

## TRANSMISSION SERVICE RATE SCHEDULE

### A SERVICE CONNECTION

#### A1 Service Connection

This includes cables, associated equipment and facilities to effect the connection of consumers'/generation companies' equipment to SP PowerAssets Limited's ["SPPA"] substation/network.

Connection Level	Supply Level
Low Tension (LT)	230V or 400V
High Tension (HT)	6.6kV or 22 kV
Extra High Tension (EHT)	66 kV
Ultra High Tension (UHT)	230kV

#### A2 Engineering Fees

Engineering fees are applicable to all cost items associated with service connection from SPPA's substation/network to consumers'/generation companies' premises as well as all cost items associated with required network augmentation.

Table 1 – Engineering Fees (Exclusive of GST)#

Category	Connection Cost	Rate	Engineering Fee (\$)
1	Up to \$100,000	20%	20,000
2	First \$100,000	-	20,000
	Next \$900,000	7.5%	-
3	First \$1m	-	87,500
	Next \$4m	6.5%	-
4	First \$5m	-	347,500
	Next \$5m	6.0%	-
5	First \$10m	-	647,500
	Next \$10m	5.5%	-
6	First \$20m	-	1,197,500
	Next \$10m	5.0%	-
7	First \$30m	-	1,697,500
	Above \$30m	4.5%	-

# Please refer to Table 1A in Appendix 1 for charges inclusive of GST.

## **B SERVICE CONNECTION CHARGES**

### **B1 Service Connection Charges for LT Supply**

All LT consumers are required to pay a one-time upfront service connection charge. This charge varies for different load requirements and is categorised as follows:

#### **[a] Development Without Substation**

The service connection charge comprises the cost based on requirement in kVA of tapping supply from both the High Tension [HT] and LT networks, which includes the cost of service cables.

For individual consumers without substations, the cost of LT service cable for the same capacity may vary widely depending on their locations with respect to the nearest LT mains. These consumers are not the sole beneficiaries of the extension of the LT network. To achieve a greater degree of equity in terms of cost for these general consumers, a standard cost approach is adopted by grouping consumers with similar supply requirements. The average global cost per kVA is determined based on past statistics. For example, this category of consumers which comprises mainly landed residential owners applying for the same applied load, will pay the same standard connection charge regardless of the location of their premises from the existing LT network.

#### **[b] Development With Substation**

The service connection charge comprises the cost based on requirement in kVA of tapping supply from the HT network and the cost of service cable.

The cost of tapping supply from the HT network refers to the cost of cables and consumables used in setting up a new distribution substation. It excludes the cost of shared network assets such as switchgear, transformer and HT network cables. The cost is spread to all new consumers proportionally on a per kVA basis.

For consumers with substations, their supply intake point is usually adjacent to the substation, which requires a service cable of approximately 15m in most instances. Therefore, the standard cost of service cable is computed based on a length of 15m. Consumers shall pay the additional cost for service cable exceeding 15m. In addition, consumers shall also pay for those dedicated assets, such as switchgear and transformers, which are serving them and do not benefit others.

Table 2 – Low Tension Standard Connection Charge [Exclusive of GST]#

Capacity Requirement in kVA	Capacity of Final Service Cable	Type of Final LT Service Cable	Development without Substation	Development with Substation*
			Standard Connection Charge (\$)	Standard Connection Charge (\$)
<b>Underground Connection</b>				
Up to 15 [existing premises]	23	35mm <sup>2</sup> 2C	1,600	)
Up to 15 [new premises]	23	35mm <sup>2</sup> 2C	1,900	)
16 - 23	23	35mm <sup>2</sup> 2C	2,800	)
16 - 45	45	35mm <sup>2</sup> 4C	5,300	)
46 - 75	75	35mm <sup>2</sup> 4C	8,800	6,700
76 - 140	140	120mm <sup>2</sup> 4C Al	16,700	)
141 - 180	180	185mm <sup>2</sup> 4C Al	22,000	)
181 - 230	230	300mm <sup>2</sup> 4C Al	28,700	)
231 - 280	280	300mm <sup>2</sup> 4C Cu	34,400	8,500
281 - 460	460	2x300mm <sup>2</sup> 4C Al	NA	12,600
461 - 560	560	2x300mm <sup>2</sup> 4C Cu	NA	17,700
561 - 1000	1,000	7x500mm <sup>2</sup> 1C	NA	26,000

# Please refer to Table 2A in Appendix 2 for charges inclusive of GST.

\* For service cable not exceeding 15m. For longer lengths, additional charges shall apply.

Standard charges are only applicable to consumers who are connected to the shared network. Standard charges are not applicable to consumers where the network extension is unlikely to be shared by others. Some of these include supply to HDB premises, premises involving installation of bigger capacity cable in order to overcome the excessive voltage drop, temporary work sites, public installations and offshore island premises. These consumers will be required to pay for the full connection network cost, based on user-pay principle, as they are the main beneficiaries.

## B2 Service Connection Charges for HT, EHT and UHT Supply

Consumers taking HT, EHT and UHT supply shall pay the cost of the service connections to their intake equipment including cables, associated equipment and facilities to effect the connection of consumers' equipment to SPPA's substation/network.

The service connection shall cater for single contingency. Consumers requesting for additional level of contingency that exceeds the single contingency standard are required to pay for the full cost of such provision.

## B3 Dedicated Network/Substation

The developer or consumer shall pay the full cost of all associated equipment and facilities under a dedicated network/substation scheme for which the network capacity is intended to serve the developer's development or consumer's premise(s) exclusively.

A substation comprises land, building, electrical equipment and associated cables. A substation which serves a development or premise has to be provided and paid for by the developer or consumer. As the capacity of electrical equipment is lumpy, the substation may have excess capacity. The developer or consumer will carry the cost of this excess capacity which cannot be avoided. As this substation is required to serve mainly the development's or consumer's load, it is considered a dedicated substation.

To reduce cost, a developer or consumer can choose to let SPPA bear the cost of the electrical equipment and associated cables, thus making the network/substation a non-dedicated one. In return, SPPA must be allowed to allocate the excess capacity to other consumers. Even after the excess capacity is allocated, SPPA shall return the capacity to the developer or consumer if his demand grows later provided existing allocated capacity to other consumers can be diverted. The latter provision shall also apply to the decommissioning of the substation. At present, most substations provided by developers or consumers are non-dedicated substations.

## C GENERATION CONNECTION CHARGES

Table 3: Generation Connection Charges [Exclusive of GST]#

Connection Level	Charge
UHT (230kV or 400kV)	\$50,000 per MW of Installed Generation Capacity*
EHT (66kV)	Based on cost of service connections to generation companies' equipment, including cables, associated equipment and facilities, to effect the connection to SPPA's substation/network.
HT (6.6kV or 22kV)	
LT (230V or 400V)	

# Please refer to Table 3A in Appendix 2 for charges inclusive of GST.

\* Rate is only applicable for cable installation by conventional direct burial method.

**D ATTENDANCE CHARGE FOR POWER FAILURE CAUSED BY FAULT WITHIN CONSUMER'S INSTALLATION**

Table 4: Attendance Charge [Exclusive of GST]#

Consumer Type	Charge per Attendance
LT Domestic	\$5
LT Non-Domestic	\$30
HT	\$120

# Please refer to Table 4A in Appendix 3 for charges inclusive of GST.

**E CHARGE FOR RECONNECTION DUE TO INVOLUNTARY DISCONNECTION**

Table 5: Reconnection Charge [Exclusive of GST]#

Connection Level	Charge per Connection		
	Weekday		Weekend/ Public Holiday
	Office Hours [8.00 am to 5.30pm]	After Office Hours	
LT	\$15	\$100	\$100
HT	\$120	\$200	\$200
EHT	\$180	\$300	\$300

# Please refer to Table 5A in Appendix 3 for charges inclusive of GST.

**F CHARGE FOR VOLUNTARY TEMPORARY DISCONNECTION & RECONNECTION**

Table 6: Voluntary Temporary Disconnection & Reconnection Charge [Exclusive of GST]#

Connection Level	Charge per Feeder/Connection		
	Weekday		Weekend/ Public Holiday
	Office Hours [8.00 am to 5.30pm]	After Office Hours	
LT	NA	\$100	\$100
HT	NA	\$200	\$200
EHT	NA	\$300	\$300

# Please refer to Table 6A in Appendix 3 for charges inclusive of GST.

**G RE-APPOINTMENT CHARGE FOR ENERGISATION OF SERVICE CONNECTION**

\$45 per connection [Exclusive of GST]#

# Please refer to Appendix 3 for charges inclusive of GST

## H METER SERVICE CHARGES

Table 7: Meter Service Charges (Exclusive of GST)#

1	Site testing of Single Phase Meter	: \$ 30 per meter per trip
2	Site testing of Three Phase Whole-Current Meter	: \$ 30 per meter per trip
3	Site testing of CT-operated Meter	: All meter under customer account @ \$80 per meter per trip
4	Additional charges for site testing	: Weekday after office hours : \$150 per trip Weekend/Public Holiday : \$300 per trip
5	Auditing of Meter Data	: \$ 100 per man-day or part thereof
6	Express service for meter installation	: Weekday : \$150 per man-day per site Weekend/Public Holiday : \$300 per man-day per site
7	Meter Installation/ Replacement of metering transformers	: Weekday after office hours : \$150 per man-day per site  Weekend/Public Holiday : \$300 per man-day per site

**Note :** Office hours are from 8.00 am to 5.30 pm on weekdays from Monday to Friday.

# Please refer to Table 7A in Appendix 4 for charges inclusive of GST.

## I ADVANCED METERING INFRASTRUCTURE (AMI) METER CHARGE

Table 8: AMI Meter Charge (Exclusive of GST)#

<p>Applicable for any:</p> <p>(i) newly contestable <u>business</u> consumer, and</p> <p>(ii) household consumer who opt to use AMI meters (instead of load profiling) in OEM</p> <p>This will apply to Customer Transfer Request or Metering Option Change Request effected on 20 Mar 2018 onwards.</p>	<p>Installation Fee of \$40.00 per AMI meter</p>
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# Please refer to Table 8A in Appendix 4 for charges inclusive of GST.

**J USE OF SYSTEM (UOS) CHARGES EFFECTIVE FROM 1 APRIL 2023**

Table 9a : UOS Charges (Exclusive of GST)# From 1 April 2023 to 30 June 2023

	Contracted Capacity Charge (\$/kW/month)	Peak Period Charge (¢/kWh)	Off-Peak Period Charge (¢/kWh)	Reactive Power Charge (¢/kVAh)	Uncontracted Capacity Charge <sup>7</sup> (\$/kW/month)	Uncontracted Standby Capacity Charge <sup>10</sup> (\$/kW/month)		
						CCS <sup>8</sup>	ECCS <sup>9</sup>	
							Tier 1	Tier 2
Ultra High Tension <sup>1</sup>	8.38	0.06	0.02	0.44	12.57	41.90	41.90	100.56
Extra High Tension <sup>2</sup>	10.56	0.08	0.03	0.48	15.84	52.80	52.80	126.72
High Tension - Large <sup>3</sup>	12.67	0.74	0.08	0.59	19.01	63.35	63.35	152.04
High Tension - Small <sup>4</sup>	12.67	0.96	0.09	0.59	19.01	63.35	63.35	152.04
Low Tension - Large <sup>5</sup>	-	6.25	4.93	-	-	-	-	-
Low Tension - Small <sup>6</sup>	-	6.25		-	-	-	-	-

# Please refer to Table 9A in Appendix 5 for charges inclusive of GST.

Table 9b : UOS Charges (Exclusive of GST)# From 1 July 2023 to 30 September 2023

	Contracted Capacity Charge [\$/kW/month]	Peak Period Charge [¢/kWh]	Off-Peak Period Charge [¢/kWh]	Reactive Power Charge [¢/kVArh]	Uncontracted Capacity Charge <sup>7</sup> [\$/kW/month]	Uncontracted Standby Capacity Charge <sup>10</sup> [\$/kW/month]		
						CCS <sup>8</sup>	ECCS <sup>9</sup>	
							Tier 1	Tier 2
Ultra High Tension <sup>1</sup>	8.58	0.06	0.02	0.44	12.87	42.90	42.90	102.96
Extra High Tension <sup>2</sup>	11.06	0.08	0.03	0.48	16.59	55.30	55.30	132.72
High Tension - Large <sup>3</sup>	13.44	0.74	0.08	0.59	20.16	67.20	67.20	161.28
High Tension - Small <sup>4</sup>	13.44	0.96	0.09	0.59	20.16	67.20	67.20	161.28
Low Tension - Large <sup>5</sup>	-	6.25	4.93	-	-	-	-	-
Low Tension - Small <sup>6</sup>	-	6.25		-	-	-	-	-

# Please refer to Table 9B in Appendix 5 for charges inclusive of GST.

Table 9c : UOS Charges (Exclusive of GST)# From 1 October 2023 to 31 December 2023

	Contracted Capacity Charge [\$/kW/month]	Peak Period Charge [¢/kWh]	Off-Peak Period Charge [¢/kWh]	Reactive Power Charge [¢/kVArh]	Uncontracted Capacity Charge <sup>7</sup> [\$/kW/month]	Uncontracted Standby Capacity Charge <sup>10</sup> [\$/kW/month]		
						CCS <sup>8</sup>	ECCS <sup>9</sup>	
							Tier 1	Tier 2
Ultra High Tension <sup>1</sup>	8.79	0.06	0.02	0.44	13.19	43.95	43.95	105.48
Extra High Tension <sup>2</sup>	11.58	0.08	0.03	0.48	17.37	57.90	57.90	138.96
High Tension - Large <sup>3</sup>	14.25	0.74	0.08	0.59	21.38	71.25	71.25	171.00
High Tension - Small <sup>4</sup>	14.25	0.96	0.09	0.59	21.38	71.25	71.25	171.00
Low Tension - Large <sup>5</sup>	-	6.25	4.93	-	-	-	-	-
Low Tension - Small <sup>6</sup>	-	6.25		-	-	-	-	-

# Please refer to Table 9C in Appendix 5 for charges inclusive of GST.

Table 9d : UOS Charges (Exclusive of GST)# From 1 January 2024 to 31 March 2024

	Contracted Capacity Charge (\$/kW/month)	Peak Period Charge (¢/kWh)	Off-Peak Period Charge (¢/kWh)	Reactive Power Charge (¢/kVArh)	Uncontracted Capacity Charge <sup>7</sup> (\$/kW/month)	Uncontracted Standby Capacity Charge <sup>10</sup> (\$/kW/month)		
						CCS <sup>8</sup>	ECCS <sup>9</sup>	
							Tier 1	Tier 2
Ultra High Tension <sup>1</sup>	9.00	0.06	0.02	0.44	13.50	45.00	45.00	108.00
Extra High Tension <sup>2</sup>	12.12	0.08	0.03	0.48	18.18	60.60	60.60	145.44
High Tension - Large <sup>3</sup>	15.12	0.74	0.08	0.59	22.68	75.60	75.60	181.44
High Tension - Small <sup>4</sup>	15.12	0.96	0.09	0.59	22.68	75.60	75.60	181.44
Low Tension - Large <sup>5</sup>	-	6.25	4.93	-	-	-	-	-
Low Tension - Small <sup>6</sup>	-	6.25		-	-	-	-	-

# Please refer to Table 9D in Appendix 5 for charges inclusive of GST.

1 Ultra High Tension - for consumers taking supplies at 230kV, 50Hz, 3-phase, 3-wire for connection with minimum Contracted Capacity of 85,000kW\*

2 Extra High Tension - for consumers taking supplies at 66kV, 50Hz, 3-phase, 3-wire for a Contracted Capacity:

- (a) between 25,501kW and 84,999kW for service connection from the nearest feasible 66kV substation\*
- (b) between 85,000kW and 170,000kW for connection from the nearest feasible 66kV source station\*

The above shall apply to new and existing customers.

3 High Tension-Large - for consumers taking supplies at 22kV or 6.6kV, 50Hz, 3-phase, 3-wire for a Contracted Capacity:

- (a) between 1,700kW and 12,750kW for 1 or 2 HT 22kV services\*
- (b) between 12,751kW and 25,500kW for 3 or 4 HT 22kV services\*

4 High Tension-Small - for consumers taking supplies at 22kV or 6.6kV, 50Hz, 3-phase, 3-wire for connection with Contracted Capacity of less than 1,700kW.

5 Low Tension-Large - for contestable consumers taking supplies at 400V/230V.

6 Low Tension-Small - for non-contestable consumers taking supplies at 400V/230V. These are consumers who choose to buy electricity from SP Group at the regulated tariff.

7 The Uncontracted Capacity Charge (UCC) applies in the event that the maximum demand in kW (measured by the half-hour integration meter) exceeds the Contracted Capacity. UCC applies to:

- (a) Normal customers without embedded generation;
- (b) Customers with embedded generation who require top-up supplies and opt to summate their kW output from embedded generation and kW demand from the network (i.e Summation Scheme) for determining maximum demand; and
- (c) Customers with embedded generation who require top-up supplies and opt to cap their power demand in kW drawn from the network (i.e Capped Capacity Scheme or Extended Capped Capacity Scheme). The UCC applies in the event that the maximum demand in kW (measured by the half-hour integration meter) exceeds the contracted capacity and shall be limited to 20% of the Contracted Capacity.

8 For Capped Capacity Scheme (CCS), the Uncontracted Standby Capacity Charge (USCC), at 5 times of Contracted Capacity Charge, applies in the event that the demand in kW (measured by the power meter) drawn from the network exceeds 120% of the contracted capacity for a duration of more than 10 seconds continuously.

9 For Extended Capped Capacity Scheme (ECCS), the 2-tier Uncontracted Standby Capacity Charge (USCC) applies as follows:

- Tier 1: 5 times of Contracted Capacity Charge is applicable if the demand in kW drawn from the network exceeds 120% and up to 200% of the contracted capacity for a duration of more than 100 seconds continuously.
- Tier 2: 12 times of Contracted Capacity Charge is applicable if the demand in kW drawn from the network exceeds 200% of the contracted capacity for a duration of more than 10 seconds continuously.

10 For both CCS and ECCS, the consumer shall at its own expense, install and maintain Load Limiting Device, in accordance with requirements that the Transmission Licensee may stipulate from time to time.

\* Based on power factor of 0.85

## Notes On Use-of-System Charges Effective from 1 April 2018

### 1 Supply Categories

The Use-of-System [UOS] Charges shall be paid for electricity transmission services at each metered intake supply point in accordance with the voltage at which a consumer receives the electricity supply. The UOS Charges are applicable for the following categories of supplies :

- **Low Tension [LT] Supplies at 400V/230V**  
Supply to Low Tension-Small Consumer  
Supply to Low Tension-Large Consumer
- **High Tension [HT] Supplies at 22kV and 6.6kV**  
  
Supply to High Tension-Small Consumer, whose Contracted Capacity is less than 1,700 kW per month at each metered intake supply point.  
  
Supply to High Tension-Large Consumer, whose Contracted Capacity is at least 1,700 kW per month at each metered intake supply point.
- **Extra-High Tension [EHT] Supplies at 66kV**  
Supply to Extra-High Tension Consumer
- **Ultra-High Tension [UHT] Supplies at 230kV**  
Supply to Ultra-High Tension Consumer
- **Temporary Supplies**  
Temporary Supplies apply only to LT and HT supplies for temporary civil engineering and building construction sites.

### 2 Low Tension Supplies

#### 2.1 Low Tension Small Consumer

LT supplies [in kWh] to all non-contestable LT consumers are metered on a monthly basis. A flat per kWh UOS rate is levied at each metered intake supply point. These are consumers who choose to buy electricity from SP Group at the regulated tariff.

#### 2.2 Low Tension Large Consumer

LT Supplies to these contestable consumers are metered on energy [kWh] on a half-hourly time-of-day basis. The respective per kWh charges shall be levied at a “Peak” and an “Off-peak” period for the energy supplied at each metered intake supply point.

### 2.2.1 Peak Period Charge

The Peak Period Charge payable shall be the monthly charge based on the energy (in kWh) supplied to an installation during the peak period, 7.00 am to 11.00 pm, in that month.

### 2.2.2 Off-Peak Period Charge

The Off-Peak Period Charge payable shall be the monthly charge based on the energy (in kWh) supplied to an installation during the off-peak period, 11.00 pm to 7.00 am, in that month.

## 3 High Tension, Extra-High Tension and Ultra-High Tension Supplies

For HT (i.e. HT Small and HT Large), EHT and UHT Supplies, UOS Charges shall be levied at each metered intake supply point as follows :

- a. Contracted Capacity Charge;
- b. Peak Period Charge;
- c. Off-peak Period Charge;
- d. Reactive Power Charge;
- e. Uncontracted Capacity Charge, and
- f. Uncontracted Standby Capacity Charge (applicable to consumers with embedded generation who opt to cap their power demand drawn from the network).

### 3.1 Contracted Capacity Charge

3.1.1 The Contracted Capacity Charge is a monthly charge payable in any month for the Contracted Capacity at each intake supply point of a consumer. The Contracted Capacity shall be the supply capacity (in kW), which is requested by the consumer for that intake supply point. For the avoidance of doubt, and without prejudice to paragraph 3.1.3 herein, the consumer shall not be allowed to reduce the declared Contracted Capacity upon the signing of the Consumer Connection Agreement / Supply Agreement, notwithstanding the fact that the energisation of the new supply has still not taken place.

3.1.2 For a new connection, consumers are subject to a binding period of 5 years from the target date or the commissioning date for SPPA's plant and equipment, except for the service cable, whichever is later. During the 5-year binding period, no reduction to the Contracted Capacity is allowed.

For **new** HT, EHT and UHT connections, the **minimum Contracted Capacity** for each intake supply point is as follows :

HT with 1 or 2 feeders	1,700 kW,
HT with 3 or 4 feeders	12,751 kW,
EHT	25,501 kW,
UHT	85,000 kW.

During the first year of the 5-year binding period, requests for intermediate incremental steps of Contracted Capacity may be made before the full Contracted Capacity is implemented. The first step shall be at least one quarter ( $\frac{1}{4}$ ) of the consumer's requested full Contracted Capacity at each intake supply point.

3.1.3 After the initial 5-year binding period, the consumer may, by giving at least 10 business days' notice in writing, reduce his Contracted Capacity at each intake supply point subject to the following **minimum values**:

HT with 1 or 2 feeders	850 kW,
HT with 3 or 4 feeders	6,375 kW,
EHT	12,750 kW,
UHT	42,500 kW.

Any such reduction in Contracted Capacity shall be subject to a 1-year binding period from the effective date of the revised Contracted Capacity, i.e. the consumer shall not be entitled to make any further reduction in the Contracted Capacity within one year following any such reduction. The Market Support Services Licensee will inform the consumer of the date of their billing cycle. The consumer will be billed based on the revised Contracted Capacity for the entire billing cycle that encompasses the effective date of the revised Contracted Capacity.

3.1.4 The consumer, may, by giving at least 15 business days' notice in writing, may be allowed to increase his Contracted Capacity, during the 5-year or 1-year binding period. The revised Contracted Capacity shall apply for the remainder of the initial 5-year binding period or for a minimum period of 1 year, whichever is later, provided SPPA is not required to install new or additional equipment. The consumer will be billed based on the revised Contracted Capacity for the entire billing cycle that encompasses the effective date of the revised Contracted Capacity. Reduction of Contracted Capacity during binding periods will not be allowed.

3.1.5 A consumer whose revised Contracted Capacity requires SPPA to install new or additional equipment shall be considered as receiving a new supply with a new 5-year binding period.

3.1.6 Subject to Clause 3.1.4 and 3.1.5, the UCC incurred by a consumer in a particular month (“UCC Month”) can be converted into Contracted Capacity Charge provided:

- (i) The consumer submits the request for an increase in Contracted Capacity no later than 2 weeks after the date of the bill for the UCC Month;
- (ii) The revised Contracted Capacity is not less than the maximum demand recorded in the UCC Month;
- (iii) The revised Contracted Capacity does not require the Transmission Licensee to install new or additional equipment; and
- (iv) Upon approval by the Transmission Licensee, the revised Contracted Capacity shall take effect on the first day of the UCC Month and thereafter shall not be reduced within one year, or the remaining of the 5-year binding period, whichever is later.

3.1.7 For a new development with landlord and tenants, the Contracted Capacity required by the landlord himself and his tenants (HT and above) must in aggregate meet the minimum values set out in paragraphs 3.1.2 to 3.1.3 above in order for the landlord to qualify for HT, EHT or UHT supplies. If landlord or its tenants (HT and above) request to revise their Contracted Capacity, the aggregate Contracted Capacity after revision must meet the minimum Contracted Capacity values and subject to the same terms and conditions for revision of Contracted Capacity set out in paragraphs 3.1.3 and 3.1.4.

3.1.8 Existing HT, EHT or UHT consumers may have Contracted Capacity below the minimum Contracted Capacity as specified in paragraphs 3.1.2 and 3.1.3. For such consumers, they may request to increase (but not decrease) their Contracted Capacity in the manner as described above.

### 3.2 Peak Period Charge

The Peak Period Charge payable shall be the monthly charge based on the energy (in kWh) supplied to an installation during the peak period, 7.00 am to 11.00 pm, in that month.

### 3.3 Off-Peak Period Charge

The Off-Peak Period Charge payable shall be the monthly charge based on the energy (in kWh) supplied to an installation during the off-peak period, 11.00 pm to 7.00 am, in that month.

### 3.4 Reactive Power Charge

The Reactive Power Charge is a monthly charge payable in any month for the installation's excess kVAh consumption. The excess kVAh shall be the difference by which the installation's kVAh consumption drawn from the network in that month is greater than 62% of its kWh consumption drawn from the network in the same month.

### 3.5 Uncontracted Capacity Charge

3.5.1 The Uncontracted Capacity Charge is a monthly charge payable in any month for the Uncontracted Capacity utilised. The Uncontracted Capacity is the capacity in kW by which the maximum demand in kW (measured by the half-hour integration meter) exceeds the Contracted Capacity at that metered intake supply point.

3.5.2 The Uncontracted Capacity Charge shall apply to the following HT, EHT and UHT consumers :

- a. Normal consumers without embedded generation;
- b. Consumers with embedded generation whose monthly maximum demand in kW is the maximum summated demand in kW in the month, determined by summing the kW demand drawn from the network and the kW output from embedded generation (i.e. Summation Scheme); and
- c. Consumers with embedded generation who opt to cap their power demand in kW drawn from the network in the event that the maximum demand in kW (measured by the half-hour integration meter) exceeds the Contracted Capacity at that metered intake supply point (i.e. Capped Capacity Scheme or Extended Capped Capacity Scheme). The Uncontracted Capacity for these consumers shall be limited to 20% of the Contracted Capacity.

### 3.6 Uncontracted Standby Capacity Charge

3.6.1 The Uncontracted Standby Capacity Charge is a monthly charge payable in any month for the Uncontracted Standby Capacity utilised. The Uncontracted Standby Capacity Charge shall apply to those HT, EHT and UHT consumers with embedded generation who opt for the Capped Capacity Scheme or Extended Capped Capacity Scheme.

3.6.2 For Capped Capacity Scheme, the Uncontracted Standby Capacity Charge applies in the event the demand in kW drawn from the network (measured by the power meter) exceeds 120% of the Contracted Capacity at that metered intake supply point for a duration of more than 10 seconds continuously.

3.6.3 For Extended Capped Capacity Scheme, the Uncontracted Standby Capacity Charge applies in the event :

- the demand in kW drawn from the network exceeds 120% and up to 200% of the Contracted Capacity at that metered intake supply point for a duration of more than 100 seconds continuously; or
- the demand in kW drawn from the network exceeds 200% of the Contracted Capacity at that metered intake supply point for a duration of more than 10 seconds continuously.

3.6.4 For the avoidance of doubt, in the event Uncontracted Standby Capacity Charge applies in accordance with Clauses 3.6.2 and 3.6.3 above, Uncontracted Capacity Charge shall also be applicable for the Contracted Capacity portion which is 20% above the customer's declared Contracted Capacity.

## 4 Temporary Supplies

Temporary Supplies apply only to LT and HT supplies for temporary civil engineering and building construction sites. The UOS charges applicable for the LT and HT temporary supplies shall be the same as those used for LT and HT supplies respectively.

For temporary supplies at HT, the Contracted Capacity shall apply for a binding period of 2 years. Upward revision of the Contracted Capacity may be allowed during the validity of the binding period of the Contracted Capacity. The revised Contracted Capacity shall in such cases apply for a minimum period of 1 year, provided SPPA is not required to install new or additional equipment. Downward revision during such binding period will not be allowed. A consumer whose revised Contracted Capacity requires SPPA to install new or additional equipment, shall be considered as receiving a new temporary supply. The term granted for temporary connection is 2 years.

## A2 ENGINEERING FEES

Table 1A – Engineering Fees (Inclusive of 8% GST)

Category	Connection Cost (\$)	Rate*	Engineering Fee Payable (\$)
1	Up to \$100,000	20%	21,600
2	First \$100,000	-	21,600
	Next \$900,000	7.5%	-
3	First \$1m	-	94,500
	Next \$4m	6.5%	-
4	First \$5m	-	375,300
	Next \$5m	6.0%	-
5	First \$10m	-	699,300
	Next \$10m	5.5%	-
6	First \$20m	-	1,293,300
	Next \$10m	5.0%	-
7	First \$30m	-	1,833,300
	Above \$30m	4.5%	-

\* Prevailing GST rate will be also applied to the balance.

**B SERVICE CONNECTION CHARGES**Table 2A – Low Tension **Standard Connection Charge** (Inclusive of 8% GST)

Capacity Requirement in kVA	Capacity of Final service Cable	Type of Final LT Service Cable	Development without Substation	Development with Substation*
			Standard Connection Charge (\$)	Standard Connection Charge (\$)
<b>Underground Connection</b>				
Up to 15 (existing premises)	23	35mm <sup>2</sup> 2C	1,728	)
Up to 15 (new premises)	23	35mm <sup>2</sup> 2C	2,052	)
16 - 23	23	35mm <sup>2</sup> 2C	3,024	)
16 - 45	45	35mm <sup>2</sup> 4C	5,724	)
46 - 75	75	35mm <sup>2</sup> 4C	9,504	7,236
76 - 140	140	120mm <sup>2</sup> 4C Al	18,036	)
141 - 180	180	185mm <sup>2</sup> 4C Al	23,760	)
181 - 230	230	300mm <sup>2</sup> 4C Al	30,996	)
231 - 280	280	300mm <sup>2</sup> 4C Cu	37,152	9,180
281 - 460	460	2x300mm <sup>2</sup> 4C Al	NA	13,608
461 - 560	560	2x300mm <sup>2</sup> 4C Cu	NA	19,116
561 - 1000	1,000	7x500mm <sup>2</sup> 1C	NA	28,080

\* For service cable not exceeding 15m. For longer lengths, additional charges shall apply.

**C GENERATION CONNECTION CHARGES**

Table 3A: Generation Connection Charges (Inclusive of 8% GST)

Connection Level	Charge
UHT (230kV or 400kV)	\$54,000 per MW of Installed Generation Capacity*
EHT (66kV)	Based on cost of service connections to generation companies' equipment, including cables, associated equipment and facilities, to effect the connection to SPPA's substation/network plus applicable GST.
HT (6.6kV or 22kV)	
LT (230V or 400V)	

\* Rate is only applicable for cable installation by conventional direct burial method.

**D ATTENDANCE CHARGE FOR POWER FAILURE CAUSED BY FAULT WITHIN CONSUMER'S INSTALLATION**

Table 4A: Attendance Charge (Inclusive of 8% GST)

Consumer Type	Charge per Attendance
LT Domestic	\$5.40
LT Non-Domestic	\$32.40
HT	\$129.60

**E CHARGE FOR RECONNECTION DUE TO INVOLUNTARY DISCONNECTION Table**

5A: Reconnection Charge (Inclusive of 8% GST)

Connection Level	Charge per Connection		
	Weekday		Weekend/ Public Holiday
	Office Hours (8.00 am to 5.30pm)	After Office Hours	
LT	\$16.20	\$108	\$108
HT	\$129.60	\$216	\$216
EHT	194.40	\$324	\$324

**F CHARGE FOR VOLUNTARY TEMPORARY DISCONNECTION & RECONNECTION**

Table 6A: Voluntary Temporary Disconnection & Reconnection Charge (Inclusive of 8% GST)

Connection Level	Charge per Feeder/Connection		
	Weekday		Weekend/ Public Holiday
	Office Hours (8.00 am to 5.30pm)	After Office Hours	
LT	NA	\$108	\$108
HT	NA	\$216	\$216
EHT	NA	\$324	\$324

**G RE-APPOINTMENT CHARGE FOR ENERGISATION OF SERVICE CONNECTION**

\$48.60 per connection (Inclusive of 8% GST)

**H METER SERVICE CHARGES**

Table 7A: Meter Service Charges (Inclusive of 8% GST)

1	Site testing of Single Phase Meter	: \$32.40 per meter per trip
2	Site testing of Three Phase Whole-Current Meter	: \$32.40 per meter per trip
3	Site testing of CT-operated Meter :	All meter under customer account @ \$86.40 per meter per trip
4	Additional charges for site testing	: Weekday after office hours : \$162 per trip Weekend/Public Holiday : \$324 per trip
5	Auditing of Meter Data	: \$108 per man-day or part thereof
6	Express service for meter installation	: Weekday : \$162 per man-day per site Weekend/Public Holiday : \$324 per man-day per site
7	Meter Installation/ Replacement of metering transformers	: Weekday after office hours : \$162 per man-day per site  Weekend/Public Holiday : \$324 per man-day per site

**Note:** Office hours are from 8.00 am to 5.30 pm on weekdays from Monday to Friday.

**I ADVANCED METERING INFRASTRUCTURE (AMI) METER CHARGE**

Table 8A: AMI Meter Charge (Inclusive of 8% GST)

<p>Applicable for any:</p> <p>(i) newly contestable <u>business</u> consumer, and</p> <p>(ii) household consumer who opt to use AMI meters (instead of load profiling) in OEM</p> <p>This will apply to Customer Transfer Request or Metering Option Change Request effected on 20 Mar 2018 onwards.</p>	<p>Installation Fee of \$43.20 per AMI meter</p>
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## J USE OF SYSTEM CHARGES (GST INCLUSIVE FEE APPLICABLE WITH EFFECT FROM 1 APRIL 2023)

Table 9A : UOS Charges (Inclusive of 8% GST) From 1 April 2023 to 30 June 2023

	Contracted Capacity Charge [\$/kW/month]	Peak Period Charge [¢/kWh]	Off-Peak Period Charge [¢/kWh]	Reactive Power Charge [¢/kVArh]	Uncontracted Capacity Charge [\$/kW/month]	Uncontracted Standby Capacity Charge [\$/kW/month]		
						CCS	ECCS	
							Tier 1	Tier 2
Ultra High Tension	9.05	0.06	0.02	0.48	13.58	45.25	45.25	108.60
Extra High Tension	11.40	0.09	0.03	0.52	17.11	57.02	57.02	136.86
High Tension - Large	13.68	0.80	0.09	0.64	20.53	68.42	68.42	164.20
High Tension - Small	13.68	1.04	0.10	0.64	20.53	68.42	68.42	164.20
Low Tension - Large	-	6.75	5.32	-	-	-	-	-
Low Tension - Small	-	6.75	-	-	-	-	-	-

Note : Figures above may not reflect the full GST effect due to rounding.

Table 9B : UOS Charges (Inclusive of 8% GST) From 1 July 2023 to 30 September 2023

	Contracted Capacity Charge [\$/kW/month]	Peak Period Charge [¢/kWh]	Off-Peak Period Charge [¢/kWh]	Reactive Power Charge [¢/kVArh]	Uncontracted Capacity Charge [\$/kW/month]	Uncontracted Standby Capacity Charge [\$/kW/month]		
						CCS	ECCS	
							Tier 1	Tier 2
Ultra High Tension	9.27	0.06	0.02	0.48	13.90	46.33	46.33	111.20
Extra High Tension	11.94	0.09	0.03	0.52	17.92	59.72	59.72	143.34
High Tension - Large	14.52	0.80	0.09	0.64	21.77	72.58	72.58	174.18
High Tension - Small	14.52	1.04	0.10	0.64	21.77	72.58	72.58	174.18
Low Tension - Large	-	6.75	5.32	-	-	-	-	-
Low Tension - Small	-	6.75		-	-	-	-	-

Note : Figures above may not reflect the full GST effect due to rounding.

Table 9C : UOS Charges [Inclusive of 8% GST] From 1 October 2023 to 31 December 2023

	Contracted Capacity Charge [\$/kW/month]	Peak Period Charge [¢/kWh]	Off-Peak Period Charge [¢/kWh]	Reactive Power Charge [¢/kVArh]	Uncontracted Capacity Charge [\$/kW/month]	Uncontracted Standby Capacity Charge [\$/kW/month]		
						CCS	ECCS	
							Tier 1	Tier 2
Ultra High Tension	9.49	0.06	0.02	0.48	14.25	47.47	47.47	113.92
Extra High Tension	12.51	0.09	0.03	0.52	18.76	62.53	62.53	150.08
High Tension - Large	15.39	0.80	0.09	0.64	23.09	76.95	76.95	184.68
High Tension - Small	15.39	1.04	0.10	0.64	23.09	76.95	76.95	184.68
Low Tension - Large	-	6.75	5.32	-	-	-	-	-
Low Tension - Small	-	6.75		-	-	-	-	-

Note : Figures above may not reflect the full GST effect due to rounding.

Table 9D : UOS Charges [Inclusive of 8% GST] From 1 January 2024 to 31 March 2024

	Contracted Capacity Charge [\$/kW/month]	Peak Period Charge [¢/kWh]	Off-Peak Period Charge [¢/kWh]	Reactive Power Charge [¢/kVArh]	Uncontracted Capacity Charge [\$/kW/month]	Uncontracted Standby Capacity Charge [\$/kW/month]		
						CCS	ECCS	
							Tier 1	Tier 2
Ultra High Tension	9.72	0.06	0.02	0.48	14.58	48.60	48.60	116.64
Extra High Tension	13.09	0.09	0.03	0.52	19.63	65.45	65.45	157.08
High Tension - Large	16.33	0.80	0.09	0.64	24.49	81.65	81.65	195.96
High Tension - Small	16.33	1.04	0.10	0.64	24.49	81.65	81.65	195.96
Low Tension - Large	-	6.75	5.32	-	-	-	-	-
Low Tension - Small	-	6.75		-	-	-	-	-

Note : Figures above may not reflect the full GST effect due to rounding.