUKIM KLANG, DAERAH KLANG, 42000 NEGERI SELANGOR | Mar-22 | Mar-32 | 0.5049 |
| 417 | NEFIN SOLAR ASSET SDN. BHD. | LOT 20533, MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14100 PULAU PINANG | Jun-22 | Jun-42 | 0.1734 |
| 418 | NEW AGE ALUMINIUM INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 42506, NO. 160-B, JALAN TUDM, KG BARU SUBANG, 40150 DAERAH SHAH ALAM, NEGERI SELANGOR | Jan-22 | Jan-42 | 0.44873 |
| 419 | NEW AGE ALUMINIUM INDUSTRIES SDN. BHD. | SEBAHAGIAN NO 510, JALAN TUDM, KG BARU SUBANG, 40150 DAERAH SHAH ALAM, NEGERI SELANGOR | Jan-22 | Jan-42 | 0.56079 |
| 420 | NEW AGE RESOURCES SDN. BHD. | SEBAHAGIAN NO. LOT 42506, MUKIM SUNGAI BULUH, DAERAH PETALING, 40150 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.11997 |
| 421 | NGEE TECK HUAT FARMING SDN. BHD. | SEBAHAGIAN PT MLO 2572, LOT 7006, JALAN SELONG JAYA 1, MUKIM TEBRAU, 81400 DAERAH SENAI, NEGERI JOHOR | Oct-22 | Oct-32 | 0.5078 |
| 422 | NIHON SUPERIOR (M) SDN. BHD. | SEBAHAGIAN NO. LOT PT 80018, MUKIM HULU KINTA, DAERAH KINTA, 30020 NEGERI PERAK | Sep-22 | Sep-32 | 0.1358 |
| 423 | NIRVANA MEMORIAL PARK (SHAH ALAM) SDN. BHD. | JIRAT CINA, PSN PERKILANGAN, SHAH ALAM SHAH ALAM 40200 SELANGOR | Oct-22 | Oct-32 | 0.3 |
| 424 | NIRWANA MAJU SDN. BHD. | SEBAHAGIAN LOT 110266, MUKIM KUALA KUANTAN, 25150 KUANTAN, PAHANG | Apr-22 | Apr-32 | 0.2516 |
| 425 | NISSHO PRECISION (MALAYSIA) SDN. BHD. | LOT 2785 MUKIM 07 SEBERANG PERAI SELATAN 14300 PULAU PINANG | Jun-22 | Jun-32 | 0.1307 |
| 426 | NMC FISHERY SDN. BHD. | LOT 17328 MUKIM 14 SEBERANG PRAI TENGAH 14000 PULAU PINANG | Dec-22 | Dec-32 | 0.266 |
| 427 | NOBLE LAND HOLDINGS (M) SDN. BHD. | SEBAHAGIAN NO. LOT 1888 & PT 30940, MUKIM CHERAS, DAERAH HULU LANGAT, 43300 NEGERI SELANGOR | Aug-22 | Aug-32 | 0.90072 |
| 428 | NOLEK SDN. BHD. | PLOT 301(C) 15345, PENANG SCIENCE PARK, BUKIT MINYAK, SEBAHAGIAN MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14000 NEGERI PULAU PINANG | Mar-22 | Mar-42 | 0.16408 |
| 429 | NORTHERN SOLAR SDN. BHD. | LOT PT 59871, MUKIM KUALA KUANTAN, DAERAH KUANTAN, NEGERI PAHANG | Jan-22 | Jan-42 | 0.21948 |
| 430 | NORTHERN SOLAR SDN. BHD. | LOT 9784, MUKIM BUKIT BARU, DAERAH MELAKA TENGAH, NEGERI MELAKA | Mar-22 | Mar-32 | 0.5038 |
| 431 | NORTHERN SOLAR SDN. BHD. | DI LOT 9784, MUKIM BUKIT BARU, DAERAH MELAKA TENGAH, NEGERI MELAKA | Mar-22 | Mar-32 | 0.2635 |
| 432 | NORTHERN SOLAR SDN. BHD. | NO 13, JALAN INDUSTRI 3, TMN PERINDUSTRIAN TEMERLOH, MENTAKAB 28400 PAHANG | Jun-22 | Jun-32 | 0.2516 |
| 433 | NORTHERN SOLAR SDN. BHD. | SEBAHAGIAN NO. LOT PTD 20372, MUKIM ULU BENUT, DAERAH KLUANG, 86200 NEGERI JOHOR | Aug-22 | Aug-32 | 0.24948 |
| 434 | NP LEAKLESS (M) SDN. BHD. | NO 138 JLN TIMUR 2 KAW PERUSAHAAN MERGONG, MERGONG ALOR SETAR 05050 KEDAH | Oct-22 | Oct-32 | 0.1324 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|---|-----------------------------------|-----------------------------------|--|
| 435 | NUTRIGREAT SDN. BHD. | PT 1198, JALAN JERANTUT, KAWASAN PERINDUSTRIAN SONGSANG SONGSANG TEMERLOH 28000 PAHANG | Dec-22 | Dec-32 | 0.3359 |
| 436 | OCEAN PACIFIC SEAFOOD & MEAT SDN. BHD. | LOT 159721 MUKIM TEBRAU JOHOR BAHRU 81100 JOHOR | Dec-22 | Dec-32 | 0.1157 |
| 437 | OCEAN ROTO MOULDING SDN. BHD. | SEBAHAGIAN LOT PT 21744, MUKIM IJOK, DAERAH KUALA SELANGOR, 45600 NEGERI SELANGOR | Jul-22 | Jul-32 | 0.4482 |
| 438 | OH TUNG SANG HARDWARE SDN. BHD. | SEBAHAGIAN PT 712 & 713, MUKIM PEKAN SUBANG, 40150 DAERAH PETALING, NEGERI SELANGOR | Jul-22 | Jul-32 | 0.2102 |
| 439 | ONE AUTO WORLDWIDE (M) SDN. BHD. | LOT 4433, MUKIM CHENG, DAERAH MELAKA TENGAH, 75250 NEGERI MELAKA | Mar-22 | Mar-32 | 0.1376 |
| 440 | ONE AUTO WORLDWIDE (M) SDN. BHD. | 4434 CHENG MELAKA TENGAH 75250 MELAKA | Jun-22 | Jun-32 | 0.2096 |
| 441 | ONITEK GLOBAL SDN. BHD. | 15724 TANGKAK LEFANG 84900 JOHOR | May-22 | May-32 | 0.1751 |
| 442 | NUR GENERATION SDN. BHD. | SEBAHAGIAN PT 691, MUKIM PANCHOR, 16100 DAERAH JAJAHAN KOTA BHARU, NEGERI KELANTAN | Jun-22 | Jun-32 | 0.1655 |
| 443 | ORIENTAL FOOD INDUSTRIES SDN. BHD. | LOT 2351 BUKIT KATIL MELAKA TENGAH 75450 MELAKA | Sep-22 | Sep-42 | 0.492 |
| 444 | ORIENTAL FOOD INDUSTRIES SDN. BHD. | LOT 4248 BUKIT KATIL MELAKA TENGAH 75450 MELAKA | Sep-22 | Sep-42 | 0.36384 |
| 445 | ORNAPAPER INDUSTRY (M) SDN. BHD. | SEBAHAGIAN NO PT 4949, MUKIM BACHANG, 75350 DAERAH MELAKA TENGAH, NEGERI MELAKA | Jan-22 | Jan-32 | 0.5723 |
| 446 | OXFORD BOND SDN. BHD. | NO 18, JLN PKNK 3/5 TMN RIA JAYA SUNGAI PETANI 08000 KEDAH | May-22 | May-32 | 0.21 |
| 447 | P.J.PLAZA DEVELOPMENT SDN. BHD. | LOT 3034, MUKIM JITRA, DAERAH KUBANG PASU, 06000 NEGERI KEDAH | Jan-22 | Jan-42 | 0.425 |
| 448 | PACIFIC TRUSTEES BERHAD | LOT 28861, MUKIM JERAM BATU, DAERAH KOTA TINGGI, 81900 KOTA TINGGI NEGERI JOHOR | Jan-22 | Jan-42 | 0.21 |
| 449 | PACIFIC WEST FOODS (M) SDN. BHD. | LOT 952, MUKIM BANDAR KUNDANG, DAERAH GOMBAK, NEGERI SELANGOR | Jan-22 | Jan-32 | 0.1112 |
| 450 | PAN NORTH PLASTIC INDUSTRIES SDN. BHD. | PT 62 & 162 MUKIM 13 SEBERANG PERAI TENGAH 14000 PULAU PINANG | Jul-22 | Jul-32 | 0.2493 |
| 451 | PANTECH STEEL INDUSTRIES SDN. BHD. | LOT 23190, 23191 MUKIM KAPAR, DAERAH KLANG, NEGERI SELANGOR | Dec-22 | Dec-32 | 1.46932 |
| 452 | PARKSERM MARKETING SDN. BHD. | 52A SOLOK PERUSAHAAN 3 PERAI 13600 PULAU PINANG | Jun-22 | Jun-42 | 0.11 |
| 453 | PE PLUS INDUSTRIES SDN. BHD. | LOT 97743 KLANG TELOK GONG 42000 SELANGOR | Oct-22 | Oct-32 | 0.53 |
| 454 | PECCA LEATHER SDN. BHD. | PT 2034 BANDAR SUNGAI BULOH KUALA LUMPUR 52200 WILAYAH PERSEKUTUAN | Feb-22 | Feb-32 | 0.221 |
| 455 | PEN-CLASSIC INDUSTRIES SDN. BHD. | SEBAHAGIAN NO. LOT 4283, TEMPAT JALAN BUKIT PANCHOR, MUKIM 07, DAERAH SEBERANG PERAI, NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.4725 |
| 456 | PENGURUSAN AIR PAHANG BERHAD (PAIP) | 114941 KUALA KUANTAN KUANTAN 25200 PAHANG | Oct-22 | Oct-32 | 0.253 |
| 457 | PERCETAKAN TENAGA SDN. BHD. | SEBAHAGIAN LOT 57262 & LOT 57263, BANDAR KEPONG, 52200 DAERAH GOMBAK, SELANGOR | Oct-22 | Oct-32 | 0.4491 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|---|-----------------------------------|-----------------------------------|--|
| 458 | PERCETAKAN TENAGA SDN. BHD. | SEBAHAGIAN LOT 66907, BATU 11, JALAN KUALA SELANGOR, BANDAR SUNGAI BULOH, 52200 DAERAH GOMBAK, SELANGOR | Oct-22 | Oct-32 | 0.4453 |
| 459 | PERKAYUAN GAGASAN PADU SDN. BHD. | PT 12556 MUKIM BUKIT PAYUNG MARANG 21040 TERENGGANU | Jul-22 | Jul-32 | 0.1551 |
| 460 | PERMATA UPAYA (M) SDN. BHD. | SEBAHAGIAN LOT 1228, 61 1/2 M.S BENTA KUANTAN ROAD, MUKIM PEDAH, 27150 DAERAH JERANTUT, PAHANG | Jan-22 | Jan-42 | 0.4 |
| 461 | PERUSAHAAN SINDI SDN. BHD. | LOT 21602, BANDAR SUNGAI PETANI, DAERAH KUALA MUDA, NEGERI KEDAH | Mar-22 | Mar-32 | 0.5998 |
| 462 | PESTECH SDN. BHD. | LOT 9366, SEKSYEN 20, BANDAR SERENDAH, 48300 DAERAH ULU SELANGOR, NEGERI SELANGOR | May-22 | May-32 | 0.189 |
| 463 | PETRONAS POWER SDN. BHD. | NO. LOT 9764, MUKIM BATU RAKIT, DAERAH KUALA TERENGGANU, NEGERI TERENGGANU | Dec-22 | Dec-32 | 1.0422 |
| 464 | PETRONAS POWER SDN. BHD. | NO. LOT 9764, MUKIM BATU RAKIT, DAERAH KUALA TERENGGANU, NEGERI TERENGGANU | Dec-22 | Dec-32 | 0.3115 |
| 465 | PG LEAN HWA TRADING SDN. BHD. | SEBAHAGIAN NO. LOT 1441, MUKIM 12, DAERAH SEBERANG PERAI SELATAN, 14200 PULAU PINANG | Jan-22 | Jan-42 | 0.59513 |
| 466 | PINE & HILL WOOD PRODUCTS SDN. BHD. | SEBAHAGIAN LOT 2005, MUKIM TANJONG MINYAK, 75260 DAERAH MELAKA TENGAH, NEGERI MELAKA | Dec-22 | Dec-32 | 0.2795 |
| 467 | PLASTICO SDN. BHD. | PTD 87591 MUKIM SENAI KULAI 81400 JOHOR | Oct-22 | Oct-32 | 0.3456 |
| 468 | PLASTONE TECHNOLOGY PACKAGING SDN. BHD. | SEBAHAGIAN NO. PT 613, SEKSYEN 16, BANDAR SHAH ALAM, DAERAH PETALING, NEGERI SELANGOR | Jan-22 | Jan-42 | 0.33265 |
| 469 | PLUS XNERGY ASSETS SDN. BHD. | SEBAHAGIAN LOT 1 SEKSYEN 6, MUKIM BANDAR GURUN, 08300 DAERAH KUALA MUDA, KEDAH | Nov-22 | Nov-32 | 0.7555 |
| 470 | PMM COMPONENTS SDN. BHD. | SEBAHAGIAN LOT 69267, MUKIM KLANG, 40460 DAERAH KLANG, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.3019 |
| 471 | PMM COMPONENTS SDN. BHD. | SEBAHAGIAN PT 56278, MUKIM KLANG, 40460 DAERAH KLANG, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.3024 |
| 472 | POLYPLAS SDN. BHD. | SEBAHAGIAN NO. LOT 7718, MUKIM 14, DAERAH SEBERANG PERAI TENGAH, 14000 NEGERI PULAU PINANG | May-22 | May-32 | 0.27432 |
| 473 | POLYSPLIT INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 31805, MUKIM PEKAN SENAWANG, 47301 DAERAH SEREMBAN, NEGERI SEMBILAN | Dec-22 | Dec-32 | 0.3183 |
| 474 | POTAGLAS MALAYSIA SDN. BHD. | LOT 10077, MUKIM BENTONG, DAERAH BENTONG, NEGERI PAHANG. | Jan-22 | Jan-42 | 0.18725 |
| 475 | POWER PAPER & PACKAGING SDN. BHD. | NO 13 LOT 11232, JLN TIAJ 2/9, TMN INDUSTRI ALAM JAYA, 42300 BANDAR PUNCAK ALAM, SELANGOR DARUL EHSAN MUKIM JERAM KUALA SELANGOR 42300 SELANGOR | Nov-22 | Oct-32 | 0.15 |
| 476 | POWER ROOT(M) SDN. BHD. | SEBAHAGIAN PTD 199363, MUKIM PLENTONG, 81750 JOHOR BAHRU, JOHOR | Mar-22 | Mar-42 | 0.5735 |
| 477 | POWER STEEL AND ELECTRO - PLATING WORKS SDN. BHD. | SEBAHAGIAN PT 59/74, MUKIM BANDAR SHAH ALAM, 40200 DAERAH PETALING, NEGERI SELANGOR | Apr-22 | Apr-32 | 0.3231 |
| 478 | POWERMATICS HYDRAULICS & ENGINEERING (M) SDN. BHD. | NO. PT 17301, MUKIM KAPAR, DAERAH KLANG, 41050 NEGERI SELANGOR. | Jan-22 | Jan-42 | 0.15 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--------------------------------------|---|-----------------------------------|-----------------------------------|--|
| 479 | PRAISE ACRES SDN. BHD. | PT 2553 JALAN JERANTUT KAWASAN PERINDUSTRIAN SONGSANG TEMERLOH 28000 PAHANG | Oct-22 | Oct-32 | 0.3559 |
| 480 | PREMIER PLASTIC INDUSTRY SDN. BHD. | SEBAHAGIAN PTD 204684, ULU TIRAM, MUKIM PLENTONG, 81800 JOHOR BAHRU, JOHOR | May-22 | May-32 | 0.1393 |
| 481 | PRESS METAL ALUMINIUM RODS SDN. BHD. | SEBAHAGIAN LOT 47242, MUKIM BANDAR JOHOR BAHRU, 81200 DAERAH JOHOR BAHRU | Dec-22 | Dec-32 | 0.9699 |
| 482 | PRESTAR PRECISION TUBE SDN. BHD. | LOT 1298 MUKIM RAWANG GOMBAK 48000 SELANGOR | Jun-22 | Jun-42 | 0.33652 |
| 483 | PRESTAR PRECISION TUBE SDN. BHD. | LOT 1298 MUKIM RAWANG GOMBAK 48000 SELANGOR | Jun-22 | Jun-32 | 0.9229 |
| 484 | PRESTAR PRECISION TUBE SDN. BHD. | SEBAHAGIAN NO. LOT 1298, MUKIM RAWANG, DAERAH GOMBAK, 48000 NEGERI SELANGOR | Jan-22 | Jan-42 | 1.3498 |
| 485 | PRESTAR STORAGE SYSTEM SDN. BHD. | SEBAHAGIAN LOT 202 SEKSYEN 19, BANDAR RAWANG, 48000 DAERAH GOMBAK, SELANGOR | Jun-22 | Jun-42 | 0.33652 |
| 486 | PRESTIGE PACKAGES SDN. BHD. | PTD 65029, PTD 8856, LOT 77192, PTD 87570, MUKIM SENAI KULAIJAYA, 81400 JOHOR | Nov-22 | Nov-32 | 0.9357 |
| 487 | PRIMA ANJUNG SDN. BHD. | SEBAHAGIAN LOT 5465, MUKIM JORAK, 84600 DAERAH MUAR, NEGERI JOHOR | Jun-22 | Jun-42 | 0.2371 |
| 488 | PROJEK LEBUHRAYA USAHASAMA BERHAD | SEBAHAGIAN NO. 2A, MUKIM TANJUNG 12, DAERAH KUALA LANGAT, 43900 SELANGOR | Jan-22 | Jan-42 | 0.44264 |
| 489 | PROJEK LEBUHRAYA USAHASAMA BERHAD | LOT 4050 GADEK ALOR GAJAH 78000 MELAKA | Oct-22 | Oct-32 | 0.4506 |
| 490 | PROJEK LEBUHRAYA USAHASAMA BERHAD | GUNUNG SEMANGGOL GUNUNG SEMANGGOL 34400 PERAK | Oct-22 | Oct-32 | 0.2077 |
| 491 | PROJEK LEBUHRAYA USAHASAMA BERHAD | DENGKIL SEPANG 43900 SELANGOR | Mar-22 | Mar-32 | 0.3819 |
| 492 | PROJEK LEBUHRAYA USAHASAMA BERHAD | PLUS SG. BULOH R&R, LRAYA UTARA SELATAN (ARAH UTARA) SG BULOH, 47000 SUNGAI BULOH, SELANGOR | Mar-22 | Mar-32 | 0.4699 |
| 493 | PROMOOI PLASTIC INDUSTRIES SDN. BHD. | SEBAHAGIAN PT 311, MUKIM 13, 14000 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.3203 |
| 494 | PROSPECT DOCKYARD SDN. BHD. | NO. PT 1087, TANJUNG GEMOK, MUKIM ENDAU, DAERAH KUALA ROMPIN, 26820 NEGERI PAHANG | Apr-22 | Apr-32 | 0.4752 |
| 495 | PUNCAK SELOKA SDN. BHD. | SEBAHAGIAN PT 23532, BANDAR SUNGAI PETANI, 08000 DAERAH KUALA MUDA, KEDAH | Mar-22 | Mar-42 | 1.92904 |
| 496 | PWF FARMS SDN. BHD. | LOT 1770, MUKIM SUNGAI BATU, DAERAH BANDAR BAHARU, 09810 NEGERI KEDAH | Jun-22 | Jun-32 | 0.6002 |
| 497 | PWF FARMS SDN. BHD. | LOT 6378, MUKIM HULU SELAMA, DAERAH SELAMA, 34140 NEGERI PERAK | Mar-22 | Mar-32 | 0.4004 |
| 498 | Q-FIT SDN. BHD. | LOT186193 MUKIM HULU KINTA KINTA, 30020 PERAK | Jan-22 | Jan-42 | 0.338 |
| 499 | QL ANSAN POULTRY FARM SDN. BHD. | SEBAHAGIAN NO. LOT 2051, PEKAN SUNGAI KARANGAN, DAERAH KULIM, NEGERI KEDAH | Jan-22 | Jan-32 | 0.5599 |
| 500 | QL ANSAN POULTRY FARM SDN. BHD. | SEBAHAGIAN NO. LOT 2051, MUKIM PEKAN SUNGAI KARANGAN, DAERAH KULIM, 09400 NEGERI KEDAH | Aug-22 | Aug-32 | 0.3367 |
| 501 | QL ANSAN POULTRY FARM SDN. BHD. | SEBAHAGIAN NO. LOT 2053, MUKIM SIDAM KANAN, DAERAH KULIM, 09400 NEGERI KEDAH | Jul-22 | Jul-32 | 0.1121 |
| 502 | QL ANSAN POULTRY FARM SDN. BHD. | SEBAHAGIAN NO. LOT 2051, MUKIM PEKAN SUNGAI KARANGAN, DAERAH KULIM, 09400 NEGERI KEDAH | Aug-22 | Aug-32 | 0.6733 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 503 | QUILL SOLAR SDN. BHD. | SEBAHAGIAN NO PT 266, MUKIM DAMANSARA, 40000 DAERAH PETALING, SELANGOR | Jul-22 | Jul-42 | 0.18 |
| 504 | RANBAXY (MALAYSIA) SDN. BHD. | SEBAHAGIAN NO PT 3409 (PLOT 23), BAKAR ARANG, MUKIM SUNGAI PASIR, 08000 DAERAH KUALA MUDA, KEDAH | Oct-22 | Oct-32 | 0.5521 |
| 505 | RAPID GROWTH TECHNOLOGY SDN. BHD. | SEBAHAGIAN LOT 7052 & LOT 6836, MUKIM 13, 14000 SEBERANG PERAI TENGAH, PULAU PINANG | Jul-22 | Jul-32 | 0.5506 |
| 506 | RAY GO SOLAR POWER SDN. BHD. | SEBAHAGIAN PT 11793, MUKIM KLANG, 42000 DAERAH KLANG, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.1253 |
| 507 | REEFER LOGISTICS SDN. BHD. | PT NO 65745 MUKIM KELANG KLANG 42000 SELANGOR | Dec-22 | Dec-32 | 0.3991 |
| 508 | RENOSUN SDN. BHD. | NO PT827, MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14000 KEDAH | Jan-22 | Jan-42 | 0.428 |
| 509 | RESERVOIR LINK RENEWABLE SDN. BHD. | LOT 79 IUUK KUALA SELANGOR 45620 SELANGOR | Oct-22 | Oct-32 | 0.129 |
| 510 | RESERVOIR LINK RENEWABLE SDN. BHD. | LOT 79, BUKIT BADONG ROAD, MUKIM IJOK, DAERAH KUALA SELANGOR, 45620 SELANGOR | Oct-22 | Oct-32 | 0.174 |
| 511 | RESPACK MANUFACTURING SDN. BHD. | NO. PT 8565, BAKAR ARANG, MUKIM BANDAR SUNGAI PETANI, DAERAH KUALA MUDA, NEGERI KEDAH | Jan-22 | Jan-42 | 0.4004 |
| 512 | RESPACK MANUFACTURING SDN. BHD. | SEBAHAGIAN NO. PT 8564, TEMPAT BAKAR ARANG, BANDAR SUNGAI PETANI, DAERAH KUALA MUDA, NEGERI KEDAH | Jan-22 | Jan-42 | 0.42364 |
| 513 | REVOTECH ELECTRICAL SDN. BHD. | LOT 2697, MUKIM KLANG, DAERAH KLANG, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.1652 |
| 514 | RICO FOOD INDUSTRIES SDN. BHD. | LOT 3684, BANDAR LUNAS, DAERAH KULIM, 09600 NEGERI KEDAH | Apr-22 | Apr-32 | 0.1152 |
| 515 | RICO FOOD INDUSTRIES SDN. BHD. | LOT 3685 BANDAR LUNAS KULIM 09600 KEDAH | Jun-22 | Jun-32 | 0.1767 |
| 516 | 516RK SOUTH ASIA SDN. BHD. | SEBAHAGIAN PT 1078, MUKIM LRG PERUSAHAAN 10, 13600 DAERAH PERAI, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.6452 |
| 517 | ROMPIN FISHERY TRADING SDN. BHD. | JETI IKAN, LOT 614, TK GADING MUKIM ENDAU, KG TG GEMOK, 26820 KUALA ROMPIN, PAHANG MUKIM ENDAU ROMPIN 26820 PAHANG | Jul-22 | Jul-32 | 0.36 |
| 518 | RUBBEREX ALLIANCE SDN. BHD. | SEBAHAGIAN LOT 351408, MUKIM HULU KINTA, 31400 DAERAH KINTA, PERAK | Jul-22 | Jun-32 | 0.7435 |
| 519 | S. KIAN SENG SDN. BHD. | SEBAHAGIAN PT 721, MUKIM DAMANSARA, 47610 DAERAH PETALING, NEGERI SELANGOR | Aug-22 | Aug-32 | 1.0015 |
| 520 | SAG GREEN TECH SDN. BHD. | LOT 5 JALAN INDUSTRY 3/4, RAWANG INTEGRATED INDUSTRIAL PARK, RAWANG 48000 SELANGOR | Sep-22 | Sep-32 | 0.4166 |
| 521 | SAG GREEN TECH SDN. BHD. | PT 1160, KUALA BIKAM, MUKIM SUNGKAI, DAERAH BATANG PADANG, NEGERI PERAK | Dec-22 | Dec-32 | 0.5363 |
| 522 | SAG GREEN TECH SDN. BHD. | PT 18662, MUKIM KAMPAR, DAERAH KAMPAR, NEGERI PERAK | Dec-22 | Dec-32 | 0.451 |
| 523 | SAMAIDEN CAPITAL MANAGEMENT SDN. BHD. | LOT 65430 PEKAN BARU SUNGAI BULOH PETALING 47810 SELANGOR | Oct-22 | Oct-32 | 0.5522 |
| 524 | SANKYU HUMAN RESOURCE & TECHNICAL DEVELOPMENT (SOUTHEAST ASIA) SDN. BHD. | SEBAHAGIAN PTD 203244, MUKIM PULAI, 79250 DAERAH JOHOR BAHRU, NEGERI JOHOR | Nov-22 | Nov-32 | 0.1027 |
| 525 | SB TAPE GROUP SDN. BHD. | SEBAHAGIAN PT 55779, MUKIM CHERAS, 43300 HULU LANGAT, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.5145 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 526 | SCHENKER LOGISTICS (MALAYSIA) SDN. BHD. | LOT 4890, MUKIM 12, DAERAH BARAT DAYA, 11950 NEGERI PULAU PINANG | Feb-22 | Feb-32 | 0.3533 |
| 527 | SCOPE MANUFACTURERS (M) SDN. BHD. | SEBAHAGIAN LOT 10123, MUKIM PARIT BUNTAR, 34200 DAERAH KERIAN, PERAK | Jul-22 | Jul-32 | 0.5142 |
| 528 | SEKOLAH MENENGAH CHUNG HUA (PERSENDIRIAN) | SEBAHAGIAN LOT 67 SEKSYEN 20, MUKIM BANDAR KLANG, 41200 DAERAH KLANG, SELANGOR | Jul-22 | Jul-32 | 0.4202 |
| 529 | SEKOLAH MENENGAH HIN HUA | SEBAHAGIAN LOT 6783, MUKIM KLANG, 41200 DAERAH KLANG, SELANGOR | Mar-22 | Mar-42 | 0.2304 |
| 530 | SEKOLAH MENENGAH HIN HUA | SEBAHAGIAN LOT 6783, MUKIM KLANG, 41200 DAERAH KLANG, SELANGOR | Mar-22 | Mar-42 | 0.1224 |
| 531 | SEKOLAH MENENGAH KEAT HWA (PERSENDIRIAN) | SEBAHAGIAN LOT 5315 PENGKALAN KUNDUR KOTA SETAR 05050 KEDAH | Mar-22 | Mar-42 | 0.26982 |
| 532 | SEKOLAH MENENGAH KWANG HUA (PERSENDIRIAN) | SEBAHAGIAN LOT 6316, MUKIM KAPAR, 41150 DAERAH KLANG, SELANGOR | Jul-22 | Jul-32 | 0.1423 |
| 533 | SEKOLAH MENENGAH PAY FONG | SEBAHAGIAN LOT 200, MUKIM KAWASAN BANDAR VII, 75300 DAERAH MELAKA TENGAH, NEGERI MELAKA | Feb-22 | Feb-42 | 0.47487 |
| 534 | SEKOLAH MENENGAH PERSENDIRIAN CHONG HWA | 43356 BATU KUALA LUMPUR 51100 WILAYAH PERSEKUTUAN | Mar-22 | Mar-32 | 0.3186 |
| 535 | SEKOLAH MENENGAH PIN HWA (PERSENDIRIAN) | SEBAHAGIAN LOT 1885 & 1887, LOT 111, MUKIM KAPAR, 41150 DAERAH KLANG, SELANGOR | May-22 | May-32 | 0.445 |
| 536 | SELASIH AMAN SDN. BHD. | SEBAHAGIAN LOT 1539, LOT 475, LOT 1540, LOT 1538, LOT 1537, LOT 1535, LOT 1536, MUKIM SUNGAI GUMUT, 44100 DAERAH ULU SELANGOR, NEGERI SELANGOR | Sep-22 | Sep-42 | 0.53768 |
| 537 | SELASIH AMAN SDN. BHD. | SEBAHAGIAN LOT 1539, LOT 475, LOT 1540, LOT 1538, LOT 1537, LOT 1535, LOT 1536, MUKIM SUNGAI GUMUT, 44100 DAERAH ULU SELANGOR, NEGERI SELANGOR | Sep-22 | Sep-42 | 0.46288 |
| 538 | SEMS SDN. BHD. | SEBAHAGIAN NO. LOT 3258, MUKIM BERANANG, DAERAH ULU LANGAT, 43700 SELANGOR | Dec-22 | Dec-32 | 0.15582 |
| 539 | SENAWANG ZEMART SDN. BHD. | SEBAHAGIAN PT 6721, PERSIARAN BUNGA TANJUNG 2, MUKIM PEKAN SENAWANG, 70450 DAERAH SEREMBAN, NEGERI SEMBILAN | Sep-22 | Sep-32 | 0.1249 |
| 540 | SENAWANG ZEMART SDN. BHD. | SEBAHAGIAN PT 6721, PERSIARAN BUNGA TANJUNG 2, MUKIM PEKAN SENAWANG, 70450 DAERAH SEREMBAN, NEGERI SEMBILAN | Sep-22 | Sep-32 | 0.506 |
| 541 | SERBA WANGI (PERAK) SDN. BHD. | LOT 47084 MUKIM HULU KINTA KINTA 31550 PERAK | Jan-22 | Jan-42 | 0.57352 |
| 542 | SERBA WANGI SDN. BHD. | SEBAHAGIAN NO. PT 2154, TEMPAT BUKIT RAYA, MUKIM BUKIT RAYA, DAERAH PENDANG, NEGERI KEDAH | Jan-22 | Jan-42 | 0.6732 |
| 543 | SERBA WANGI SDN. BHD. | PT 1628, MUKIM BUKIT RAYA, DAERAH PENDANG, 06700 NEGERI KEDAH | Jan-22 | Jan-42 | 0.673 |
| 544 | SERBA WANGI SDN. BHD. | PT 1628, MUKIM BUKIT RAYA, DAERAH PENDANG, 06700 NEGERI KEDAH | Jan-22 | Jan-42 | 0.23422 |
| 545 | SERBA WANGI SDN. BHD. | PT 1628, MUKIM BUKIT RAYA, DAERAH PENDANG, 06700 NEGERI KEDAH | Jan-22 | Jan-42 | 0.2852 |
| 546 | SERBA WANGI SDN. BHD. | PT 1628, MUKIM BUKIT RAYA, DAERAH PENDANG, 06700 NEGERI KEDAH | Jan-22 | Jan-42 | 0.24157 |
| 547 | SERI ZENITH ENGINEERING SDN. BHD. | SEBAHAGIAN PT 14789, MUKIM BERANANG, 43700 DAERAH ULU LANGAT, SELANGOR | Apr-22 | Apr-32 | 0.2759 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 548 | SETIA AWAN PROPERTIES SDN. BHD. | LOT 15651, BANDAR SRI ISKANDAR, DAERAH PERAK TENGAH, 32600 NEGERI PERAK | Jan-22 | Jan-42 | 0.557 |
| 549 | SG STRAITS INTERNATIONAL EDUCATION SDN. BHD. | 71416 12 BARAT DAYA 11900 PULAU PINANG | Oct-22 | Oct-32 | 0.1008 |
| 550 | SHARIKAT KILANG SERBOK IKAN (ASIA) SDN. BHD | SEBAHAGIAN PT 3690, MUKIM BANDAR KUALA KEDAH, 06600 DAERAH KOTA SETAR, NEGERI KEDAH | Dec-22 | Dec-32 | 0.1546 |
| 551 | SHENG KIMN HONG SDN. BHD. | 981 MUKIM 16 SEBERANG PERAI UTARA 13800 PULAU PINANG | Mar-22 | Mar-42 | 0.4401 |
| 552 | SHENG TAT FARMING SDN. BHD. | SEBAHAGIAN NO. LOT 4300, MUKIM SUNGAI TINGGI, DAERAH LARUT & MATANG, 34800 NEGERI PERAK | Jan-22 | Jan-32 | 0.2202 |
| 553 | SIANG POH KNITTING SDN. BHD. | LOT 14, JLN BATU ARANG RAWANG INTEGRATED INDUSTRIAL PARK RAWANG 48000 SELANGOR | Oct-22 | Oct-32 | 0.4501 |
| 554 | SIDNEY INDUSTRIES SDN. BHD. | PT 142724, MUKIM HULU KINTA, 30020 DAERAH KINTA, NEGERI PERAK | Jul-22 | Jul-32 | 0.4446 |
| 555 | SIMPEE HUAT COLD STORAGE SDN. BHD. | LOT PT31113 BATU 9, JALAN RAWANG MUKIM DAERAH GOMBAK BATU CAVES SELANGOR DAERAH GOMBAK BATU CAVES 68100 SELANGOR | Oct-22 | Oct-32 | 0.327 |
| 556 | SIN LINE TEK ELECTRONIC CO. SDN. BHD. | SEBAHAGIAN PT 464, 9TH MILE KLANG RD, PEKAN TELUK, 42500 KUALA LANGAT, SELANGOR | May-22 | May-32 | 0.27 |
| 557 | SIN MAH ENGINEERING SDN. BHD. | PT 9188 SEKSYEN 16, BANDAR ALOR SETAR, MUKIM KOTA SETAR, 05200 NEGERI KEDAH | Jan-22 | Jan-42 | 0.649 |
| 558 | SIN SING COFFEE SDN. BHD. | SEBAHAGIAN NO. LOT 4878, MUKIM CHENG, 75260 MELAKA TENGAH, NEGERI MELAKA | Jan-22 | Jan-32 | 0.1102 |
| 559 | SIN SING COFFEE SDN. BHD. | SEBAHAGIAN LOT 4876, MUKIM CHENG, 75260 MELAKA TENGAH, NEGERI MELAKA | Apr-22 | Apr-32 | 0.1483 |
| 560 | SINCERELY DYEING & FINISHING SDN. BHD. | PTD 29029, MUKIM SIMPANG KANAN, DAERAH BATU PAHAT, NEGERI JOHOR | May-22 | May-32 | 0.5724 |
| 561 | SKB SHUTTERS MANUFACTURING SDN. BHD. | PT 9925, PEKAN BARU SUNGAI BULOH, 47810 DAERAH PETALING, NEGERI SELANGOR | Nov-22 | Oct-32 | 0.5607 |
| 562 | SKI ED COATING SDN. BHD. | SEBAHAGIAN PT 17002 SEKSYEN 20, MUKIM BANDAR SERENDAH, DAERAH HULU SELANGOR, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.2797 |
| 563 | SLL MACHINERY HARDWARE SDN. BHD. | PT 965 MUKIM HULU KINTA KINTA 31400 PERAK | Oct-22 | Oct-32 | 0.253 |
| 564 | SMITHS DETECTION MALAYSIA SDN. BHD. | SEBAHAGIAN PTD 152692, MUKIM PULAI, 79200 DAERAH JOHOR BAHRU, NEGERI JOHOR | Sep-22 | Sep-32 | 0.4574 |
| 565 | SOLARCITY REIT SDN. BHD. | PT 35028 MUKIM DAMANSARA PETALING 47301 SELANGOR | Jun-22 | Jun-32 | 0.3526 |
| 566 | SOLARVEST ASSET MANAGEMENT SDN. BHD. | LOT 3358, 7TH MILE KAPAR ROAD, MUKIM KAPAR, DAERAH KLANG, 42200 SELANGOR | Sep-22 | Sep-42 | 0.57193 |
| 567 | SOLARVEST ASSET MANAGEMENT SDN. BHD. | LOT 3356, BATU 7 JALAN KAPAR, MUKIM KAPAR, DAERAH KLANG, 42200 SELANGOR | Sep-22 | Sep-42 | 0.5 |
| 568 | SOLARVEST ASSET MANAGEMENT SDN. BHD. | LOT 3360, 7TH MILE, KAPAR ROAD, MUKIM KAPAR, DAERAH KLANG, 42200 SELANGOR | Sep-22 | Sep-42 | 0.44089 |
| 569 | SOON CHEONG MARINE PRODUCTS SDN. BHD. | PT 14780 PEKAN PANDAMARAN KLANG 42000 SELANGOR | Aug-22 | Aug-32 | 0.4482 |
| 570 | SOON CHEONG MARINE PRODUCTS SDN. BHD. | LOT 202181, MUKIM HULU KINTA, 31500 DAERAH KINTA, NEGERI PERAK | Aug-22 | Aug-32 | 0.1958 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|---|-----------------------------------|-----------------------------------|--|
| 571 | SOUTHERN CABLE SDN. BHD | SEBAHAGIAN PT 6784, BANDAR KUALA KETIL, 09300 DAERAH BALING, KEDAH | Jul-22 | Jul-32 | 0.9291 |
| 572 | SOUTHERN CABLE SDN. BHD | SEBAHAGIAN PT 6784, BANDAR KUALA KETIL, 09300 DAERAH BALING, KEDAH | Jul-22 | Jul-32 | 0.5187 |
| 573 | SOUTHERN CABLE SDN. BHD | SEBAHAGIAN PT 5345, BANDAR KUALA KETIL, 09300 DAERAH BALING, KEDAH | Jul-22 | Jul-32 | 0.5305 |
| 574 | SOUTHERN CABLE SDN. BHD | SEBAHAGIAN LOT 5347, BANDAR BARU KETIL, 09300 DAERAH BALING, KEDAH | Jul-22 | Jul-32 | 0.5187 |
| 575 | STAR PLASTICS INDUSTRIAL COMPANY SDN. BHD. | PT1222 BANDAR NILAI UTAMA SEREMBAN 71800 NEGERI SEMBILAN | Nov-22 | Nov-32 | 0.5497 |
| 576 | STARTON INDUSTRIAL (M) SDN. BHD. | PT 30485 SUNGAI PETANI KUALA MUDA 08000 KEDAH | Jul-22 | Jul-32 | 0.2798 |
| 577 | STEP FURNITURE MANUFACTURER SDN. BHD. | LOT 3211, MUKIM BERNANG, 43700 DAERAH ULU LANGAT | Dec-22 | Dec-32 | 0.4415 |
| 578 | STEP FURNITURE MANUFACTURER SDN. BHD. | LOT 3211, MUKIM BERNANG, 43700 DAERAH ULU LANGAT | Dec-22 | Dec-32 | 0.3848 |
| 579 | STEP FURNITURE MANUFACTURER SDN. BHD. | SEBAHAGIAN NO. LOT 3219, MUKIM BERANANG, DAERAH ULU LANGAT, 43700 SELANGOR | Dec-22 | Dec-32 | 0.31392 |
| 580 | STEP FURNITURE MANUFACTURER SDN. BHD. | SEBAHAGIAN NO. LOT 3219, MUKIM BERANANG, DAERAH ULU LANGAT, 43700 SELANGOR | Dec-22 | Dec-32 | 0.31392 |
| 581 | STINIS MALAYSIA SDN. BHD. | SEBAHAGIAN NO. PTD 5736, MUKIM JELUTONG, DAERAH JOHOR BAHRU, 79200 NEGERI JOHOR | Sep-22 | Sep-32 | 0.20475 |
| 582 | SUCCESS CENTURY SDN. BHD. | LOT 678, MUKIM CHAAH BAHRU, DAERAH BATU PAHAT, 83700 JOHOR | Jan-22 | Jan-42 | 0.3366 |
| 583 | SUCCESS CENTURY SDN. BHD. | SEBAHAGIAN NO. LOT PTD 29431, MUKIM TANJUNG SEMBRONG, DAERAH BATU PAHAT, 83700 NEGERI JOHOR | Jan-22 | Jan-42 | 0.55936 |
| 584 | SUI HIN CHAN ENTERPRISE (M) SDN. BHD. | LOT 6123, JLN INDUSTRI 3/4, TMN PERINDUSTRIAN TEMERLOH, 28400 PAHANG | Dec-22 | Dec-32 | 0.2117 |
| 585 | SUN HIGH-TECH SDN. BHD. | LOT 65606 PEKAN SERDANG PETALING 43300 SELANGOR | Feb-22 | Feb-32 | 0.1377 |
| 586 | SUNATURE SDN. BHD. | PT 2683, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.5454 |
| 587 | SUNATURE SDN. BHD. | LOT 4713, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.88074 |
| 588 | SUNNY SKY VELOCITY SDN. BHD. | PT 1557, MUKIM 01, 13600 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Dec-22 | Dec-32 | 0.5941 |
| 589 | SUNNY SKY VELOCITY SDN. BHD. | PT 1559, MUKIM 01, 13600 DAERAH SEBERANG PERAI TENGAH | Dec-22 | Dec-32 | 0.4905 |
| 590 | SUNSHINE WHOLESALE MART SDN. BHD. | SEBAHAGIAN LOT 12125, MUKIM 12, 11900 DAERAH BARAT DAYA, NEGERI PULAU PINANG | Jan-22 | Jan-42 | 0.2375 |
| 591 | SUNWAY COLLEGE (KL) SDN. BHD. | SEBAHAGIAN NO. LOT PT 1904, MUKIM BANDAR SUNWAY, DAERAH PETALING, 47500 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.63072 |
| 592 | SUNWAY CONSTRUCTION SDN. BHD. | SEBAHAGIAN LOT 14002, MUKIM DENGKIL, 47130 SEPANG, SELANGOR | Jun-22 | Jun-42 | 0.28688 |
| 593 | SUNWAY ENGINEERING SDN. BHD. | SEBAHAGIAN PT 369, PEKAN BARU SUNGAI BULOH, 47810 DAERAH PETALING, SELANGOR | Dec-22 | Dec-32 | 0.2932 |
| 594 | SUNWAY ENGINEERING SDN. BHD. | 341, 342 & PLOT 1 MUKIM 09 SEBERANG PERAI SELATAN 14300 PULAU PINANG | Dec-22 | Dec-32 | 4.3248 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|---|-----------------------------------|-----------------------------------|--|
| 595 | SUNWAY PAVING SOLUTIONS SDN. BHD. | LOT 10071, MUKIM BATANG KALI, DAERAH ULU SELANGOR, 44300 NEGERI SELANGOR | Feb-22 | Feb-42 | 0.4418 |
| 596 | SUNWAY PAVING SOLUTIONS SDN. BHD. | LOT 10071, MUKIM BATANG KALI, DAERAH ULU SELANGOR, 44300 NEGERI SELANGOR | Feb-22 | Feb-42 | 0.3635 |
| 597 | SUNWAY PFM SDN. BHD. | SEBAHAGIAN LOT 165131, MUKIM PULAI, 79250 DAERAH JOHOR BAHRU, JOHOR | Jan-22 | Jan-42 | 0.55396 |
| 598 | SUNWAY PFM SDN. BHD. | LOT 41, MUKIM BANDAR SUNWAY, DAERAH PETALING, 47500 SELANGOR | Apr-22 | Apr-42 | 0.43076 |
| 599 | SUPER COWBOY SDN. BHD. | SEBAHAGIAN PT 3837, MUKIM CHENG, 75250 DAERAH MELAKA TENGAH, NEGERI MELAKA | Jan-22 | Jan-42 | 0.57375 |
| 600 | SUPER COWBOY WHOLESALE (BP) SDN. BHD. | SEBAHAGIAN PT 2523, MUKIM SIMPANG KANAN, 83000 DAERAH BATU PAHAT, NEGERI JOHOR | Jan-22 | Jan-42 | 0.56115 |
| 601 | SUPERCOMNET TECHNOLOGIES BERHAD | PT 30511 BANDAR SUNGAI PETANI KUALA MUDA 08000 KEDAH | Jul-22 | Jul-32 | 0.9018 |
| 602 | SUPERSPAN SDN. BHD. | SEBAHAGIAN PT 1286 & 1287, PEKAN TELUK, MUKIM TELUK PANGLIMA GARANG, 42500 DAERAH KUALA LANGAT, NEGERI SELANGOR | Feb-22 | Feb-42 | 0.304 |
| 603 | SUPPORTIVE TECHNOLOGY SDN. BHD. | SEBAHAGIAN PT 66400 & PT 66401, MUKIM B ANDAR SUNGAI PETANI, 08000 DAERAH KUALA MUDA, NEGERI KEDAH | Jul-22 | Jul-32 | 0.4806 |
| 604 | SUPREME EVA INDUSTRIES SDN. BHD. | LOT 7725 MUKIM KELEMAK ALOR GAJAH 78000 MELAKA | Aug-22 | Aug-32 | 0.4028 |
| 605 | SURIA PRESS (M) SDN. BHD. | PT 120, PEKAN SEKINCHAN, DAERAH SABAK BERNAM, 45400 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.185 |
| 606 | SUZUKACOAT (M) SDN. BHD. | LOT 6492 MUKIM KAPAR KLANG 42100 SELANGOR | Aug-22 | Aug-32 | 0.3456 |
| 607 | SWAN COATINGS (M) SDN. BHD. | SEBAHAGIAN PT 57356, MUKIM KLANG, 40460 DAERAH KLANG, SELANGOR | Nov-22 | Nov-32 | 0.1201 |
| 608 | SWIFT INTEGRATED LOGISTICS SDN. BHD. | PTD97072 TEBRAU JOHOR BAHRU 81100 JOHOR | May-22 | May-42 | 0.4001 |
| 609 | SYARIKAT CHUAN LEE RUBBER SDN. BHD. | LOT 1405 PEDAH JERANTUT 27000 PAHANG | Jun-22 | Jun-32 | 1.3997 |
| 610 | SYARIKAT FAIZA SDN. BHD. | SEBAHAGIAN PTD 47311 (PLOT 442), MUKIM SIMPANG KANAN, DAERAH BATU PAHAT, JOHOR | Jul-22 | Jun-32 | 0.4666 |
| 611 | SYARIKAT LOGAM UNITRADE SDN. BHD. | SEBAHAGIAN LOT 64220, MUKIM DAMANSARA, 40150 DAERAH PETALING, NEGERI SELANGOR | Sep-22 | Sep-32 | 0.6562 |
| 612 | SYARIKAT PENANAMAN BUKIT SENORANG SDN. BHD. | SEBAHAGIAN LOT 2223, MUKIM BERA, 28200 DAERAH BERA, PAHANG | Dec-22 | Dec-32 | 0.3634 |
| 613 | SYARIKAT SIN LONG HENG BREEDING FARM SDN. BHD. | LOT 242 MUKIM 03 SEBERANG PERAI SELATAN 14100 PULAU PINANG | Oct-22 | Oct-32 | 0.2284 |
| 614 | SYARIKAT TENAGA (GEMAS) SDN. BHD. | SEBAHAGIAN LOT 892 & 13240, MUKIM GEMAS, 73400 DAERAH TAMPIN, NEGERI SEMBILAN | Mar-22 | Mar-42 | 2.31 |
| 615 | SYARIKAT TENAGA (GEMAS) SDN. BHD. | SEBAHAGIAN LOT 892 & 13240, MUKIM GEMAS, 73400 DAERAH TAMPIN, NEGERI SEMBILAN | Mar-22 | Mar-42 | 0.41448 |
| 616 | SYARIKAT TENAGA (GEMAS) SDN. BHD. | SEBAHAGIAN LOT 892 & 13240, MUKIM GEMAS, 73400 DAERAH TAMPIN, NEGERI SEMBILAN | Mar-22 | Mar-42 | 0.57024 |
| 617 | SYARIKAT TENAGA (GEMAS) SDN. BHD. | SEBAHAGIAN LOT 892 & 13240, MUKIM GEMAS, 73400 DAERAH TAMPIN, NEGERI SEMBILAN | Mar-22 | Mar-42 | 0.3916 |
| 618 | SYARIKAT TENAGA (GEMAS) SDN. BHD. | SEBAHAGIAN LOT 892 & 13240, MUKIM GEMAS, 73400 DAERAH TAMPIN, NEGERI SEMBILAN | Mar-22 | Mar-42 | 0.57024 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 619 | SYARIKAT YOONG ONN SDN. BHD. | SEBAHAGIAN LOT 10611, LOT 10612 & LOT 10613, MUKIM SETUL, 71800 DAERAH SEREMBAN, NEGERI SEMBILAN | Oct-22 | Oct-32 | 0.5443 |
| 620 | SYARIKAT YOONG ONN SDN. BHD. | SEBAHAGIAN LOT 10671, MUKIM SETUL, 71800 DAERAH SEREMBAN, NEGERI SEMBILAN | Oct-22 | Oct-32 | 0.127 |
| 621 | SYDNEY CAKE HOUSE SDN. BHD. | PT 155097 MUKIM KLANG KLANG 42920 SELANGOR | Oct-22 | Oct-32 | 0.4471 |
| 622 | SYSTEM PROTECTION & MAINTENANCE SDN. BHD. | SEBAHAGIAN NO. LOT 18283, MUKIM JUGRA, 40150 DAERAH KUALA LANGAT, SELANGOR | Feb-22 | Feb-32 | 0.3499 |
| 623 | T & G METAL INDUSTRIES SDN. BHD. | LOT 2091, SUNGAI BUAIA, MUKIM TELUK PANGLIMA GARANG, KUALA LANGAT, SELANGOR. | Feb-22 | Feb-32 | 0.4196 |
| 624 | T-POT ELECTRICAL & ELECTRONICS SDN. BHD. | SEBAHAGIAN LOT PARKING BERTINGKAT (BLOK C), JALAN ANGGERIK AB 31/AB, SEKSYEN 31, KOTA KEMUNING, SHAH ALAM, SELANGOR | Mar-22 | Mar-32 | 0.1888 |
| 625 | T-PRIN PANEL SDN. BHD. | PT 219516, MUKIM HULU KINTA, 31400 DAERAH KINTA, NEGERI PERAK | Dec-22 | Dec-32 | 0.2006 |
| 626 | TAG FASTENERS SDN. BHD. | SEBAHAGIAN LOT 27, LOT 28 & LOT 29 SEKSYEN 11, PT 4637, BANDAR KULIM, 09600 DAERAH KULIM, KEDAH | Jul-22 | Jul-32 | 0.4266 |
| 627 | TAI WAH GARMENTS INDUSTRY SDN. BHD. | SEBAHAGIAN NO. LOT 9, MUKIM BANDAR KULAI, 81000 DAERAH KULAIJAYA, NEGERI JOHOR | Nov-22 | Nov-32 | 0.4061 |
| 628 | TAI YE FRAMEWOODS (MALAYSIA) SDN. BHD. | LOT 226164 MUKIM SUNGAI TERAP KINTA 31500 PERAK | Dec-22 | Dec-32 | 0.1688 |
| 629 | TAI YE FRAMEWOODS (MALAYSIA) SDN. BHD. | PT 8293 MUKIM SUNGAI TERAP KINTA 31500 PERAK | Dec-22 | Dec-32 | 0.2502 |
| 630 | TAI YE FRAMEWOODS (MALAYSIA) SDN. BHD. | PT 8284 MUKIM SUNGAI TERAP KINTA 31500 PULAU PINANG | Dec-22 | Dec-32 | 0.1932 |
| 631 | TAIKO DEVELOPMENT CORPORATION SDN. BHD. | DI SEBAHAGIAN NO. LOT 4380S, MUKIM BANDAR IPOH (S), DAERAH KINTA, 31500 NEGERI PERAK | Mar-22 | Mar-32 | 0.1091 |
| 632 | TAIKO DRUM INDUSTRIES SDN. BHD. | SEBAHAGIAN LOT 2318, MUKIM SUNGEI UDANG, 76400 DAERAH MELAKA TENGAH, MELAKA | Jan-22 | Jan-42 | 0.50003 |
| 633 | TAIPANCO SDN. BHD. | SEBAHAGIAN PT 143, MUKIM BANDAR SULTAN SULAIMAN, 42007 DAERAH KLANG, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.214 |
| 634 | TAN TAI TRADING SDN. BHD. | LOT 2424 MUKIM PANCHOR JAJAHAN KOTA BHARU 16100 KELANTAN | Oct-22 | Oct-32 | 0.1666 |
| 635 | TANJUNG BALAI AUTO SDN. BHD. | PT 73951, PEKAN KAJANG, DAERAH ULU LANGAT, NEGERI SELANGOR | Feb-22 | Feb-32 | 0.366 |
| 636 | TASHIN STEEL SDN. BHD. | SEBAHAGIAN LOT 5642, MUKIM 11, 13600 DAERAH SEBERANG PERAI TENGAH, NEGERI PULAU PINANG | Aug-22 | Aug-32 | 0.4301 |
| 637 | TATAWA INDUSTRIES (M) SDN. BHD. | SEBAHAGIAN PTD 1534, KAWASAN PERINDUSTRIAN BUKIT PASIR, MUKIM SUNGAI TERAP, 84300 DAERAH MUAR, NEGERI JOHOR | Aug-22 | Aug-32 | 0.5906 |
| 638 | TAYLOR-WHARTON MALAYSIA SDN. BHD. | LOT 44783 PEKAN HICOM PETALING 402300 SELANGOR | Feb-22 | Feb-32 | 0.5737 |
| 639 | TAYLOR-WHARTON MALAYSIA SDN. BHD. | LOT 21946 PEKAN HICOM PETALING 402300 SELANGOR | Aug-22 | Aug-32 | 0.2654 |
| 640 | TAYOPACK SDN. BHD. | LOT 3555, MUKIM JASIN, DAERAH JASIN, NEGERI MELAKA | Dec-22 | Dec-32 | 0.2797 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 641 | TECHBOND MANUFACTURING SDN. BHD. | SEBAHAGIAN PT 56369, MUKIM KLANG, 40460 DAERAH KLANG, SELANGOR | Dec-22 | Dec-32 | 0.137 |
| 642 | TECHBOND MANUFACTURING SDN. BHD. | SEBAHAGIAN PT 98130, MUKIM KLANG, 40460 KLANG, SELANGOR | Dec-22 | Dec-32 | 0.341 |
| 643 | TECHNO FRESH AGRO-PRODUCE SDN. BHD. | NO. PT 9155, TELOK GONG, MUKIM KLANG, DAERAH KLANG, 42000 NEGERI SELANGOR | Apr-22 | Apr-32 | 0.423 |
| 644 | TENBY AMAN SDN. BHD. | 73389 TANJONG DUABELAS KUALA LANGAT 42500 SELANGOR | May-22 | May-32 | 0.1283 |
| 645 | TENBY AMAN SDN. BHD. | 73389 TANJONG DUABELAS KUALA LANGAT 42500 SELANGOR | May-22 | May-32 | 0.1042 |
| 646 | TENBY AMAN SDN. BHD. | 650 SEMENYIH ULU LANGAT 43500 SELANGOR | May-22 | May-32 | 0.186 |
| 647 | TENBY AMAN SDN. BHD. | PT 181986 PULAI JOHOR BAHRU 81550 JOHOR | May-22 | May-32 | 0.2228 |
| 648 | TENBY AMAN SDN. BHD. | 59984 BUKIT RAJA PETALING 40170 SELANGOR | May-22 | May-32 | 0.2711 |
| 649 | TEONG CHUAN PLASTIC (M) SDN. BHD. | SEBAHAGIAN PT 14809 & 10809, PEKAN PANDAMARAN, 42000 DAERAH KLANG, SELANGOR | Jul-22 | Jul-32 | 0.551 |
| 650 | TEONG HIN PLASTIC INDUSTRIES SDN. BHD. | SEBAHAGIAN NO PTD 27685 & 25520, MUKIM KLUANG, 86000 DAERAH KLUANG, JOHOR | Jan-22 | Jan-42 | 0.35325 |
| 651 | TETUAN LB FURNITURE SDN. BHD. | SEBAHAGIAN LOT 8799, MUKIM JALAN BAKRI, 84200 DAERAH MUAR, NEGERI JOHOR | May-22 | May-32 | 0.5927 |
| 652 | THE DESSERT FACTORY SDN. BHD. | SEBAHAGIAN NO. PT 126987, MUKIM KLANG, DAERAH KLANG, 40470 NEGERI SELANGOR | Jul-22 | Jul-32 | 0.1006 |
| 653 | THEAN PENG RICE & OIL MILLS SDN. BHD. | SEBAHAGIAN LOT 2980, MUKIM BUKIT RAYA, 06650 DAERAH PENDANG, KEDAH | Jul-22 | Jul-32 | 0.2503 |
| 654 | THEAN PENG RICE & OIL MILLS SDN. BHD. | LOT 2980 MUKIM BUKIT RAYA PENDANG 06650 KEDAH | Aug-22 | Aug-32 | 0.3003 |
| 655 | THIEN CHEONG SDN. BHD. | PT 3233 MUKIM 01 SEBERANG PERAI TENGAH 13700 PULAU PINANG | Apr-22 | Apr-32 | 0.312 |
| 656 | THONG EIK MASTERBATCH INDUSTRIES SDN. BHD. | SEBAHAGIAN PT 5959, BANDAR LUNAS, 09600 DAERAH KULIM, KEDAH | Mar-22 | Mar-32 | 0.2461 |
| 657 | THREE CAST (MALAYSIA) SDN. BHD. | SEBAHAGIAN PTD 11712, MUKIM JERAM BATU, 81500 DAERAH PONTIAN, JOHOR | Mar-22 | Mar-32 | 0.5278 |
| 658 | TIAN SENG HANG TRADING COMPANY SDN. BHD. | SEBAHAGIAN NO. LOT 20464, MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14000 NEGERI PULAU PINANG | Aug-22 | Aug-32 | 0.5999 |
| 659 | TIARCO CHEMICAL (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 47962, MUKIM HULU KINTA, 31200 DAERAH KINTA, PERAK | Feb-22 | Feb-32 | 0.5456 |
| 660 | TIMBER ART DESIGN SDN. BHD. | SEBAHAGIAN NO. LOT 16684, MUKIM JALAN BAKRI, DAERAH MUAR, 84200 NEGERI JOHOR | Aug-22 | Aug-32 | 0.2507 |
| 661 | TIMBER ART DESIGN SDN. BHD. | SEBAHAGIAN NO. LOT 8728, MUKIM JALAN BAKRI, DAERAH MUAR, 84200 NEGERI JOHOR | Sep-22 | Sep-32 | 0.46979 |
| 662 | TIMBMART SDN. BHD. | SEBAHAGIAN LOT 460, MUKIM SONGSANG, 28000 DAERAH TEMERLOH, PAHANG | Jun-22 | Jun-32 | 0.3362 |
| 663 | TIMO INTERNATIONAL SDN. BHD. | SEBAHAGIAN PTD 5262, KAW PERINDUSTRIAN PT JAMIL, MUKIM PT JAMIL, 84150 DAERAH MUAR, NEGERI JOHOR | Aug-22 | Aug-32 | 0.144 |
| 664 | TIMURIKAN TRENGGANU SDN. BHD. | SEBAHAGIAN LOT 466, TELOK GADING, MUKIM ENDAU, 26820 DAERAH ROMPIN, PAHANG | Jan-22 | Jan-42 | 0.390005 |
| 665 | TMG MART (JEMPOL) SDN. BHD. | LOT 1201 BANDAR SERTING JEMPOL 72120 NEGERI SEMBILAN | Oct-22 | Oct-32 | 0.3121 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 666 | TOKAI ENGINEERING (M) SDN. BHD. | PT 55221, MUKIM KAPAR, DAERAH KLANG, 42200 SELANGOR | Jan-22 | Jan-32 | 0.388 |
| 667 | TOKOPAK SDN. BHD. | LOT 30822 PEKAN SUNGAI GADUT SEREMBAN 71450 NEGERI SEMBILAN | Nov-22 | Nov-32 | 0.1375 |
| 668 | TOKOPAK SDN. BHD. | SEBAHAGIAN NO. LOT PT 29308, MUKIM AMPANGAN, DAERAH SEREMBAN, 71450 NEGERI SEMBILAN | Jan-22 | Jan-32 | 0.4541 |
| 669 | TOPMARK PETROLEUM PRODUCTS SDN. BHD.. | SEBAHAGIAN LOT 102521, MUKIM KLANG, 42920 DAERAH KLANG, NEGERI SELANGOR | Jan-22 | Jan-42 | 0.27456 |
| 670 | TOPRANK SOLAR ENERGY SDN. BHD. | NO. PT 16168, MUKIM DAMANSARA, DAERAH PETALING, 47400 SELANGOR | Mar-22 | Mar-32 | 0.1404 |
| 671 | TOPRANK SOLAR ENERGY SDN. BHD. | NO. LOT 2638S, MUKIM BANDAR IPOH (S), DAERAH KINTA, 30250 PERAK | Mar-22 | Mar-32 | 0.108 |
| 672 | TOTAL SOLAR MALAYSIA SDN. BHD. | DI SEBAHAGIAN NO. LOT 2133, MUKIM BANDAR GEMAS, DAERAH TAMPIN, 73400 NEGERI SEMBILAN | Mar-22 | Mar-32 | 0.399 |
| 673 | TOTAL SOLAR MALAYSIA SDN. BHD. | DI SEBAHAGIAN NO. LOT PT 24571, MUKIM SUNGAI RAYA, DAERAH KINTA, 31300 NEGERI PERAK | Mar-22 | Mar-32 | 0.999 |
| 674 | TOWAM SDN. BHD. | SEBAHAGIAN PT 6016, MUKIM 13, 14100 DAERAH SEBERANG PERAI SELATAN, PULAU PINANG | Mar-22 | Mar-32 | 1.2096 |
| 675 | TRANS RESOURCES CORPORATION SDN. BHD. | SEBAHAGIAN LOT 126569, MUKIM BANDAR ULU KELANG, 68000 DAERAH GOMBAK, NEGERI SELANGOR | Mar-22 | Mar-32 | 0.0967 |
| 676 | TRI-MODE SYSTEM (M) BERHAD | SEBAHAGIAN PT 152632, MUKIM KLANG, 42920 DAERAH KLANG, NEGERI SELANGOR | Oct-22 | Oct-32 | 0.337 |
| 677 | PRAI POWER SDN. BHD.. | SEBAHAGIAN PT 129432, MUKIM KUALA KUANTAN, 25200 KUANTAN, PAHANG | Mar-22 | Mar-42 | 0.42768 |
| 678 | TUNAS MANJA SUPERMARKET (INDERA MAHKOTA) SDN. BHD. | LOT 131587, MUKIM KUALA KUANTAN, PAHANG. | Mar-22 | Mar-42 | 0.53152 |
| 679 | TUNAS MANJA SUPERMARKET (MARAN) SDN. BHD. | LOT 20229 SEKSYEN 1 BANDAR MARAN MARAN 26500 PAHANG | Nov-22 | Oct-32 | 0.2603 |
| 680 | TUNAS MANJA SUPERMARKET (TEMERLOH) SDN. BHD. | PT16821 MUKIM PERAK TEMERLOH 28000 PAHANG | Nov-22 | Oct-32 | 0.418 |
| 681 | TUNAS MANJA SUPERMARKET (TG. LUMPUR) SDN. BHD. | PT 124756, MUKIM KUALA KUANTAN, KUANTAN, PAHANG. | Mar-22 | Mar-42 | 0.55176 |
| 682 | U POINT SYSTEMS SDN. BHD. | SEBAHAGIAN NO. LOT 56891, MUKIM PLENTONG, DAERAH JOHOR BAHRU, NEGERI JOHOR | Mar-22 | Mar-32 | 0.1199 |
| 683 | UDA HOLDINGS BERHAD | PT144260, BANDAR IPOH (U), 30450 DAERAH KINTA, NEGERI PERAK | Jun-22 | Jun-32 | 1.171 |
| 684 | UDA HOLDINGS BERHAD | LOT 18286, BANDAR SEREMBAN, DAERAH SEREMBAN, 70400 NEGERI SEMBILAN | Jan-22 | Jan-32 | 0.324 |
| 685 | UNICOLOUR POLYMER TECHNOLOGY SDN. BHD. | SEBAHAGIAN LOT 109, SEKSYEN 65, MUKIM BANDAR SUNGAI PETANI, 08000 DAERAH KUALA MUDA, NEGERI KEDAH | Jul-22 | Jul-32 | 0.5306 |
| 686 | UNIPLUS EVA RESOURCES SDN. BHD. | SEBAHAGIAN LOT 7840, MUKIM KELEMAK, 78000 DAERAH ALOR GAJAH, MELAKA | Dec-22 | Dec-32 | 0.1908 |
| 687 | UNITED CHINESE SCHOOL COMMITTEES' ASSOCIATION OF MALAYSIA | PT 285 BANDAR KAJANG ULU LANGAT 43000 SELANGOR | Aug-22 | Aug-32 | 0.4454 |
| 688 | UNITED DETERGENT INDUSTRIES SDN. BHD. | SEBAHAGIAN PT 25, KAMPONG KELEMAK, MUKIM KELEMAK, 78000 ALOR GAJAH, MELAKA | Jul-22 | Jul-32 | 0.9785 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 689 | UNITED SOLAR ENERGY (MALAYSIA) SDN. BHD. | LOT 12017, MUKIM BUKIT BARU, DAERAH MELAKA TENGAH, 75450 MELAKA | Mar-22 | Mar-32 | 0.4 |
| 690 | UNITED U-LI (M) SDN. BHD. | SEBAHAGIAN LOT 755, MUKIM PEKAN NILAI, 71800 DAERAH SEREMBAN, NEGERI SEMBILAN | Apr-22 | Apr-32 | 0.7014 |
| 691 | UZMA ENGINEERING SDN. BHD. | DI SEBAHAGIAN NO. LOT 3375, MUKIM KAJANG, DAERAH HULU LANGAT, 43300 NEGERI SELANGOR | Apr-22 | Apr-32 | 1.2513 |
| 692 | VBC ELECTRO-HEAT SDN. BHD. | SEBAHAGIAN NO. LOT 15973, MUKIM KAPAR, DAERAH KLANG, 41300 NEGERI SELANGOR | Jul-22 | Jul-32 | 0.3072 |
| 693 | VIRENT ENERGY SOLUTIONS SDN. BHD. | PT 12120 MUKIM RAWANG GOMBAK 48000 SELANGOR | Sep-22 | Sep-42 | 0.4767 |
| 694 | VISCO TECHNOLOGY SDN. BHD. | SEBAHAGIAN NO. PT 3182, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, 13700 NEGERI PULAU PINANG | Jul-22 | Jul-32 | 1.03986 |
| 695 | VISCO TECHNOLOGY SDN. BHD. | SEBAHAGIAN NO. PT 3182, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, 13700 NEGERI PULAU PINANG | Aug-22 | Aug-32 | 0.92378 |
| 696 | VISCO TECHNOLOGY SDN. BHD. | SEBAHAGIAN NO. PT 3182, MUKIM 01, DAERAH SEBERANG PERAI TENGAH, 13700 NEGERI PULAU PINANG | Aug-22 | Aug-32 | 0.6164 |
| 697 | VITAL HEAT TREATMENT SDN. BHD. | LOT 21605, MUKIM SUNGAI PASIR, DAERAH KUALA MUDA, NEGERI KEDAH | Jan-22 | Jan-42 | 0.56056 |
| 698 | VITAL HEAT TREATMENT SDN. BHD. | LOT 18988 SEKSYEN 20 BANDAR RAWANG GOMBAK 48000 SELANGOR | Sep-22 | Sep-42 | 0.39965 |
| 699 | VITAL HEAT TREATMENT SDN. BHD. | LOT 19031 SEKSYEN 20 BANDAR RAWANG GOMBAK 48000 SELANGOR | Sep-22 | Sep-42 | 0.4594 |
| 700 | VITAL HEAT TREATMENT SDN. BHD. | SEBAHAGIAN LOT 19034, MUKIM BANDAR RAWANG, 48000 DAERAH GOMBAK, NEGERI SELANGOR | Jul-22 | Jul-42 | 0.459 |
| 701 | VSTECs KUSH SDN.BHD. | SEBAHAGIAN PT 9911, MUKIM PEKAN BARU SUNGAI BULOH, 47810 DAERAH PETALING, NEGERI SELANGOR | Jul-22 | Jul-32 | 0.294 |
| 702 | WANPOW PLASTIC INDUSTRIES SDN. BHD. | 17, JLN P4/6, BDR TEKNOLOGI SEMENYIH HULU LANGAT 43500 SELANGOR | Jul-22 | Jul-32 | 0.225 |
| 703 | WAWASAN AGROLIPIDS SDN. BHD. | SEBAHAGIAN PTD 116053 & LOT 198487, MUKIM PLENTONG, 81700 DAERAH JOHOR BAHRU, NEGERI JOHOR | Dec-22 | Dec-32 | 0.7826 |
| 704 | WEI DAT STEEL WIRE SDN. BHD. | LOT 18(IZ3), KOTA KINABALU INDUSTRIAL PARK, 88450 KOTA KINABALU, SABAH. | Jul-22 | Jul-32 | 1.0529 |
| 705 | WENG MENG INDUSTRIES SDN. BHD. | PT13871 PEKAN BUKIT CHANGGANG KUALA LANGAT 42700 SELANGOR | Aug-22 | Aug-32 | 1 |
| 706 | WESGLOW INDUSTRIES SDN. BHD. | SEBAHAGIAN NO. LOT 59209, MUKIM KLANG, DAERAH KLANG, 40470 NEGERI SELANGOR | Jan-22 | Jan-42 | 0.2842 |
| 707 | WHITE CAFE SDN. BHD. | DI SEBAHAGIAN NO. LOT 60178, MUKIM HULU KINTA, DAERAH KINTA, 31400 NEGERI PERAK | Mar-22 | Mar-32 | 0.728 |
| 708 | WIN SMITH PACKAGING SDN. BHD. | PLOT PT 5864 JLN JOHAN 1/5, KAW PERINDUSTRIAN PENGKALAN 2, IPOH 31550 PERAK | Jun-22 | Jun-32 | 0.1998 |
| 709 | WIN SMITH PACKAGING SDN. BHD. | LOT 5864, JLN JOHAN 1/5, KAW PERINDUSTRIAN PENGKALAN 2, IPOH 31550 PERAK | Jun-22 | Jun-32 | 0.1496 |
| 710 | WINBRIGHT (M) SDN.BHD | 5193 KLUANG KLUANG 86000 JOHOR | Dec-22 | Dec-32 | 0.5306 |
| 711 | WIPRO MANUFACTURING SERVICES SDN. BHD. | HS(D):44116 PT 37821 MUKIM KAJANG ULU LANGAT 43000 SELANGOR | Oct-22 | Oct-32 | 0.3878 |
| 712 | WIPRO UNZA (MALAYSIA) SDN. BHD. | LOT 538, MUKIM DAMANSARA, SUNGAI PENAGA, 47600 DAERAH PETALING, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.4661 |

Apendiks 18: Lesen Net Energy Metering (NEM) yang Dikeluarkan pada 2022
Appendix 18: Net Energy Metering (NEM) Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|---|-----------------------------------|-----------------------------------|--|
| 713 | WISTRON TECHNOLOGY (MALAYSIA) SDN. BHD. | PT71192 KAPAR KLANG 41200 SELANGOR | Oct-22 | Oct-32 | 1.0006 |
| 714 | WM-R INDUSTRY SDN. BHD. | SEBAHAGIAN NO. LOT PTD 180281, MUKIM PULAI, DAERAH JOHOR BAHRU, 81550 NEGERI JOHOR | Jul-22 | Jun-32 | 0.19872 |
| 715 | WORLDWIDE HOLDINGS BERHAD | LOT 3407, MUKIM BANDAR SHAH ALAM, DAERAH PETALING, NEGERI SELANGOR | Jan-22 | Jan-32 | 0.124 |
| 716 | YAYASAN PAHANG | PT 88931, MUKIM KUALA KUANTAN, 26060 DAERAH KUANTAN, NEGERI PAHANG | Jun-22 | Jun-32 | 0.362 |
| 717 | YAYASAN TAIWAN BUDDHIST TZU-CHI, MALAYSIA | SEBAHAGIAN NO. LOT 1633, MUKIM PRINGGIT, DAERAH MELAKA TENGAH, 75350 NEGERI MELAKA | Jul-22 | Jul-32 | 0.1502 |
| 718 | YE CHIU NON-FERROUS METAL (M) SDN. BHD. | SEBAHAGIAN LOT 7315, MUKIM SUNGAI TIRAM, 81700 JOHOR BAHRU, JOHOR | Mar-22 | Mar-42 | 2.9232 |
| 719 | YEO AIK WOOD SDN. BHD. | 5803 MUKIM MERLIMAU JASIN 77300 MELAKA | Mar-22 | Mar-42 | 0.59714 |
| 720 | YEONG CHAUR SHING PAPER MILL SDN. BHD. | SEBAHAGIAN LOT 736, MUKIM JLN KRUBONG, KAW. PERINDUSTRIAN KRUBONG, 75260 DAERAH MELAKA, NEGERI MELAKA | Feb-22 | Feb-32 | 1.1999 |
| 721 | YETTA STEEL INDUSTRIES SDN. BHD. | LOT 113, JALAN PKNK 2/1 TMN RIA JAYA SUNGAI PETANI 08000 KEDAH | Dec-22 | Dec-32 | 0.5738 |
| 722 | YKK (MALAYSIA) SDN.BHD | SEBAHAGIAN NO. LOT 114146, MUKIM SENAI, DAERAH KULAI, NEGERI JOHOR | Mar-22 | Mar-42 | 0.44032 |
| 723 | YONGYANG SDN. BHD. | SEBAHAGIAN PT 836, MUKIM BANDAR SHAH ALAM, 40200 DAERAH PETALING, NEGERI SELANGOR | Dec-22 | Dec-32 | 0.3116 |
| 724 | YONGYANG SDN. BHD. | SEBAHAGIAN NO. LOT 20457, MUKIM 13, DAERAH SEBERANG PERAI TENGAH, 14100 NEGERI PULAU PINANG | May-22 | May-42 | 0.28 |
| 725 | YONGYANG SDN. BHD. | SEBAHAGIAN NO. LOT PT 43353, MUKIM RAWANG, DAERAH GOMBAK, 48000 NEGERI SELANGOR | Jul-22 | Jul-32 | 0.2318 |
| 726 | YOONG SHING TRADING (M) SDN. BHD. | MLO 9007 MUKIM PLENTONG JOHOR BAHRU 81750 JOHOR | Oct-22 | Oct-32 | 0.128 |
| 727 | YOONSTEEL (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 47441, MUKIM HULU KINTA, 31400 DAERAH KINTA, PERAK | Jan-22 | Jan-32 | 1.2174 |
| 728 | YOONSTEEL (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 188805, MUKIM SUNGAI TERAP, 31550 DAERAH KINTA, NEGERI PERAK | Apr-22 | Apr-32 | 1.0279 |
| 729 | YOONSTEEL (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 207996, MUKIM SUNGAI TERAP, 31550 DAERAH KINTA, NEGERI PERAK | May-22 | May-32 | 0.5978 |
| 730 | YOONSTEEL (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT 226140, MUKIM SUNGAI TERAP, 31500 DAERAH KINTA, NEGERI PERAK | Dec-22 | Dec-32 | 0.3739 |
| 731 | YOONSTEEL (MALAYSIA) SDN. BHD. | LOT 76189, MUKIM HULU KINTA, DAERAH KINTA, 31400 NEGERI PERAK | Jan-22 | Jan-32 | 0.6998 |
| 732 | YTL POWER GENERATION SDN. BHD. | SEBAHAGIAN LOT 4639 DAN 7723, MUKIM DENGKIL, DAERAH SEPANG, 43900 NEGERI SELANGOR | Dec-22 | Dec-32 | 0.36 |
| 733 | ZEITO PLASTIC COMPONENTS SDN. BHD. | LOT 22641, CHERAS JAYA, MUKIM CERAS, 43200 DAERAH HULU LANGAT, NEGERI SELANGOR | Aug-22 | Aug-32 | 0.4232 |
| 734 | ZELLECO ENGINEERING SDN. BHD. | SEBAHAGIAN LOT 2489, MUKIM PUTAT, DAERAH KUBANG PASU, 06100 KEDAH | Jun-22 | Jun-32 | 0.36 |
| 735 | ZELLECO ENGINEERING SDN. BHD. | SEBAHAGIAN NO. LOT 2489, MUKIM PUTAT, DAERAH KUBANG PASU, 06100 NEGERI KEDAH | Apr-22 | Apr-32 | 0.54 |
| 736 | ZHENG YEE PRECISION ENGINEERING SDN. BHD. | SEBAHAGIAN LOT 24291, LOT 24301 & LOT 24302, MUKIM 15, 14100 SEBERANG PERAI SELATAN, PULAU PINANG | Jul-22 | Jul-32 | 0.2012 |
| 737 | ZINDO UTAMA SDN. BHD. | SEBAHAGIAN LOT 61772, BANDAR GLENMARIE, DAERAH PETALING, NEGERI SELANGOR DARUL EHSAN | Mar-22 | Mar-32 | 0.30816 |

Apendiks 19: Lesen Pengagihan Elektrik yang dikeluarkan pada 2022
Appendix 19: Electricity Distribution Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|---|--|-----------------------------------|-----------------------------------|--|
| 1 | AEON CO. (M) BHD | NO. LOT 95272, MUKIM PETALING, 43300 DAERAH PETALING, SELANGOR | Jun-22 | Jun-32 | 6.8 |
| 2 | AEON CO. (M) BHD | KOMPLEKS MEMBELI-BELAH AEON MELAKA SHOPPING CENTRE, NO. LOT 4991 (P.T. 7041), MUKIM BUKIT BARU, DAERAH MELAKA TENGAH, 75450, MELAKA | Aug-22 | Aug-32 | 5.95 |
| 3 | AEON CO. (M) BHD | AEON PERMAS JAYA SHOPPING CENTRE, DI NO. LOT 152253, MUKIM PLENTONG, DAERAH JOHOR BAHRU, 81750 JOHOR | Apr-22 | Apr-32 | 4.25 |
| 4 | AEON CO. (M) BHD | KOMPLEKS MEMBELI-BELAH AEON MALL IPOH STATION 18 DI NO. LOT PT 239099, MUKIM HULU KINTA, DAERAH KINTA, 31650 IPOH, PERAK | Aug-22 | Aug-32 | 16 |
| 5 | AEON CO. (M) BHD | AEON MALL RAWANG SHOPPING COMPLEX, NO. LOT 1246 DAN 1851, MUKIM RAWANG, DAERAH GOMBAK, 48000, SELANGOR | Nov-22 | Nov-32 | 8.67 |
| 6 | AEON CO. (M) BHD | AEON MALL TAMAN MALURI CHERAS, DI NO. LOT 20009 SEKSYEN 90A, MUKIM BANDAR KUALA LUMPUR, DAERAH KUALA LUMPUR, 55100, WILAYAH PERSEKUTUAN KUALA LUMPUR | Apr-22 | Apr-32 | 25.5 |
| 7 | ASTERASIA SDN. BHD. | SEJATI WALK MALL, DI NO. LOT L.126939 & PL.076144020, MUKIM SANDAKAN, DAERAH SANDAKAN, 90000 SABAH | Mar-22 | Mar-32 | 2.991 |
| 8 | BADAN PENGURUSAN BERSAMA ONE MEDINI | ONE MEDINI SHOPPING COMPLEX, DI NO. LOT 194140, MUKIM PULAI, DAERAH JOHOR BAHRU, 79250 NEGERI JOHOR | Sep-22 | Sep-32 | 4.25 |
| 9 | BEIBU GULF HOLDING (MALAYSIA) SDN. BHD. | SEBAHAGIAN LOT PT 22993 DAN PT 18727, MUKIM SUNGAI KARANG, DAERAH KUANTAN, 26080 PAHANG | Jul-22 | Jul-43 | 204 |
| 10 | CONTINENTAL MANAGEMENT SDN. BHD. | NO. PTB 12923, MUKIM TANJUNG SURAT, DAERAH KOTA TINGGI, 81930 NEGERI JOHOR | Mar-22 | Mar-32 | 3.5 |
| 11 | ETIQA LIFE INSURANCE BHD | BANGUNAN AKADEMI ETIQA, DI SEBAHAGIAN NO. LOT 23 SEKSYEN 32, MUKIM BANDAR KUALA LUMPUR, DAERAH KUALA LUMPUR, 50100 NEGERI WILAYAH PERSEKUTUAN KUALA LUMPUR 23 BANDAR KUALA LUMPUR KUALA LUMPUR 50100 WILAYAH PERSEKUTUAN | Jun-22 | Jun-32 | 2.125 |
| 12 | EV CONNECTION SDN. BHD.. | LOT NO.1, JALAN SS 8/6, SUNGAI WAY FREE TRADE INDUSTRIAL ZONE, 47300 PETALING JAYA, SELANGOR | Oct-22 | Oct-32 | 0.655 |
| 13 | EV CONNECTION SDN. BHD. | PT 197129 HULU KINTA KINTA 31400 PERAK | Dec-22 | Dec-32 | 0.12 |
| 14 | EV CONNECTION SDN. BHD. | PT 1421 TITIAN BINTANGOR REMBAU 71400 NEGERI SEMBILAN | Dec-22 | Dec-32 | 0.18 |
| 15 | EV CONNECTION SDN. BHD. | PETRONAS R&R GAMBANG LEBUHRAYA PANTAI TIMUR (EASTBOUND), MUKIM HULU LEPAR, DAERAH KUANTAN 25150 PAHANG | Dec-22 | Dec-32 | 0.18 |
| 16 | EV CONNECTION SDN. BHD. | NO.1, PERSIARAN BANDAR, 43650 BANDAR BARU BANGI, SELANGOR | Nov-22 | Nov-32 | 0.458 |
| 17 | EV CONNECTION SDN. BHD. | PTD 74793, MUKIM KLUANG, DAERAH KLUANG, 86100 NEGERI JOHOR | Dec-22 | Dec-32 | 0.432 |
| 18 | EV CONNECTION SDN. BHD. | PETRONAS R&R GAMBANG (WESTBOUND) MUKIM HULU LEPAR, DAERAH KUANTAN 26300 PAHANG | Dec-22 | Dec-32 | 0.05 |
| 19 | GCH RETAIL (MALAYSIA) SDN. BHD. | GIANT KUALA PILAH SUPERMARKET, NO. LOT PT 2783, MUKIM AMPANG TINGGI, DAERAH KUALA PILAH, 72000 NEGERI SEMBILAN | Dec-22 | Dec-32 | 2.04 |
| 20 | GENTING SIMON SDN. BHD. | PTD 104549, MUKIM KULAI, 81000 KULAIJAYA, JOHOR | Nov-22 | Nov-32 | 6.885 |

Apendiks 19: Lesen Pengagihan Elektrik yang dikeluarkan pada 2022
Appendix 19: Electricity Distribution Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|---|-----------------------------------|-----------------------------------|--|
| 21 | IE UTILITIES SDN. BHD. | PAVILION DAMANSARA HEIGHT, DI SEBAHAGIAN NO. LOT 56495, MUKIM KUALA LUMPUR, DAERAH KUALA LUMPUR, 50490 KUALA LUMPUR, NEGERI WP KUALA LUMPUR | Mar-22 | Mar-32 | 28.475 |
| 22 | INFINITY LOGISTICS & TRANSPORT SDN. BHD. | SEBAHAGIAN LOT PT 65746, MUKIM KLANG, DAERAH KLANG, 42920 SELANGOR | Aug-22 | Aug-32 | 0.85 |
| 23 | JELAS PURI SDN. BHD. | PT 5167 SEKSYEN 40 BANDAR PETALING JAYA PETALING JAYA 47301 SELANGOR | Nov-22 | Nov-32 | 10.75 |
| 24 | JOINT MANAGEMENT BODY SOUTH CITY PLAZA | ACADEMIA RESIDENCE, SOUTH CITY PLAZA, DI LOT PT 520, SERDANG PERDANA, SERI KEMBANGAN, MUKIM PETALING, DAERAH PETALING, 43300 NEGERI SELANGOR | Sep-22 | Sep-32 | 3 |
| 25 | KERJAYA PROPERTY SDN. BHD. | BLOOMSVALE (HOTEL, PEJABAT & RUANG PERNIAGAAN), DI SEBAHAGIAN NO. LOT PT 12540, MUKIM PETALING, DAERAH KUALA LUMPUR, 58200 KUALA LUMPUR, NEGERI WP KUALA LUMPUR | Mar-22 | Mar-32 | 7.225 |
| 26 | LEMBAGA TABUNG HAJI | BANGUNAN PEJABAT GLOMAC DAMANSARA, DI SEBAHAGIAN NO. LOT 73, SEKSYEN 2, MUKIM KUALA LUMPUR, DAERAH KUALA LUMPUR, 60000 NEGERI WILAYAH PERSEKUTUAN, KUALA LUMPUR | May-22 | May-32 | 2.72 |
| 27 | LION INDUSTRIES CORPORATION BERHAD | SEBAHAGIAN NO. LOT 2324, 2697, 2823, 2824, 3277, 3287, 8379, 12235, 12236, 19314, 19319, 19321, 19322 DAN 19323, MUKIM TANJUNG 12, DAERAH KUALA LANGAT, 41700 NEGERI SELANGOR | Aug-22 | Aug-32 | 1071 |
| 28 | LOTUS'S STORES (MALAYSIA) SDN. BHD. | KOMPLEKS MEMBELI-BELAH LOTUS'S TELUK INTAN, DI SEBAHAGIAN NO. LOT PT 5017, MUKIM BANDAR TELUK INTAN, DAERAH HILIR PERAK, 36000 NEGERI PERAK | Jul-22 | Jul-32 | 2.55 |
| 29 | MALAYSIA AIRPORTS SDN. BHD. | NO. LOT 1210, MUKIM DAMANSARA DAERAH PETALING, 47200 SELANGOR | Mar-22 | Mar-32 | 11.77 |
| 30 | MALAYSIAN LANDED PROPERTY SDN. BHD. | NO. LOT 170 SEKSYEN 57, MUKIM KUALA LUMPUR, DAERAH KUALA LUMPUR, 50450 NEGERI WILAYAH PERSEKUTUAN KUALA LUMPUR | Jun-22 | Jun-32 | 3 |
| 31 | MAMMOTH EMPIRE ESTATE SDN. BHD. | NO. LOT 73786 (DAHULUNYA LOT PT 47371), MUKIM SUNGAI BULOH, DAERAH PETALING, 47820 NEGERI SELANGOR | Jul-22 | Jul-32 | 8.484 |
| 32 | MCT GREEN TECHNOLOGY SDN. BHD. | ONE CITY SKYPARK, NO. LOT 91380, MUKIM DAMANSARA, DAERAH PETALING, 47650 NEGERI SELANGOR | Jul-22 | Jul-32 | 15.81 |
| 33 | MTRUSTEE BERHAD | LOT PT 92050, MUKIM BANDAR KUANTAN, DAERAH KUANTAN, 25200 PAHANG | Sep-22 | Sep-32 | 10 |
| 34 | MUST EHSAN DEVELOPMENT SDN. BHD. | ENCORP STRAND MALL DI NO. LOT 53634, MUKIM PEKAN BARU SUNGAI BULOH, DAERAH PETALING, 47810 NEGERI SELANGOR | Jul-22 | Jul-32 | 12.24 |
| 35 | NUSAJAYA LIFESTYLE SDN. BHD. | MEDINI LIFESTYLE MALL, DI NO. LOT PTD 170657 DAN PTD 170658, MUKIM PULAI, DAERAH JOHOR BAHRU, 79000 JOHOR | Dec-22 | Dec-32 | 3.4 |
| 36 | PASTI ANGGUN SDN. BHD. | KOMPLEKS MEMBELI-BELAH IKON MALL, DI NO. LOT 39891, MUKIM PETALING, DAERAH KUALA LUMPUR, 56000 NEGERI WILAYAH PERSEKUTUAN KUALA LUMPUR | Jul-22 | Jul-32 | 3.441 |
| 37 | PERBADANAN PENGURUSAN QUEENSBAY MALL | LOTS 11736 AND 11737 MUKIM 12 BARAT DAYA 11900 PULAU PINANG | Jul-22 | Jul-32 | 21.25 |
| 38 | PERBADANAN PENGURUSAN SUNWAY NEXIS | KOMPLEKS SUNWAY NEXIS, DI SEBAHAGIAN LOT 65670, MUKIM PETALING, DAERAH PETALING, 47180 NEGERI SELANGOR | Aug-22 | Aug-32 | 9.095 |

Apendiks 19: Lesen Pengagihan Elektrik yang dikeluarkan pada 2022
Appendix 19: Electricity Distribution Licences Issued in 2022

| Bil. No | Nama Pemegang Lesen Licensee | Lokasi Location | Lesen Sah Dari Licence Start Date | Lesen Sah Hingga Licence End Date | Kapasiti Dilesen (MW) Licenced Capacity (MW) |
|---------|--|--|-----------------------------------|-----------------------------------|--|
| 39 | PLATINUM TOWER SDN. BHD. | 1 SULAMAN, PART OF NO. LOT CL 015080145 & CL 015026392, MUKIM JALAN SULAMAN, DAERAH KOTA KINABALU, 88300 SABAH | Dec-22 | Dec-32 | 5.525 |
| 40 | SENI PUJAAAN SDN. BHD. | IMPERIAL HERITAGE MALACCA, DI LOT PT 15, PT 20, PT 26, 12273 DAN SEBAHAGIAN PT 834 DAN PT 848, MUKIM KAWASAN BANDAR XXVII, DAERAH MELAKA TENGAH, 75000 NEGERI MELAKA | Jul-22 | Jul-32 | 2 |
| 41 | SIPP POWER SDN. BHD. | PART OF PTD 109033 AND LOT 3564, MUKIM KULAI, DAERAH KULAI, 81000 JOHOR | Nov-22 | Nov-32 | 16 |
| 42 | SKS FOCUS SDN. BHD. | LARKIN JUNCTION, DI SEBAHAGIAN NO. LOT 49523, MUKIM BANDAR JOHOR BAHRU, DAERAH JOHOR BAHRU, 50480 JOHOR | Mar-22 | Mar-32 | 5.525 |
| 43 | SUN VICTORY SDN. BHD. | PART OF NO. LOT 58690, MUKIM BATU, DAERAH KUALA LUMPUR, 50480 WILAYAH PERSEKUTUAN KUALA LUMPUR | Oct-22 | Oct-32 | 7.65 |
| 44 | SUNGEI WANG PLAZA MANAGEMENT CORPORATION | SUNGEI WANG SHOPPING COMPLEX, DI NO. LOT 1197 SEKSYEN 67, MUKIM BANDAR KUALA LUMPUR, DAERAH KUALA LUMPUR, 50250, WILAYAH PERSEKUTUAN KUALA LUMPUR | Mar-22 | Mar-32 | 20.825 |
| 45 | SUNWAY GEO SDN. BHD. | SUNWAY GEO AVENUE BLOK D, LOT 62637, JALAN LAGOON SELATAN DAN LOT 62638, JALAN PJS 9/6, BANDAR SUNWAY, MUKIM DAMANSARA, DAERAH PETALING, 47500 NEGERI SELANGOR | Sep-22 | Sep-32 | 7.82 |
| 46 | SUNWAY MARKETPLACE SDN. BHD. | SUNWAY BIG BOX OFFICE TOWER, DI NO. LOT PTD 204061, MUKIM PULAI, DAERAH JOHOR BAHRU, 79250 JOHOR | May-22 | May-32 | 1.36 |
| 47 | SYMPHONY WAREHOUSE SDN. BHD. | NO. LOT 38271, NO. 72, PERSIARAN JUBLI PERAK, MUKIM SEKSYEN 22, DAERAH SHAH ALAM, 40000 NEGERI SELANGOR | Jun-22 | Jun-32 | 1.404 |
| 48 | UDA MALL SDN. BHD. | SEBAHAGIAN NO. LOT 9664N, MUKIM BANDAR IPOH (U), DAERAH KINTA, 30450 PERAK | Dec-22 | Dec-32 | 3.4 |
| 49 | UNIVERSITI TELEKOM SDN. BHD. | LOT 23528 DENGKIL SEPANG 63100 SELANGOR | Jun-22 | Jun-32 | 5.1 |
| 50 | UNIVERSITI TELEKOM SDN. BHD. | PT7216, LOT 11662, LOT 11721, LOT 11724 BUKIT BARU MELAKA TENGAH 75450 MELAKA | May-22 | May-32 | 8 |
| 51 | UNIVERSITI TENAGA NASIONAL SDN. BHD. | PT 64706 MUKIM DENGKIL SEPANG 43000 SELANGOR | 1Apr-22 | Apr-32 | 4.03 |
| 52 | UNIVERSITI TENAGA NASIONAL SDN. BHD. | PT 3944 MUKIM KERATONG ROMPIN 26700 PAHANG | 1Apr-22 | Apr-32 | 3.78 |
| 53 | WISMA MIRAMA SDN. BHD. | WISMA MIRAMA KOMPLEKS, DI NO. LOT 888, SEKSYEN 69, MUKIM BANDAR KUALA LUMPUR, DAERAH KUALA LUMPUR, 50460 WILAYAH PERSEKUTUAN KUALA LUMPUR | Feb-22 | Feb-32 | 2.55 |

MUKA SURAT INI SENGAJA DIKOSONGKAN
THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

MUKA SURAT INI SENGAJA DIKOSONGKAN
THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK

MUKA SURAT INI SENGAJA DIKOSONGKAN
THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK



📍 SURUHANJAYA TENAGA (ENERGY COMMISSION)

No. 12, Jalan Tun Hussein, Precinct 2,
62100 Putrajaya, Malaysia.

☎ (603) 8870 8500

📄 (603) 8888 8637

🌐 www.st.gov.my