

NODAL POINT 2020

| No | Substation Name | State | Connection Point (kV) | Allowable Connected Capacity (MW) |
|----|--------------------------|--------|-----------------------|-----------------------------------|
| 1 | Bakri | JOHOR | 11 | 4.45 |
| 2 | Bandar Penawar | | 11 | 4.06 |
| 3 | Batu Pahat | | 11 | 5.84 |
| 4 | Bukit Kepong | | 11 | 2.57 |
| 5 | Gerisek | | 11 | 11.12 |
| 6 | Kangkar Tebrau | | 11 | 5.62 |
| 7 | Kluang (New) | | 11 | 7.20 |
| 8 | Kota Tinggi | | 11 | 2.20 |
| 9 | Parit Jamil | | 11 | 5.16 |
| 10 | Parit Yusof | | 11 | 2.53 |
| 11 | Renggam | | 11 | 3.13 |
| 12 | Rengit | | 11 | 7.85 |
| 13 | Senai | | 11 | 14.50 |
| 14 | Sri Sulong | | 11 | 2.50 |
| 15 | Tangkak | | 11 | 5.24 |
| 16 | Tangkak Industrial | | 11 | 7.00 |
| 17 | Batu Pahat East | | 33 | 17.39 |
| 18 | Bukit Siput | | 33 | 3.30 |
| 19 | Financial Center (Gis) | | 33 | 19.07 |
| 20 | Kangkar Tebrau | | 33 | 28.77 |
| 21 | Mersing | | 33 | 3.49 |
| 22 | Pasak | | 33 | 10.62 |
| 23 | Pasir Gudang Town Centre | | 33 | 49.35 |
| 24 | Perling | | 33 | 27.83 |
| 25 | Permas Jaya | | 33 | 7.06 |
| 26 | Pontian | | 33 | 4.47 |
| 27 | Pusat Bandar Johor Bahru | | 33 | 22.39 |
| 28 | Saling | | 33 | 16.83 |
| 29 | Senai | | 33 | 20.62 |
| 30 | Skudai | | 33 | 49.38 |
| 31 | South Key Jb (Gis) | | 33 | 9.38 |
| 32 | Sungai Abong | | 33 | 12.13 |
| 33 | Tampoi Industri | | 33 | 25.54 |
| 34 | Tanjung Kupang | | 33 | 14.42 |
| 35 | Tanjung Langsung | | 33 | 30.85 |
| 36 | Tebrau | | 33 | 30.60 |
| 37 | Teluk Ramunia | | 33 | 2.44 |
| 38 | Ulu Tiram | | 33 | 31.36 |
| 1 | Bona Vita | MELAKA | 11 | 5.71 |
| 2 | Kampung Gedek | | 11 | 4.86 |
| 3 | Masjid Tanah | | 11 | 6.51 |
| 4 | Zarina | | 11 | 4.81 |
| 5 | Bukit Rambai | | 33 | 4.70 |
| 6 | Cheng | | 33 | 22.78 |
| 7 | Hicom Pegoh | | 33 | 3.62 |
| 8 | Jasin | | 33 | 13.12 |
| 9 | Metacorp | | 33 | 16.63 |
| 10 | Pulau Gadong | | 33 | 5.35 |
| 11 | Tangga Batu | | 33 | 7.55 |
| 12 | Ujung Pasir | | 33 | 25.01 |

| No | Substation Name | State | Connection Point (kV) | Allowable Connected Capacity (MW) |
|----|---------------------------------------|--------------------|-----------------------|-----------------------------------|
| 1 | Bahau | NEGERI SEMBILAN | 11 | 8.54 |
| 2 | Chembong | | 11 | 2.22 |
| 3 | Mantin | | 11 | 6.09 |
| 4 | Rantau | | 11 | 5.24 |
| 5 | Simpang Pertang | | 11 | 3.15 |
| 6 | Teluk Kemang | | 11 | 6.71 |
| 7 | Arab Malaysian Industrial Development | | 33 | 18.60 |
| 8 | Paroi | | 33 | 10.15 |
| 9 | Sendayan | | 33 | 8.76 |

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|----|--------------------------|--------------|----|-------|
| 1 | Sentul Raya | KUALA LUMPUR | 11 | 5.37 |
| 2 | Ampang Gis | | 33 | 52.90 |
| 3 | Bandar Tun Razak | | 33 | 26.53 |
| 4 | Batu Cave | | 33 | 34.60 |
| 5 | Brickfield | | 33 | 18.15 |
| 6 | Bukit Jalil | | 33 | 29.54 |
| 7 | Bukit Mahkamah | | 33 | 20.14 |
| 8 | Damansara Height | | 33 | 20.34 |
| 9 | Danau Desa | | 33 | 21.24 |
| 10 | Dang Wangi | | 33 | 2.95 |
| 11 | Galloway | | 33 | 15.42 |
| 12 | Harta Kemuncak | | 33 | 33.38 |
| 13 | Jalan Imbi | | 33 | 19.53 |
| 14 | Kampung Lanjut | | 33 | 29.81 |
| 15 | Kl Pavilion | | 33 | 29.53 |
| 16 | Kuala Lumpur City Centre | | 33 | 19.48 |
| 17 | Kuala Lumpur East | | 33 | 28.62 |
| 18 | Kuala Lumpur North (Gis) | | 33 | 42.05 |
| 19 | Kuala Lumpur South (Gis) | | 33 | 32.68 |
| 20 | Manjalara | | 33 | 25.19 |
| 21 | Mid Valley | | 33 | 13.81 |
| 22 | Pandan Maju | | 33 | 61.92 |
| 23 | Pantai | | 33 | 19.21 |
| 24 | Pudu Ulu | | 33 | 35.70 |
| 25 | Segambut | | 33 | 36.30 |
| 26 | Sentul Raya | | 33 | 23.26 |
| 27 | Sppk Cheras | | 33 | 47.52 |
| 28 | Sri Damansara | | 33 | 30.69 |
| 29 | Sri Hartamas | | 33 | 16.95 |
| 30 | Sun City (Gis) | | 33 | 3.18 |
| 31 | Titiwangsa | | 33 | 20.42 |
| 32 | Tnb Hq | | 33 | 23.81 |
| 33 | Vision City | | 33 | 19.58 |
| 34 | Wangsa Maju | | 33 | 34.14 |

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|---|-----------------------|-------------------------|----|-------|
| 1 | Abu Bakar Baginda | PUTRAJAYA/ CYBERJAYA | 33 | 33.56 |
| 2 | Cyberjaya North Gis | | 33 | 38.45 |
| 3 | Putrajaya Central Gis | | 33 | 13.54 |
| 4 | Serdang Power Station | | 33 | 17.51 |

| No | Substation Name | State | Connection Point (kV) | Allowable Connected Capacity (MW) |
|----|------------------------------------|----------|-----------------------|-----------------------------------|
| 1 | Port Klang Power Station | SELANGOR | 11 | 4.35 |
| 2 | Air Hitam Selangor | | 33 | 11.37 |
| 3 | Balakong | | 33 | 33.58 |
| 4 | Bandar Baru Salak Tinggi | | 33 | 11.32 |
| 5 | Bandar Botanic | | 33 | 16.37 |
| 6 | Banting | | 33 | 21.15 |
| 7 | Batang Berjantai | | 33 | 13.46 |
| 8 | Batu Tiga | | 33 | 26.00 |
| 9 | Beranang | | 33 | 15.73 |
| 10 | Bukit Badong | | 33 | 34.91 |
| 11 | Bukit Beruntung | | 33 | 11.49 |
| 12 | Bukit Changgang | | 33 | 4.26 |
| 13 | Bukit Jelutong | | 33 | 15.78 |
| 14 | Bukit Kapar | | 33 | 24.13 |
| 15 | Bukit Raja (Gis) | | 33 | 32.23 |
| 16 | Bukit Sentosa | | 33 | 9.72 |
| 17 | Cheras Jaya | | 33 | 51.43 |
| 18 | Connought Prige | | 33 | 19.00 |
| 19 | Hicom | | 33 | 22.69 |
| 20 | Ingerback | | 33 | 26.43 |
| 21 | Jalan Meru | | 33 | 36.41 |
| 22 | Kajang | | 33 | 41.85 |
| 23 | Kajang Estate | | 33 | 16.24 |
| 24 | Kalumpang | | 33 | 4.20 |
| 25 | Kampung Chempaka | | 33 | 19.17 |
| 26 | Kampung Subang | | 33 | 23.26 |
| 27 | Kota Damansara | | 33 | 30.82 |
| 28 | Kota Kemuning | | 33 | 26.83 |
| 29 | Kuala Lumpur International Airport | | 33 | 4.32 |
| 30 | Kuala Selangor | | 33 | 13.17 |
| 31 | Ladang Kundang | | 33 | 20.41 |
| 32 | Mahkota Cheras | | 33 | 16.56 |
| 33 | Maxharta | | 33 | 22.65 |
| 34 | Mutiara Damansara | | 33 | 12.26 |
| 35 | National Universiti (Gis) | | 33 | 42.50 |
| 36 | New Rawang | | 33 | 27.49 |
| 37 | New Sea Park | | 33 | 21.19 |
| 38 | New Subang Uda | | 33 | 13.02 |
| 39 | North Klang Strait | | 33 | 22.55 |
| 40 | Pandamaran | | 33 | 20.58 |
| 41 | Petaling Jaya South | | 33 | 30.27 |
| 42 | Proton | | 33 | 59.59 |
| 43 | Puchong Jaya | | 33 | 28.15 |
| 44 | Puchong Perdana | | 33 | 37.39 |
| 45 | Pulau Indah | | 33 | 49.32 |
| 46 | Serdang New (Ais) | | 33 | 37.96 |
| 47 | Serdang Raya | | 33 | 18.78 |
| 48 | Setia Alam | | 33 | 32.03 |
| 49 | Shah Alam Bandar | | 33 | 26.24 |
| 50 | Shah Alam East | | 33 | 37.77 |
| 51 | Shah Alam Seksyen 18 Gis | | 33 | 16.04 |
| 52 | Shah Alam South | | 33 | 10.76 |
| 53 | Shah Alam West | | 33 | 17.82 |
| 54 | Subang Dca | | 33 | 24.76 |
| 55 | Subang Jaya Town Centre Gis | | 33 | 26.81 |
| 56 | Sungai Besar | | 33 | 8.89 |

| No | Substation Name | State | Connection Point (kV) | Allowable Connected Capacity (MW) |
|----|----------------------------|----------|-----------------------|-----------------------------------|
| 57 | Sungai Semenyih Water Work | SELANGOR | 33 | 11.54 |
| 58 | Taman Jaya | | 33 | 23.16 |
| 59 | Teluk Panglima Garang | | 33 | 38.68 |
| 60 | Temasya | | 33 | 15.38 |

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|----|------------------------|-------|----|-------|
| 1 | Kemunting | PERAK | 11 | 19.91 |
| 2 | Lumut Maritime | | 11 | 5.31 |
| 3 | Silibin Gis | | 11 | 6.35 |
| 4 | Sri Iskandar | | 11 | 7.05 |
| 5 | Taiping Industrial | | 11 | 10.15 |
| 6 | Teluk Intan | | 11 | 8.22 |
| 7 | Bidor | | 33 | 9.44 |
| 8 | Bukit Merah | | 33 | 9.50 |
| 9 | Cenderoh Power Station | | 33 | 5.07 |
| 10 | Gopeng Road | | 33 | 22.29 |
| 11 | Greentown | | 33 | 14.39 |
| 12 | Grik | | 33 | 3.26 |
| 13 | Hutan Melintang | | 33 | 17.57 |
| 14 | Kampar | | 33 | 2.97 |
| 15 | Kelebang | | 33 | 10.95 |
| 16 | Kinta Valley Resort | | 33 | 20.10 |
| 17 | Lumut Maritime | | 33 | 35.71 |
| 18 | Lumut Maritime | | 33 | 25.25 |
| 19 | Menglembu | | 33 | 22.15 |
| 20 | New Khantan | | 33 | 10.72 |
| 21 | Pengkalan | | 33 | 22.50 |
| 22 | Pengkalan Industri | | 33 | 5.15 |
| 23 | Proton City | | 33 | 4.45 |
| 24 | Sri Iskandar | | 33 | 17.36 |
| 25 | Sungai Siput | | 33 | 10.95 |
| 26 | Taiping Industrial | | 33 | 21.26 |
| 27 | Tasik | | 33 | 2.75 |
| 28 | Temoh | | 33 | 8.65 |

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|----|--------------------------------------|--------------|----|-------|
| 1 | Butterworth North | PULAU PINANG | 11 | 2.87 |
| 2 | Simpang Empat | | 11 | 4.56 |
| 3 | Air Terjun (Tanjung Tokong - Ttkg) | | 33 | 31.08 |
| 4 | Batu Kawan South | | 33 | 10.20 |
| 5 | Bayan Baru | | 33 | 48.50 |
| 6 | Bayan Lepas | | 33 | 87.83 |
| 7 | Bayan Mutiara | | 33 | 33.71 |
| 8 | Bukit Mertajam | | 33 | 11.53 |
| 9 | Bukit Minyak | | 33 | 26.20 |
| 10 | Bukit Tambun | | 33 | 26.53 |
| 11 | Bukit Tengah | | 33 | 29.94 |
| 12 | Butterworth North | | 33 | 22.50 |
| 13 | Farlim | | 33 | 12.76 |
| 14 | Penang (Gelugor) Power Station (New) | | 33 | 28.66 |
| 15 | Prai (Gis) | | 33 | 26.85 |
| 16 | Prai Industrial Estate | | 33 | 60.67 |
| 17 | Seberang Jaya | | 33 | 22.13 |
| 18 | Seungai Kechil | | 33 | 11.48 |
| 19 | Simpang Empat East | | 33 | 20.76 |
| 20 | Sungai Ara | | 33 | 22.30 |
| 21 | Sungai Pinang | | 33 | 20.47 |

| No | Substation Name | State | Connection Point (kV) | Allowable Connected Capacity (MW) |
|----|------------------------|-------|-----------------------|-----------------------------------|
| 1 | Alor Setar (Gis) | KEDAH | 11 | 4.28 |
| 2 | Aman Jaya | | 11 | 4.73 |
| 3 | Bukit Kayu Hitam | | 11 | 3.87 |
| 4 | Bukit Selambau | | 11 | 2.01 |
| 5 | Gua Cempedak | | 11 | 3.58 |
| 6 | Gurun | | 11 | 3.02 |
| 7 | Kota Sarang Semut | | 11 | 3.82 |
| 8 | Kota Star | | 11 | 8.76 |
| 9 | Kuala Ketil | | 11 | 5.29 |
| 10 | Mergong | | 11 | 4.35 |
| 11 | Sungai Petani Industri | | 11 | 11.15 |
| 12 | Tanjung Pauh | | 11 | 4.91 |
| 13 | Ulu Melaka | | 11 | 2.18 |
| 14 | Alor Setar (Gis) | | 33 | 26.17 |
| 15 | Aman Jaya | | 33 | 12.08 |
| 16 | Baling | | 33 | 10.14 |
| 17 | Bukit Kayu Hitam | | 33 | 9.35 |
| 18 | Gurun East | | 33 | 8.62 |
| 19 | Guthrie | | 33 | 18.02 |
| 20 | Kota Sarang Semut | | 33 | 2.55 |
| 21 | Kota Star | | 33 | 7.11 |
| 22 | Kuala Ketil | | 33 | 4.97 |
| 23 | Kulim | | 33 | 26.15 |
| 24 | Mergong | | 33 | 9.44 |
| 25 | Sungai Petani Industri | | 33 | 6.03 |
| 26 | Taman Intan | | 33 | 12.46 |
| 27 | Tanjung Pauh | | 33 | 8.14 |
| 28 | Teluk Ewa | | 33 | 10.27 |
| 29 | Tikam Batu | | 33 | 11.50 |
| 30 | Ulu Melaka | | 33 | 13.32 |

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| 1 | Chuping | PERLIS | 11 | 4.25 |
| 2 | Kangar | | 11 | 8.00 |
| 3 | Kangar | | 33 | 10.11 |

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|----|----------------|----------|----|-------|
| 1 | Gua Musang | KELANTAN | 11 | 4.00 |
| 2 | Kota Bharu | | 11 | 9.60 |
| 3 | Jeli | | 33 | 3.33 |
| 4 | Kota Bharu | | 33 | 29.55 |
| 5 | Lemal | | 33 | 22.54 |
| 6 | Panchor | | 33 | 39.39 |
| 7 | Pasir Puteh | | 33 | 3.06 |
| 8 | Rantau Panjang | | 33 | 3.40 |
| 9 | Tanah Merah | | 33 | 11.28 |
| 10 | Tunjung | | 33 | 5.44 |

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|----|--------------------|------------|----|-------|
| 1 | Chendering | TERENGGANU | 11 | 8.20 |
| 2 | Chukai | | 11 | 4.59 |
| 3 | Dungun | | 11 | 4.48 |
| 4 | Gong Badak | | 11 | 4.00 |
| 5 | Kemaman | | 11 | 5.12 |
| 6 | Kuala Berang | | 11 | 4.44 |
| 7 | Kuala Terengganu | | 11 | 19.18 |
| 8 | Paka Power Station | | 11 | 7.98 |
| 9 | Rantau Petronas | | 11 | 3.72 |
| 10 | Telok Kalung | | 11 | 6.55 |
| 11 | Batu Rakit | | 33 | 3.18 |

| No | Substation Name | State | Connection Point (kV) | Allowable Connected Capacity (MW) |
|----|--------------------|------------|-----------------------|-----------------------------------|
| 12 | Chendering | TERENGGANU | 33 | 12.14 |
| 13 | Dungun Indutri | | 33 | 5.85 |
| 14 | Gong Badak | | 33 | 7.64 |
| 15 | Paka Power Station | | 33 | 4.53 |
| 16 | Seberang Jertih | | 33 | 17.03 |
| 17 | Telok Kalung | | 33 | 8.15 |

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|----|--|--------|----|-------|
| 1 | Bandar Indera Mahkota | PAHANG | 11 | 10.82 |
| 2 | Ketari | | 11 | 2.49 |
| 3 | Kuala Lipis (New) | | 11 | 5.87 |
| 4 | Kuantan | | 11 | 20.15 |
| 5 | Kuantan Central | | 11 | 4.29 |
| 6 | Maran | | 11 | 3.07 |
| 7 | Pekan | | 11 | 7.61 |
| 8 | Tanjung Gelang | | 11 | 14.10 |
| 9 | Temerloh Industrial | | 11 | 8.50 |
| 10 | Bandar Indera Mahkota | | 33 | 34.25 |
| 11 | Bandar Muazam Shah | | 33 | 5.87 |
| 12 | Gebeng | | 33 | 6.91 |
| 13 | Jerantut | | 33 | 7.68 |
| 14 | Kerayong | | 33 | 9.19 |
| 15 | Kuala Lipis (New) | | 33 | 4.94 |
| 16 | Tanjung Batu | | 33 | 2.72 |
| 17 | Tanjung Gemok | | 33 | 4.38 |
| 18 | Universiti Islam Antarabangsa Malaysia | | 33 | 2.05 |