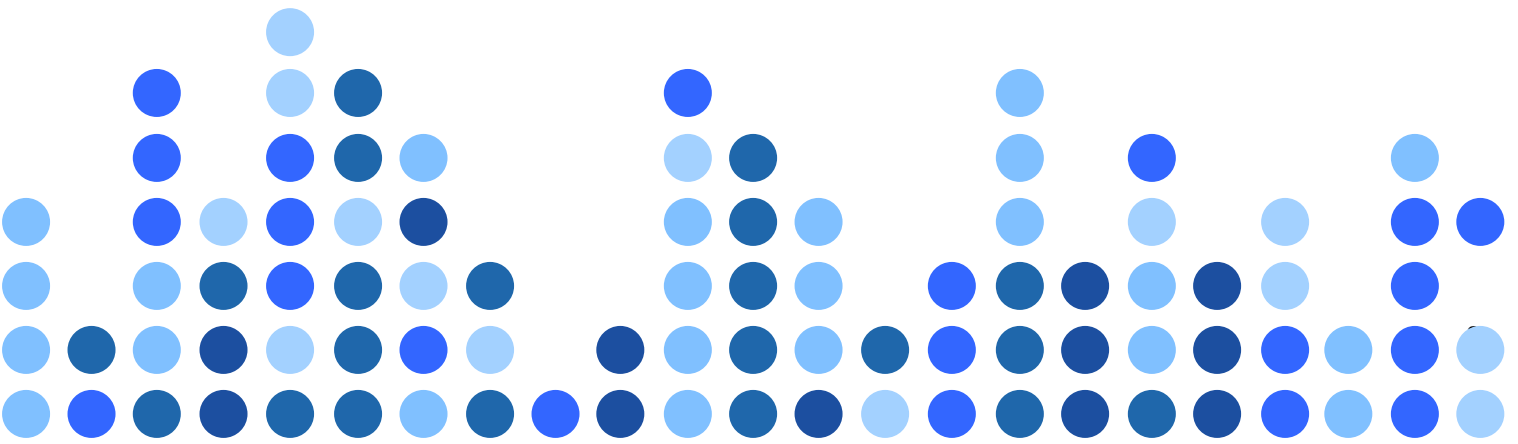


MARKET ADMINISTRATION MARKET MANUAL **(Part 1 of 4)**

REGISTRATION AND AUTHORISATION

This market manual contains the following application forms –

- ◆ Application Form Market Participant Registration
- ◆ Application Form for Authorisation of MSSL





Based on the
~~Singapore Electricity Market Rules~~

Application form for Market Participant Registration

including explanatory notes.

IMPORTANT: Please read this important information carefully before completing this form. Italicised words and expressions used herein (but not otherwise defined herein) shall have the same meanings respectively ascribed to them in the Singapore Electricity Market Rules.

Why do you need to complete this form?

~~Energy Market Company Pte Limited~~ (“Under the *market rules*, if you are not a *market support services licensee*, you are **not permitted** to participate in the *wholesale electricity markets* or to cause or permit any *physical service* to be conveyed into, through or out of the *transmission system* unless you have been registered by the *EMC*”) as a *market participant*, and your facility to or from which the *physical service* is to be so conveyed has been registered by the *EMC*, in accordance with the *market rules*.

The *EMC* is licensed by the Energy Market Authority (“the *Authority*”) to operate the *wholesale electricity market/markets* in Singapore. One of the *EMC*’s responsibilities is to manage the registration of *market participants* in the *wholesale electricity market/markets*. You must complete and submit this form to apply to be registered as a *market participant* if you wish to: participate in the *wholesale electricity markets* and/or convey any *physical services* into, through or out of the *transmission system*.

- ~~participate in the *wholesale electricity market* and/or~~
- ~~convey any *physical services* through the market’s facilities.~~

~~If you hold more than one *electricity licence* and intend to perform different functions pursuant to those licences in the *wholesale electricity market*, you must submit **separate** application forms for each function.~~

If you have a *generation* facility and you intend to, or you are required under the *market rules* to, register ~~at that facility~~, then you must complete a separate form entitled ‘*EMC Facility Registration Form*’ where you are required by the Singapore Electricity Market Rules (the ‘*market rules*’) as applicable and as the *EMC* may prescribe under an applicable *market manual* to apply to register ~~your facilities~~ such facility.

Why has ~~did~~ *EMC* ~~developed~~ develop this form?

The *EMC* has developed this form for applicants to facilitate the apply for registration ~~process as *market participants* as~~ described in the *market rules*. ~~You should read the relevant sections of the *market rules* prior to completing the forms. this form.~~ Please also refer to read the *EMC* disclaimer at the end of this form.

Am I eligible to apply as a market participant?

~~Before we can fully register you as a *market participant*, you must show to *EMC*’s satisfaction that you:~~

- ~~hold a valid *electricity licence* or are exempt, by an order issued by the Authority, from the obligation to hold such a licence;~~
- ~~fall within one of the classes of persons who may apply for registration as a *market participant* (see below); and~~
- ~~have executed the *PSO/market participant* and *MSSL/market participant* agreements.~~

What ‘classes of persons’ may apply for registration?

~~The classes of persons who may apply for registration as a *market participant* are:~~

- ~~*generation licensees*;~~
- ~~*retail electricity licensees*;~~
- ~~persons, other than *generation licensees* or *retail electricity licensees*, that hold an *electricity licence* by the Authority permitting them to trade in the *wholesale electricity market* or are exempt, by an order issued by the Authority, from the obligation to hold such a licence;~~
- ~~*transmission licensees*; and~~
- ~~any Government department that generate electricity before the *market rules* come into force.~~

What if *EMC* needs further information and clarification?

The *EMC* ~~will~~ shall, within 10 *business days* of its receipt of ~~your completed *participant registration application* this form;~~ (unless the *EMC* agrees with you to a longer period), request in writing any further

information or clarification required by the *EMC* to process your application.- It is important that you respond promptly to the *EMC*'s requests in writing. -If the *EMC* does not receive the requested information or clarification to its satisfaction within 15 *business days* from the date of its request, (unless the *EMC* agrees with you to a longer period), then **your application ~~will~~shall be deemed to have been withdrawn** and you ~~will~~shall be required to submit a new application (unless you and the *EMC* have agreed a longer time if you still wish to apply for this process)-registration as a *market participant*.

All ~~communication~~communications between you and the *EMC* and ~~market participants will~~ in respect of such further information or clarification shall be in writing.

When will ~~I~~you know the outcome of ~~my~~your application?

The EMC will notify you in writing of the outcome within 20 *business days* of the receipt of ~~your fully completed registration (i) this~~ form; or ~~any~~(ii) all further information ~~or~~and clarification requested by the EMC, whichever is the later (unless ~~you and the EMC have agreed~~ agrees with you to a longer ~~time for this process~~ period). If your application is ~~declined~~denied, the notification will identify why this was the case. ~~A complete and accurate~~ If the EMC is satisfied that you may be conditionally registered as a market participant under the market rules, the EMC will also notify you of the same. A duly and accurately completed form will ~~help~~expedite the ~~EMC to process~~EMC's processing of your ~~participant registration~~ application ~~within the above stated period.~~

Is there an application fee for your application to register as a market participant registration?

There is no application fee ~~for~~ payable for your application to register as a market participant registration.

Summary of ~~the~~ registration requirements for registration as a market participant

The key requirements ~~offor~~ the full participant registration ~~application procedure~~ as a market participant are ~~set out~~ outlined in the table below:

<p>A <u>Meet the EMC's prudential requirements</u></p>	<p>You must provide <u>be sure that adequate</u> prudential cover, if applicable, under has been provided in accordance with the <u>market rules and the applicable market manual if required</u>, before you start trading in the wholesale electricity market and you must maintain this at <u>transacting in the specified level at all times</u>. Please read real-time markets or <u>causing or permitting a physical service to be conveyed into, through or out of the 'prudential details' in section D of this form.</u> transmission system.</p>
<p>B <u>Execute agreement with the PSO and MSSL</u></p>	<p>You must have executed the:</p> <ul style="list-style-type: none"> • Power System Operator/market participant (PSO/MP) agreement; and • market support services licensee/market participant (MSSL/MP) agreement, if applicable.
<p>C <u>Electricity licence</u> <u>Execute agreement with the MSSL and meet metering requirements</u></p>	<p>You must hold the relevant electricity licence from the Authority or be exempt, by an order issued by the Authority, from the obligation to hold such a licence.</p> <p>You must have executed the <u>market participant - market support services licensee</u> agreement, if applicable. If required to execute the <u>market participant - market support services licensee</u> agreement, you must secure the <u>market support services licensee's</u> written confirmation to the EMC that the <u>market support services licensee</u> is ready to submit all settlement data required under the <u>market rules</u> to the EMC.</p>
<p>D <u>Meet the EMC's technical requirements</u> <u>Electricity licence(s)</u></p>	<p>You must satisfy all applicable technical requirements. The EMC may test and inspect your equipment to ensure compliance. Successful completion of these tests is a condition for full registration (see section F on technical requirements).</p> <p>You must have valid and relevant <u>electricity licence(s)</u> or be exempt from the requirement to obtain such <u>electricity licence(s)</u> from the Authority.</p>
<p>E <u>Register your facilities</u> <u>Meet the EMC's technical requirements</u></p>	<p>Where applicable, you must register with the EMC as a <u>registered facility or generation settlement facility</u> for the facilities through which <u>physical services will be conveyed in the wholesale electricity market</u>. Please contact the EMC if you require an "EMC Facility Registration Form".</p> <p>You must satisfy all applicable technical requirements under the <u>market rules</u>. The EMC may require tests to be conducted on, and inspection of, your facilities and equipment to ensure that you meet these requirements. Successful completion of these tests, and permitting the conduct of such inspections, are conditions for your registration as a <u>market participant</u>. (See section E of this form for more information on such technical requirements.)</p>
<p>F <u>Become a conditionally registered market participant</u></p>	<p>You must satisfy steps A, B, C, and D to fully register as a <u>market participant</u>. If you can satisfy only steps A and B, you will be conditionally registered as a <u>market participant</u>.</p>
<p>G <u>Meet outstanding requirements to overcome conditional registration</u> <u>Maintain a market participant bank account</u></p>	<p>The EMC will advise you of your conditional registration status and will give you a deadline for meeting your outstanding requirements. You must submit all necessary certified documents to the EMC by this deadline. The EMC will advise you whether you have met all the requirements within 5 <u>business days</u> after the deadline. If you do not meet the requirements by the deadline, your conditional registration will lapse.</p> <p>You must designate a <u>bank account</u>, opened and maintained with such bank or financial institution as is required in section 5.16.10 of Chapter 7 of the <u>market rules</u>, as your <u>market participant bank account</u>. You must also</p>

	<p><u>arrange for EMC to be given all necessary authorizations to directly debit this market participant bank account for your settlement payments.</u></p>
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H Registration as a market participant	<p>If the <i>EMC</i> is satisfied that you meet the requirements of a <i>market participant</i>, the <i>EMC</i> will register you as one. <i>EMC</i> will advise you of the terms and conditions of the registration in an official notice. If your application is declined, the <i>EMC</i> will write to you stating the reasons.</p>
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Conditional Registration as a Market Participant

You must satisfy all the key registration requirements described in A, B, C, D, E and F above to be registered as a *market participant*. If you satisfy only the key registration requirements described in A and B above, the *EMC* may conditionally register you as a *market participant*. Such conditional registration will allow you to commence the process of registration of your facilities. However, please note that you must satisfy all the registration requirements before a) you can be registered as a *market participant* and b) your facilities can be registered.

The *EMC* will advise you of your *conditional registration* status and will notify you of a deadline for satisfying all your remaining unsatisfied requirements for registration as a *market participant*. This deadline is referred to in the *market rules* as the “conditional registration deadline”. You must satisfy all your remaining unsatisfied requirements for registration as a *market participant* by the conditional registration deadline. If you fail to do so, **your conditional registration as a market participant will lapse** on the fifth *business day* from that conditional registration deadline. Please note that a conditional registration does not grant you any rights as a *market participant*.

How can I find more information?

In addition to this form and the *market rules*, you ~~can find~~ may obtain more information by contacting the *EMC* Market Administration Team by telephone +65 6779 3000. Alternatively, you may visit ~~EMC's~~ the *EMC* website at <http://www.emcsg.com>.

Please print clearly. -Illegible writing or incomplete forms may delay the processing of your application.

A. REGULATORY DETAILS

1. What ~~Authorised~~ activities relating to electricity under your ~~electricity licence(s) do you currently hold? -]?~~

Note: You may ~~only tick in~~ check one or more of the following boxes indicating the type of activities authorised under your electricity licence you currently hold or the fact that you are exempt from the obligation to hold an electricity licence with regards to your current activities, as the case may be. Should you intend to perform more than one function in the wholesale(s).

- ~~generate~~ electricity ~~market~~ and currently hold more than one type of
- ~~retail~~ electricity ~~licence~~, you must complete a separate form for each of the intended functions.
- ~~Generator~~ transmit electricity ~~licence~~
- ~~Retailer~~ transmit electricity ~~licence~~ for or on behalf of a transmission licensee
- ~~Transmission~~ import electricity ~~licence~~
- ~~An~~ export electricity ~~licence~~ other than a generator or retailer licence permitting the holder to
- trade in ~~the~~ wholesale electricity market
- ~~I am exempt, by an order issued by the Authority, from the obligation to hold an electricity licence~~

Electricity licence number _____ (s)

State activities exempted from licensing requirement _____

Exemption order number(s) _____

2. Will you be registering any facility? Yes No

2-3. Are you a contestable consumer? Yes No

B. BUSINESS DETAILS

3. Organisation _____ name _____ (in _____ full)

4. **Business Name of Applicant (in full)**

5. **Company Registration Number**

GST Registration Number

(if any)

6. **Registered address**

Mailing address

6. **Telephone:**

7. **Facsimile:**

8. **Website:**

7. **Account number of the *market participant bank account*:**

8. **Telephone No.:**

9. **Facsimile No.:**

10. **Website:**

C. ORGANISATIONAL CONTACTS

911. Market Operations Manager

	Manager	Alternate contact
Full Name & Designation		
Tel/Mob Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

1012. Market Trading Manager

	Manager	Alternate contact
Full Name		
Tel/Mob		
Email Address		
Fax		

11. Finance/ Accounts Manager

	Manager	Alternate contact
Full Name & Designation		
Tel/Mob Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

12. Settlements

13. Finance / Accounts Manager

	Manager	Alternate contact
Full Name & Designation		
Tel/Mob Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

14. Settlements Manager

	Manager	Alternate contact
Full Name & Designation		
Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

15. IT Systems Manager

	Manager	Alternate contact
Full Name & Designation		
Tel/Mob Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

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D. PRUDENTIAL DETAILS

~~Current~~ The forms of credit types as described in support presently permitted under the market rules are as follows:

~~Banker's a. Guarantee or Letter of Guarantee:~~ This letter of credit: Credit support, which is provided in the form of a guarantee or letter of credit must be provided by an acceptable banking a financial institution (which satisfies the criteria prescribed in Appendix 1), of this application form, must be an obligation in writing and must be governed by Singapore laws, as referred to stated in sections 7.6.2.1 and 7.6.3.1 -of Chapter 2 of the market rules. The In the case of a guarantee,

~~the guarantee must be executed as a deed and perin the format form and terms set out in Appendix 3 and should be valid for at least one year (or provide for automatic renewal). The guarantee should name the EMC as beneficiary without restrictions2 of this application form. In the case of a letter of credit, the letter of credit must comply with the requirements of sections 7.6.2.1 and should also allow partial drawings and claim on demand by the EMC up to the amount required as credit support under 7.6.3.1(c) of Chapter 2 of the market rules.~~

~~b. **Cash deposits:** For cash deposits, they must be Credit support which is provided in the form of cash deposits, must be made with-, or assigned to, the EMC by or on behalf of the market participant as referred to section stated in sections 7.6.2.3 and 7.6.3.3 of Chapter 2 of the market rules. and must comply with the requirements of sections 7.6.2.3 and 7.6.3.3 of Chapter 2 of the market rules.~~

~~c. **Singapore Government T-Treasury bills:** As referred to section Credit support which is provided in the form of Singapore Government Treasury bills, as stated in sections 7.6.2.4 and 7.6.3.3 of Chapter 2 of the market rules, they must be made with assigned to the EMC by or on behalf of the market participant. Market participants should permit drawings and claims by the EMC in up to the full. Such amount of such Singapore Government T-Treasury bills. Such Treasury bills shall be valued as cash at their current market value less 2% to take into account the potential eroding effects of interest rate increases. Credit support which is provided in the form of Singapore Government Treasury bills must comply with the requirements of sections 7.6.2.4 and 7.6.3.3 of Chapter 2 of the market rules.~~

~~14. Are 16. Do you intend to settle any load in the wholesale electricity markets as a market participant in the existing Singapore Electricity Pool (SEP)??~~

- Yes ~~(go to 15 below)~~ No ~~(go to 16 below)~~

~~15. If yes, please provide the following:~~

~~15.1 Settlement Account Name/Code: _____~~

~~15.2 Total months of operation to date in the SEP: _____~~

~~15.3 Average monthly settlement amount for this period: \$ _____~~

~~15.4 Highest settled amount during this period: \$ _____~~

E. CREDIT SUPPORT

~~16. 17. **Computation of initial credit support amount**~~

~~Please provide us with your computation of the initial amount of credit support required, under the market rules and the applicable market manual. In particular, please refer to section 7 of Chapter 2 of the market rules and the Prudential Requirements market manual.~~

~~18. What is your intended type of credit support?~~

- Banker's Guarantee

- Letter of credit
- Cash deposits
- Singapore Government Treasury bills

- ~~17. Computation of Initial~~ We do not need to provide any initial credit support requirement

~~Please provide us a computation of your credit support requirement which should be no less than your credit support value. Your credit support value should be equal to your Estimated Average Daily Exposure X 30 days. Your Estimated Average Daily Exposure should be determined in accordance with the EMC market manual on Prudential requirements (Chapter 2 Participation)~~

F

E. TECHNICAL REQUIREMENTS

Important notes for this section:

~~As a market participant you~~ You must satisfy the following conditions ~~before you can be fully registered as~~ part of the registration requirements:

- ~~a) a) Certify to the EMC that you meet the technical requirements as set out in the market rules, and in this section and in Appendix 2E; and~~
- ~~b) Ensure your facilities (if applicable) meet technical requirements for connection (as specified in any applicable connection agreement and the Transmission Code).~~

~~The EMC may conduct tests and inspections of your equipment to ensure it complies. Additionally, the Power System Operator and the transmission licensee, may test your equipment for compliance with their requirements.~~

- ~~b) A person who is participating~~ Obtain proper access permission (users and systems IP) from the EMC through completion of the NEMS Systems User Account and IP Address Administration Form (as may be prescribed by the EMC).

You must ensure that the following electronic communication facilities and equipment are available:

1. At least one personal computer that is equipped with and capable of using an internet browser application and Microsoft Windows Operating System software (and of such version) acceptable to the EMC (guidelines on this can be found at www.emcsg.com).

If you intend to convey a physical service into, through or out of the transmission system through a registered facility must ensure that:

- ~~a) One personal computer is configured to run MPS software provided by the EMC.~~
- ~~b) One, at least one personal computer is configured to interface that is equipped with and capable of using an internet browser application and Microsoft Windows Operating System software (and of such version) acceptable to the EMC that is functionally capable of being used for the exchange of information pertaining to standing offers, offer variations, and of interfacing with the EMC's electronic communication communications system.~~
- At least one telephone line dedicated**
- ~~e) A connection to communication with the PSO's control centre.~~

~~(For the EMC's testing and certification requirements, please see Appendix 2)~~

A person who is NOT participating through a *registered facility* (wholesale traders) must ensure that:

- a) ~~One Internet (which will allow the aforesaid personal computer is equipped (s) to establish connection with Energy Market Company Application web pages or with Microsoft Windows 2000 software.~~
- b) ~~One personal computer is equipped with Microsoft Internet Explorer version 5.0 or higher.~~
- e) ~~3. One personal computer is connected to EMC's interfaces for the Internet exchange of messages/files).~~
- 4. ~~18 Proper digital certificates for e-invoicing and backup offer submission (where applicable) via secure email (guideline can be found in www.emcsg.com).~~

19. Do you confirm that you meet all these technical requirements?

- Yes No (go to [Q19Q20](#))

1920. If you don't meet all/or some of the technical requirements at the date of your application, please specify which requirements are not met, and when you expect to meet them.

G.

F. CHECKLIST OF SUPPORTING DOCUMENTS REQUIRED

You must ~~provide certified true copies of~~attach the following documents with your application form ~~before they can be processed:~~

~~Business~~

~~An original copy of your most current business~~ profile report ~~of the Company issued by, obtained from~~ the Accounting and Corporate Regulatory Authority of Singapore.

~~Your Company's directors' resolution to participate in the wholesale electricity market and authorization of person to sign application on behalf of Company.~~ A certified true copy of your certificate of incorporation, notice of incorporation, or certificate of confirmation of incorporation issued by, or under the hand and seal of, the Registrar of Companies evidencing that you have been duly incorporated under the Companies Act (Chapter 50) of Singapore), and a certified true, and up-to-date, copy of your memorandum and articles of association.

~~Relevant~~

A certified true copy of the resolutions of your board of directors (substantially in the form and terms prescribed in **Appendix 3** of this application form) approving (among other things) your application for registration as a *market participant* and your participation in the *wholesale electricity markets*.

A certified true copy of your *electricity licence (s)* obtained from the ~~EMA~~ Authority (if any).

A certified true copy of your duly executed ~~PSO-/MP~~ agreement.

~~Relevant agreement with transmission licensee~~

~~Audited~~

A certified true copy of your duly executed *market participant - market support services licensee* agreement, if applicable.

A certified true copy of your audited financial statements for the last 3 years (if such financial statements have been prepared).

~~Computation~~ Your computation of your initial *credit support requirement* amount.

The following need not be submitted together with this application but must be provided before you can be registered.

~~Banker's Guarantee or Letter of Guarantee from a bank listed in 'Acceptable Banks' in Appendix 1~~

~~Singapore Government Treasury bills~~

Your credit support (if required).

A certified true copy of your letter, duly signed by your authorised representatives, to the bank or financial institution at which your *market participant bank account* is maintained, authorizing that bank or financial institution to permit EMC to directly debit your *market participant bank account*.

A duly completed NEMS Systems User Account and IP Address Administration Form (as may be prescribed by the EMC).

G. COVENANT AND DECLARATION

~~I/We, the undersigned applicant(s), having read and fully understood the Singapore market rules, the terms of this form, the applicable market manuals, the system operations manual, the Electricity Market Rules (the 'Rules'), the Companies Act (Chapter 50) (the "CA"), Act, and any other applicable laws, codes, rules, procedures or policies that are relevant to or regulate the Singapore Electricity Market or the wholesale electricity industry (markets collectively the 'Laws/Regulations'), and/or having had the benefit of relevant independent legal advice, hereby apply to become registered as a market participant under the Electricity Act 2001 of Singapore (the 'Act') and covenant to comply with and be legally bound by the Act, the Rules, the CA and the Laws (as the same may be amended from time to time).~~ market rules.

~~I/We, hereby agree to be bound by, and to comply with, all the undersigned applicant(s) Regulations which may be applicable to us, our registration application herein and our registration and participation in the wholesale electricity markets.~~

~~We further hereby declare that the information provided by me/us in us (or on our behalf) in or in connection with this form is both true, complete and accurate and not misleading or omitting any material particular (to the best of my/our knowledge, information and belief after having carried out all necessary due diligence to determine the same) and hereby covenant to be subject to any sanctions, penalties or orders as may be imposed by the relevant authorities/parties under the Act, the Rules, the CA, or the Laws/Regulations, in the event that such information is found to be untrue, misleading or inaccurate by the relevant authorities in any material particular.~~

~~I/We, the undersigned applicant(s),~~ We hereby undertake to immediately notify the EMC of any change to any information provided in relation to the application for registration herein.

~~We further hereby covenant to be legally bound by the relevant dispute resolution provisions under the Rules market rules and any applicable market manual, in the event that this application for registration as a market participant is denied and a dispute arises from such unsuccessful application.~~

~~We confirm and acknowledge that the information provided by us (or on our behalf) in or in connection with this form may need to be disclosed, communicated or exchanged by the EMC to or with other parties, including but not limited to the Authority, the PSO and the market support services licensee, as necessary, desirable or expedient for the purposes of processing this form under the Regulations and we hereby consent to such disclosure, communication or exchange.~~

Signed for and on behalf of ~~the Applicant by:~~ _____
 (Name of applicant)

Signature: _____

Name of officer: _____

Position/designation: _____

Date: _____

I.H. EMC'S DISCLAIMER

Energy Market Company Pte Limited ("*EMC*") has produced this publication for use in connection with the Singapore Electricity Market. This publication is not a substitute for and should not be read in lieu of the Singapore Electricity Market Rules or any other applicable laws, codes, rules, procedures, manuals or policies that are relevant to or regulate the Singapore Electricity Market or the electricity industry. The contents of this publication do not constitute legal or business advice and should not be relied upon as a substitute for obtaining such advice.

EMC, its directors and employees, subsidiaries, associates and affiliates make no representations, endorsements or warranties of any kind whatsoever in relation to the contents of this publication, and in no event shall *EMC*, its directors and employees, subsidiaries, associates and affiliates be liable to any party for any damages, claims, expenses or losses of any kind arising from or in connection with any use of or reliance on the accuracy, availability, currency, title, non-infringement, quality, reliability, suitability and completeness of the contents of this publication.

Any modifications or amendments to this publication shall be made in accordance with the relevant provisions of the Singapore Electricity Market Rules.

APPENDIX 1

List of acceptable banks:

Local Criteria to be satisfied by a financial institution providing credit support

- The financial institution must be a local or foreign bank rated “A” or better by Standard & Poor’s (S&P)
(S& P Website: www.standardpoor.com/RatingsActions/Ratingslists/FinancialInstitutions/Index.html)www.standardpoor.com)

APPENDIX 2

EMC's testing and certification of technical requirements

The following tests must be carried out successfully for the *EMC* to certify a *market participant's* system. These tests will be carried out in conjunction with the *EMC*.

These tests will certify that:

- The *market participant* can access private and public market information provided by the *EMC*. Where private information is specific to the *market participant* alone, it will not be available to other *market participants*.
- The *market participant* is able to communicate securely with the *EMC*.
- If the *market participant* will be offering energy, regulation or reserve in the wholesale electricity market. The *market participant* is able to submit offers:
 - a) to the *EMC* via the *electronic communications system*
 - b) to the *EMC* via the backup communication mechanism identified in the associated *market manual*.
- The *market participant* is able to receive confirmation of receipt and validation of delivered offers from the *EMC*.

APPENDIX 3

SAMPLE BANKERS' GUARANTEE APPROVED BY EMC

_____ [On the letterhead of the guarantor financial institution]

DATE: / /

ENERGY MARKET COMPANY PTE LTD
238A238 A Thomson Road
#11-01 Novena Square Tower A
Singapore 307684

Dear Sirs,

BANKER'S GUARANTEE NO. [number] FOR S\$ [state amount in numbers]

1. Pursuant to your obtaining an electricity licence authorising you to operate any wholesale electricity market in Singapore and your entering into the Market Rules under the Electricity Act 2004, Chapter 89A of Singapore (the "Rules") which set out and govern the trading of electricity in Singapore, we, - [name of guarantor financial institution], having our registered office at [address], hereby guarantee and undertake unconditionally and irrevocably to you the due payment of any and all sum or sums payable under the Rules by [name of market participant] (the "Principal") and will pay to you immediately on your first written demand or respective written first demands in respect of each such sum demanded provided that our total liability under this Guarantee shall not exceed in aggregate SINGAPORE DOLLARS [state amount in words] (the "Maximum Sum").

2. Every such of your written demand shall be accompanied by your signed statement reading as follows:-

"WE, ENERGY MARKET COMPANY PTE LTD, hereby certify to you that the amount of S\$ [state amount in numbers] represents and covers the current outstanding obligations due and payable to us by [name of market participant] pursuant to the Rules."

This Guarantee shall not be affected by any time, arrangement or other indulgence which you may grant to the Principal, or with any other person which might operate to diminish or discharge the liability of or otherwise provide a defence to a surety.

3. You shall have the right to demand payment at any time under this Guarantee to be made in SINGAPORE DOLLARS subject to the Maximum Sum. -This Guarantee shall remain in full force and effect until all sums whatsoever payable by the Principal under the Rules are fully paid.

4. Without prejudice to the provisions in clauses 1 to 3 above, upon your written demand for payment as aforementioned, we shall:-

- a. in respect of any demand made before 12.00 noon local time at our office on any banking day, accept and honour your demand on or before 3.00 pm, local time of the same day;
- b. in respect of any demand made after 12.00 noon local time at our office but on or before 5.00 pm local time at our office, accept and honour your demand on or -before 11.00 am local time of the next banking day following presentation of your demand;

by paying you in funds immediately available the full amount of your demand.

5. We agree that any written demand furnished by you to us under clause 2 shall be conclusive evidence that the said sum or sums referred to therein is/are due and payable to you by the Principal. -We further agree that this Guarantee shall be effective from [date] to [date] (hereinafter called the "expiry date"). Demands, if any, must be made in writing and received by us at our [Banker's Guarantee Section] at [address]

on or before the expiry date. -Thereafter this Guarantee shall automatically cease to have any effect whatsoever, whether or not it is returned to us for cancellation.

6. You may make more than one claim under this Guarantee so long as the claims are made in accordance with the terms set out herein and the total amount of the claims does not exceed the Maximum Sum.

7. This Guarantee is non-assignable.

8. This Guarantee shall be governed by and construed in all respects in accordance with the laws of the Republic of Singapore and all parties hereby agree to submit to the exclusive jurisdiction of the Courts of Singapore.

SIGNED, SEALED AND DELIVERED for and on behalf of the GUARANTOR

[name of guarantor financial institution in capital letters]

by its Attorney(s):

[name]
[designation]

[name]
[designation]

acting under a Power of Attorney dated [date] (a copy of which was deposited in the Registry, Supreme Court, Singapore on the [] day of [] [200220] and registered as No.[registration number] of [200220])

in the presence of:

[name]

[Signature]

[Name of witness]

[Address]

APPENDIX 3

SAMPLE BOARD RESOLUTION

CERTIFIED TRUE EXTRACT OF RESOLUTIONS OF
THE BOARD OF DIRECTORS OF _____

We, the undersigned, hereby certify to the Energy Market Company Pte Ltd (the “**EMC**”), that:

[at a meeting of the Board of Directors of _____ (the “**Company**”), a company having its registered office at _____, duly convened and duly held on _____ 20 _____ at _____, the following resolutions were duly passed and adopted and have been entered in the minute book of the Company and are now in full force and effect.]²

OR

[the following resolutions in writing have been duly passed and adopted pursuant to Article _____ of the Articles of Association of _____ (the “**Company**”), a company having its registered office at _____, and have been entered in the minute book of the Company and are now in full force and effect.]*

“RESOLVED THAT:

1. the Company shall participate in the wholesale electricity markets operated and maintained by the EMC, in accordance with the Singapore Electricity Market Rules and the market manuals for the time being issued (and as may be amended) by the EMC (collectively, the “**market rules**”), and such participation be and is hereby approved;
2. the Company apply to the EMC (the “**MP Registration Application**”) for registration as a market participant (“**Registration**”) in accordance with the market rules and such application for Registration be and is hereby approved;
3. the Company shall, if and when necessary, apply to the EMC for the registration, termination of registration, or request for and/or accept a transfer of the registration, of any one or more of its facilities in accordance with the market rules;
4. it be noted and agreed that upon submission of the Company’s MP Registration Application to the EMC (and whether or not Registration is eventually granted by the EMC), the Company shall be bound by and shall comply with the market rules as may be applicable (i) to the Company’s MP Registration Application, and (ii) if Registration is eventually granted by the EMC, to the Company’s Registration and participation in the wholesale electricity markets;
5. [each of [•[^]] and [•[^]] singly] / [both of [•[^]] and [•[^]] jointly]* (the “**Authorised Officers**”) be and [is/are]* hereby authorised to sign, execute and deliver the MP Registration Application and such other supporting or required documents for and on behalf of the Company and to agree, as such person(s) may deem fit, to any amendment or variation thereof as may be required by the EMC;

² Delete where inapplicable or inappropriate

[^] The full name of each Authorised Officer (as set out in his/her NRIC or passport) should be stated in these resolutions. If it is desired to state an office/designation without stating the name of any specific person in these resolutions, the EMC will only accept persons holding the offices of a director or a company secretary of the Company as Authorised Officers.

-
-
6. in pursuance of the foregoing, [each/both]* of the Authorised Officers [singly/jointly]* be and [is/are]* hereby authorised to sign, execute and deliver such other documents, and to do all such other acts and things, as may be necessary, desirable or expedient in pursuance of, in relation to, or in connection with the Company's MP Registration Application, Registration and participation in the wholesale electricity markets; and if any document is required to be executed under the common seal of the Company, the affixing of the common seal of the Company in accordance with the Company's Articles of Association be and is hereby authorised; and
7. any Authorised Officer be and is hereby authorised to deliver a certified true copy of these resolutions to the EMC in connection with the Company's MP Registration Application."

CERTIFIED AS A TRUE EXTRACT BY

Signature: _____

Name: _____

Designation: _____

Date: _____

Application form for Authorisation of Market Support Services Licensee (MSSL)

| including explanatory notes.

|

IMPORTANT: Please read this ~~important information~~ carefully before completing this form. *Italicised words and expressions used herein (but not otherwise defined herein) shall have the same meanings respectively ascribed to them in the Singapore Electricity Market Rules.*

Why do ~~I~~you need to complete this form?

~~Energy Market Company Pte Limited~~ (“Under the *market rules*, if you are not a *market support services licensee*, you are **not permitted** to participate in the *wholesale electricity markets* or to cause or permit any *physical service* to be conveyed into, through or out of the *transmission system* unless you have been registered by the *EMC*”) as a *market participant*, and your facility to or from which the *physical service* is to be so conveyed has been registered by the *EMC*, in accordance with the *market rules*.

Under the *market rules*, if you are a *market support services licensee*, you are also **not permitted** to participate in the *wholesale electricity markets* for the purpose of (i) the *supply* and sale of *electricity* to non-contestable consumers; (ii) facilitating access to any *wholesale electricity market* for obtaining *supply* of *electricity* for contestable consumers and *retail electricity licensees*; or (iii) providing other services related to access to any *wholesale electricity market*, unless you have been authorised to do so by the *EMC* in accordance with the *market rules*.

The *EMC* is licensed by the Energy Market Authority (the “*Authority*”) to operate the *wholesale electricity market* in Singapore. – One of the *EMC*’s responsibilities is to manage the authorisation of *MSSL market support services licensees* in the *wholesale electricity market*. ~~You~~ markets. If you are a *market support services licensee*, you must complete and submit this form to be authorised by the *EMC* under the *market rules* if you wish to: participate in the *wholesale electricity markets* to:

- ~~• Provide metering data management services,~~
- ~~• Provide customer transfer services~~ supply and sell *electricity* to non-contestable consumers;
- ~~• facilitate access to any *wholesale electricity market* for the purpose of obtaining *supply* of *electricity* for contestable consumers or *retail electricity licensees* and; or~~
- ~~• provide other services related to access to any *wholesale electricity market*;~~
- ~~• Facilitate the access to any *wholesale electricity market* for the purposes of obtaining *supply* of *electricity* for contestable consumers and *retail electricity licensees*; and/or~~
- ~~• The supply and sale of *electricity* to non-contestable consumers.~~

Why ~~has~~did EMC ~~developed~~develop this form?

The *EMC* has developed this form ~~to facilitate the for *market support services licensees* to apply for authorisation process described in~~ under the *market rules*. – You should read the relevant sections of the *market rules* prior to completing ~~the forms~~ this form. Please also ~~refer to~~ read the *EMC* disclaimer at the end of this form.

Who is eligible to apply for authorisation?

Only *market support services licensees* may apply for authorisation under the *market rules*.

What if EMC needs further information and clarification?

The *EMC* ~~will~~shall, within 10 *business days* of ~~its~~ receipt of ~~your completed~~ this form (unless the *MSSL authorisation form*, *EMC* agrees with you to a longer period), request in writing any further information or clarification required by the *EMC* to process your application. – It is important that you respond promptly to the *EMC*’s requests in writing. – If the *EMC* does not receive the requested information or clarification to its satisfaction within 15 *business days* from the date of its request, (unless the *EMC* agrees with you to a longer period), then **your application will be deemed to have been withdrawn** and you ~~will~~shall be required to submit a new application (unless you and the *EMC* have agreed a longer time if you still wish to apply for this process) – authorisation under the *market rules*.

All ~~communication~~communications between ~~you and~~ the *EMC* ~~and market participants~~ will in respect of such further information or clarification shall be in writing.

When will ~~I~~you know the outcome of ~~my~~your application?

The *EMC* will notify you in writing of the outcome within 20 *business days* of the receipt of ~~your fully completed~~ authorisation – (i) this form; or ~~any~~ (ii) all further information ~~or~~ and clarification requested by the *EMC*, whichever is the later (unless ~~you and the *EMC* have agreed~~ agrees with you to a longer time for this process) – period). If your ~~authorisation application~~ is ~~declined~~denied, the notification will identify why this was the case. – A ~~completed~~ dually and ~~accurate~~ accurately completed form will ~~help~~ expedite the *EMC* to process *EMC*’s processing of your ~~authorisation application~~ within the above stated period.

Is there an application fee for ~~market participant registration~~your application to be authorised under the market rules?

There is no application fee ~~for MSSL authorisation applications~~payable for your application to be authorised under the *market rules*.

Summary of ~~the~~ authorisation ~~procedure~~ requirements for authorisation of a market support services licensee

The key requirements ~~of the full MSSL~~ for authorisation ~~procedure~~ of a market support services licensee are ~~set-out~~ outlined in the table below:

<p>A Meet the EMC's prudential requirements</p>	<p>You must provide be sure that adequate prudential cover, under has been provided in accordance with the market rules and the applicable <i>market manual</i> if required, before you start trading in the wholesale electricity market and you must maintain this at transacting in the specified level at all times. Please read <i>real-time markets</i> or causing or permitting a <i>physical service</i> to be conveyed into, through or out of the 'prudential details' in section D of this form. transmission system.</p>
<p>B Meet EMA requirements <u>Electricity licence</u></p>	<p>You must have the a valid and relevant <i>electricity licence</i>. from the Authority permitting you to engage in and provide the relevant <i>market support services</i> for which you seek authorisation under the <i>market rules</i>.</p>
<p>C Meet the EMC's technical requirements</p>	<p>You must satisfy all applicable technical requirements. under the market rules. The EMC may test require tests to be conducted on, and inspect inspection of, your <i>facilities</i> and equipment to ensure compliance. that you meet these requirements. Successful completion of these tests is a condition, and permitting the conduct of such inspections, are conditions for fully your authorisation (see under the market rules. (See section F on E of this form for more information on such technical requirements).)</p>
<p>D Become a conditionally authorised MSSL</p>	<p>You must satisfy steps A, B and C to be a fully authorised MSSL. If you can satisfy only steps A and B, you may be conditionally authorised as an MSSL.</p>
<p>E D Meet outstanding requirements to overcome conditional authorisation <u>Maintain a market participant bank account</u></p>	<p>The EMC will advise you of your conditional registration status and will give you a deadline for meeting your outstanding requirements. You must submit all necessary certified documents to the EMC by this deadline. The EMC will advise you whether you have met all the requirements within 5 business days after the deadline. If you do not meet the requirements by the deadline, your conditional registration will lapse. You must designate a <i>bank account</i>, opened and maintained with such bank or financial institution as is required in section 5.16.10 of Chapter 7 of the <i>market rules</i>, as your <i>market participant bank account</i>. You must also arrange for the EMC to be given all necessary authorisations to directly debit this <i>market participant bank account</i> for your <i>settlement</i> payments.</p>
<p>F Outcome of Authorisation Application</p>	<p>If the EMC is satisfied that you meet the requirements of authorisation as a <i>market support services licensee</i>, the EMC will authorise you as one. EMC will advise you of the terms and conditions of the authorisation in an official notice. If your application is declined, the EMC will write to you stating the reasons.</p>

How can ~~I~~ you find more information?

In addition to this form and the *market rules*, you ~~can find~~ may obtain more information by contacting the EMC Market Administration Team by telephone +65 6779 3000. Alternatively, you may visit the EMC website at <http://www.emcsg.com>.

Please print clearly. -Illegible writing or incomplete forms may delay the processing of your application.

A. REGULATORY DETAILS

1. Do you hold **any** *electricity licence* that permits you to engage in and provide *market support services*? Yes No

2. Which market support services pertaining to the wholesale electricity markets are you permitted to engage in and provide under your electricity licence(s)?

supply and sale of electricity to non-contestable consumers

facilitating access to any wholesale electricity market for obtaining supply of electricity for contestable consumers and retail electricity licensees

providing other services related to access to any wholesale electricity market (please provide details: _____)

Electricity licence

number _____(s)

B. BUSINESS DETAILS

3. **Organisation** _____ **name** Name _____ **of** _____ **Applicant** _____ **(in** _____ **full)**

4. **Business** Company _____ **Registration** _____ **Number** _____

GST _____ **Registration** _____ **Number** _____

5. **Registered address** _____

_____ **Mailing** _____ **address**

6. **Account number of the *market participant bank account*:** _____

7. **Telephone:**

_____ **No.:**

7. **Facsimile:**

8. **Website:**

8. **Facsimile No.:** _____

9. **Website:** _____

C. ORGANISATIONAL CONTACTS

910. Meter Data Management Manager

	Manager	Alternate contact
Full Name & Designation		
Te / Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

1011. Finance / Accounts Manager

	Manager	Alternate contact
Full Name		
Te /Mobile		
Email Address		
Fax		

11. Electricity Market Liaison Manager

	Manager	Alternate contact
Full Name & Designation		
Te / Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

12. Electricity Market Liaison Manager

	Manager	Alternate contact
Full Name & Designation		
Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

13. Settlements Manager

	Manager	Alternate contact
Full Name & Designation		
Te / Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

1314. IT Systems Manager

	Manager	Alternate contact
Full Name & Designation		
Telephone / Mobile Phone Nos.		
Email Address		
Fax Nos.		

D. PRUDENTIAL DETAILS

Current credit types as described in Market Rules

~~Banker's~~ The forms of *credit support* presently permitted under the *market rules* are as follows:

~~a. **Guarantee or Letter of Guarantee:** This~~ **letter of credit:** *Credit support*, which is provided in the form of a guarantee or letter of credit must be provided by ~~an acceptable banking~~ a financial institution ~~(which satisfies the criteria prescribed in Appendix 1), of this application form,~~ must be an obligation in writing and must be governed by Singapore ~~law~~laws, as ~~referred to~~stated in ~~section~~sections 7.6.2.1 and 7.6.3.1 of Chapter 2 of the *market rules*. ~~The~~In the case of a guarantee, the guarantee must be executed as a deed and ~~per~~in the ~~format form and terms~~ set out in **Appendix 3** ~~and should be valid for at least one year (or provide for automatic renewal). The guarantee should name the EMC as beneficiary without restrictions~~2 of this application form. In the case of a letter of credit, the letter of credit must comply with the requirements of sections 7.6.2.1 and ~~should also allow partial drawings and claim on demand by the EMC up to the amount required as credit support under~~7.6.3.1(c) of Chapter 2 of the *market rules*.

~~b. **Cash deposits:** For~~*Credit support* which is provided in the form of cash deposits, ~~they must be in the form of cash deposits made with~~ must be made with, or assigned to, the EMC by or on behalf of the *market support services licensee* as stated in sections 7.6.2.3 and 7.6.3.3 of Chapter 2 of the *market rules* and must comply with the requirements of sections 7.6.2.3 and 7.6.3.3 of Chapter 2 of the *market rules*.

~~c. **Singapore Government Treasury bills:** Credit support~~ which is provided in the form of Singapore Government Treasury bills, as stated in sections 7.6.2.4 and 7.6.3.3 of Chapter 2 of the *market rules*, must be assigned to the EMC by or on behalf of the *market participant* as referred to section 7.6.2.3 of Chapter 2 of the *market rules*.

~~**Singapore Government T-bills:** As referred to section 7.6.2.4 of Chapter 2 of the market rules, they must be made with the EMC by or on behalf of the market participants~~*support services licensee*. ~~Market participants~~*support services licensees* should permit drawings and claims by the EMC ~~in~~ up to the full- amount of such Singapore Government Treasury bills. Such ~~Government T-Treasury~~ bills shall be valued as cash at their current market value less 2% to take into account the potential eroding effects of interest rate increases. *Credit support* which is provided in the form of Singapore Government Treasury bills must comply with the requirements of sections 7.6.2.4 and 7.6.3.3 of Chapter 2 of the market rules.

~~14. **Are you a participant in the existing Singapore Electricity Pool (SEP)?**~~

Yes (Go to 15 below) No (Go to 16 below)

~~15. **If yes, please provide the following:**~~

~~15.1 Settlement Account Name/Code:~~ _____

~~15.2 Total months, **Computation** of operation to date in the SEP:~~ _____

~~15.3~~ — ~~Average monthly settlement~~ **initial credit support** amount for this period: \$ _____

~~15.4~~ — Highest settled amount during this period: \$ _____

E.— CREDIT SUPPORT

Please provide us with your computation of the initial amount of *credit support* required, under the *market rules* and the applicable *market manual*. In particular, please refer to section 7 of Chapter 2 of the *market rules* and the Prudential Requirements *market manual*.

16. —What is your intended type of *credit support*?

—Banker's

- ___ Guarantee
- ___ Letter of credit
- ___ Cash deposits
- ___ Singapore Government Treasury bills

17. —Computation of Initial credit support requirement

~~Please provide us a computation of your credit support requirement which should be no less than your credit support value. Your credit support value should be equal to your Estimated Average Daily Exposure X 30 days. Your Estimated Average Daily Exposure should be determined in accordance with the EMC market manual on Prudential requirements (Chapter 2 Participation)~~

F.E. TECHNICAL REQUIREMENTS

Important notes for this section:

You must satisfy the following conditions ~~before you can be fully authorised~~ as part of the authorisation requirements:

- ~~a) a) —~~ Certify to the EMC that you meet the technical requirements as set out in the *market rules*, and in this section and in Appendix 2E; and
- ~~b) —~~ Ensure your facilities (if applicable) meet technical requirements for connection (as specified in any applicable connection agreement and the Transmission Code)
- ~~c) —~~ have at least one telephone line dedicated to communication with PSO's control center.

~~The EMC may conduct tests and inspections of your equipment to ensure it complies. Additionally, the Power System Operator and the transmission licensee may test your equipment for compliance.~~

- ~~b) 18~~ Obtain proper access permission (users and systems IP) from the EMC through completion of the NEMS Systems User Account and IP Address Administration Form (as may be prescribed by the EMC).

You must ensure that the following electronic communication facilities and equipment are available:

1. At least one personal computer that is equipped with and capable of using an internet browser application and Microsoft Windows Operating System software (and of such version) acceptable to the EMC (guidelines on this can be found at www.emcsg.com).

- 2. [A connection to the Internet \(which will allow the aforesaid personal computer\(s\) to establish connection with Energy Market Company Application web pages or with EMC's interfaces for the exchange of messages/files\).](#)
- 3. [Proper digital certificates for e-invoicing and backup offer submission \(where applicable\) via secure email \(guideline can be found in \[www.emcsg.com\]\(http://www.emcsg.com\)\).](#)

17. Do you confirm that you meet all these technical requirements?

- Yes No (go to [Q19Q18](#))

1918. If you don't meet all/or some of the technical requirements at the date of your application, please specify which requirements are not met, and when you expect to meet them.

F. CHECKLIST OF SUPPORTING DOCUMENTS REQUIRED

You must ~~provide certified true copies of~~attach the following documents with your application form ~~before they can be processed:~~

- ~~Business~~
- ~~An original copy of your most current business profile report of the Company issued by obtained from the Accounting and Corporate Regulatory Authority of Singapore.~~
- ~~Your Company's directors' resolution to participate in the wholesale electricity market and authorisation of person to sign application on behalf of Company.~~
- ~~Relevant~~
- ~~A certified true copy of your certificate of incorporation, notice of incorporation, or certificate of confirmation of incorporation issued by, or under the hand and seal of, the Registrar of Companies evidencing that you have been duly incorporated under the Companies Act (Chapter 50) of Singapore), and a certified true, and up-to-date, copy of your memorandum and articles of association.~~
- ~~A certified true copy of the resolutions of your board of directors (substantially in the form and terms prescribed in **Appendix 3** of this application form) approving (among other things) your application for authorisation under the *market rules* and your participation in the *wholesale electricity markets*.~~
- ~~A certified true copy of your *electricity licence(s)* obtained from the *EMA Authority* (if any).~~
- ~~Relevant agreement with *transmission licensee*~~
- ~~Audited~~
- ~~A certified true copy of your audited financial statements for the last 3 years (if such financial statements have been prepared).~~
- ~~Computation Your computation of your initial *credit support requirement* amount.~~

~~The following need not be submitted together with this application but must be provided before you can be registered.~~

- ~~Banker's Guarantee or Letter of Guarantee from a bank listed in 'Acceptable Banks' in Appendix 1.~~
- ~~Singapore Government Treasury bills.~~

H

- Your *credit support* (if required).
- A certified true copy of your letter, duly signed by your authorised representatives, to the bank or financial institution at which your *market participant bank account* is maintained, authorizing that bank or financial institution to permit *EMC* to directly debit your *market participant bank account*.
- A duly completed NEMS Systems User Account and IP Address Administration Form (as may be prescribed by the *EMC*).

G. COVENANT AND DECLARATION

~~I/We, the undersigned applicant(s), having read and fully understood the Singapore Electricity Market Rules (the 'Rules'), the Companies Act (Chapter 50) (the "CA"), market rules, the terms of this form, the applicable market manuals, the system operations manual, the Electricity Act, and any other applicable laws, codes, rules, procedures or policies that are relevant to or regulate the Singapore Electricity Market or the wholesale electricity industry (markets collectively the 'Laws/Regulations'), and/or having had the benefit of relevant independent legal advice, hereby apply to become authorised for the purpose of participating in the Singapore Electricity Market as a Market Support Services Licensee under the Electricity Act 2001 of Singapore (the 'Act') and covenant to be authorised under the market rules.~~

~~We hereby agree to be bound by, and to comply with and be legally bound by the Act, the Rules, the CA and the Laws (as the same may be amended from time to time), all the Regulations which may be applicable to us, our application for authorisation herein and our authorisation and participation in the wholesale electricity markets.~~

~~I/We, the undersigned applicant(s), We further hereby declare that the information provided by me/us (or on our behalf) in or in connection with this form is both true, complete and accurate and not misleading or omitting any material particular (to the best of my/our knowledge, information and belief after having carried out all necessary due diligence to determine the same) and hereby covenant to be subject to any sanctions, penalties or orders as may be imposed by the relevant authorities/parties under the Act, the Rules, the CA, or the Laws/Regulations, in the event that such information is found to be untrue, misleading or inaccurate by the relevant authorities in any material particular.~~

~~I/We, the undersigned applicant(s), We hereby undertake to immediately notify the EMC of any change to any information provided in relation to the application for authorisation herein.~~

~~We further hereby covenant to be legally bound by the relevant dispute resolution provisions under the Rules/market rules and any applicable market manual, in the event that this application for authorisation is denied and a dispute arises from such unsuccessful application— for authorisation.~~

~~We confirm and acknowledge that the information provided by us (or on our behalf) in or in connection with this form may need to be disclosed, communicated or exchanged by the EMC to or with other parties, including but not limited to the Authority, the PSO and other market support services licensees, as necessary, desirable or expedient for the purposes of processing this form under the Regulations and we hereby consent to such disclosure, communication or exchange.~~

Signed for and on behalf of ~~the Applicant by:~~ _____
(Name of applicant)

Signature: _____

Name of officer: _____

Position/designation: _____

Date: _____

H. EMC'S DISCLAIMER

Energy Market Company Pte Limited ("*EMC*") has produced this publication for use in connection with the Singapore Electricity Market. This publication is not a substitute for and should not be read in lieu of the Singapore Electricity Market Rules or any other applicable laws, codes, rules, procedures, manuals or policies that are relevant to or regulate the Singapore Electricity Market or the electricity industry. The contents of this publication do not constitute legal or business advice and should not be relied upon as a substitute for obtaining such advice.

EMC, its directors and employees, subsidiaries, associates and affiliates make no representations, endorsements or warranties of any kind whatsoever in relation to the contents of this publication, and in no event shall *EMC*, its directors and employees, subsidiaries, associates and affiliates be liable to any party for any damages, claims, expenses or losses of any kind arising from or in connection with any use of or reliance on the accuracy, availability, currency, title, non-infringement, quality, reliability, suitability and completeness of the contents of this publication.

Any modifications or amendments to this publication shall be made in accordance with the relevant provisions of the Singapore Electricity Market Rules.

APPENDIX 1

List of acceptable banks:

Local **Criteria to be satisfied by a financial institution providing credit support**

- The financial institution must be a local or foreign banksbank rated "A" or better by Standard & Poor's (S&P)
(S & P Website: www.standardpoor.com/RatingsActions/Ratingslists/FinancialInstitutions/Index.html)www.standardpoor.com)

APPENDIX 2

~~EMC's testing and certification of technical requirements~~

~~The following tests must be carried out successfully for the EMC to certify the MSSL's system. These tests will be carried out in conjunction with the EMC.~~

~~These tests will certify that the MSSL:~~

- ~~• can access private and public market information provided by the EMC. Where private information is specific to the MSSL alone, it will not be available to other market participants.~~
- ~~• is able to communicate securely with the EMC.~~
- ~~• is able to provide metering data:
 - ~~a) to the EMC via the electronic communications system~~
 - ~~b) to the EMC via the backup communication mechanism identified in the associated market manual.~~~~
- ~~• is able to receive confirmation of successful delivery to the EMC of information (regarding metering and/or vesting contracts) from the EMC.~~
- ~~• is able to confirm receipt of successful delivery of information (such as USAP prices) from the EMC.~~

~~If the MSSL provides vesting contracts to the EMC, these tests will also certify that the MSSL:~~

- ~~• is able to submit vesting contracts:
 - ~~a) to the EMC via the electronic communications system.~~
 - ~~b) to the EMC via the backup communication mechanism identified in the associated market manual.~~~~

APPENDIX 3

~~SAMPLE BANKERS' GUARANTEE APPROVED BY EMC~~

_____ [On the letterhead of the guarantor financial institution]

DATE: []

ENERGY MARKET COMPANY PTE LTD

~~9 Raffles Place~~

~~#22238 A Thomson Road~~

~~#11-01 Republic Plaza Novena Square Tower A~~

~~Singapore 048649307684~~

Dear Sirs,

BANKER'S GUARANTEE NO.[number] FOR S\$[state amount in numbers]

1. Pursuant to your obtaining an electricity licence authorising you to operate any wholesale electricity market in Singapore and your entering into the Market Rules under the Electricity Act ~~2004~~, [Chapter 89A](#) of Singapore (the "Rules") which set out and govern the trading of electricity in Singapore, we, - [name of guarantor financial institution], having our registered office at [address], hereby guarantee and undertake unconditionally and irrevocably to you the due payment of any and all sum or sums payable under the Rules by [name of market [participantsupport services licensee](#)] (the "Principal") and will pay to you immediately on your first written demand or respective written first demands in respect of each such sum demanded provided that our total liability under this Guarantee shall not exceed in aggregate SINGAPORE DOLLARS [state amount in words] (the "Maximum Sum").

2. Every such of your written demand shall be accompanied by your signed statement reading as follows:-

"WE, ENERGY MARKET COMPANY PTE LTD, hereby certify to you that the amount of S\$ [state amount in numbers] represents and covers the current outstanding obligations due and payable to us by [name of market [participantsupport services licensee](#)] pursuant to the Rules."

This Guarantee shall not be affected by any time, arrangement or other indulgence which you may grant to the Principal, or with any other person which might operate to diminish or discharge the liability of or otherwise provide a defence to a surety.

3. You shall have the right to demand payment at any time under this Guarantee to be made in SINGAPORE DOLLARS subject to the Maximum Sum. -This Guarantee shall remain in full force and effect until all sums whatsoever payable by the Principal under the Rules are fully paid.

4. Without prejudice to the provisions in clauses 1 to 3 above, upon your written demand for payment as aforementioned, we shall:-

- a in respect of any demand made before 12.00 noon local time at our office on any banking day, accept and honour your demand on or before 3.00 pm, local time of the same day;
- b in respect of any demand made after 12.00 noon local time at our office but on or before 5.00 pm local time at our office, accept and honour your demand on or -before 11.00 am local time of the next banking day following presentation of your demand;

by paying you in funds immediately available the full amount of your demand.

5. We agree that any written demand furnished by you to us under clause 2 shall be conclusive evidence that the said sum or sums referred to therein is/are due and payable to you by the Principal. We further agree that this Guarantee shall be effective from [date] to [date] (hereinafter called the "expiry date"). -Demands, if any, must be made in writing and received by us at our [Banker's Guarantee Section] at [address] on or before the expiry date. -Thereafter this Guarantee shall automatically cease to have any effect whatsoever, whether or not it is returned to us for cancellation.

6. You may make more than one claim under this Guarantee so long as the claims are made in accordance with the terms set out herein and the total amount of the claims does not exceed the Maximum Sum.

7. This Guarantee is non-assignable.

8. This Guarantee shall be governed by and construed in all respects in accordance with the laws of the Republic of Singapore and all parties hereby agree to submit to the exclusive jurisdiction of the Courts of Singapore.

SIGNED, SEALED AND DELIVERED for and on behalf of the GUARANTOR
[name of guarantor financial institution in capital letters]
by its Attorney(s):

[name]
[designation]

[name]
[designation]

acting under a Power of Attorney dated [date] (a copy of which was deposited in the Registry, Supreme Court, Singapore on the [] day of [] [200220] and registered as No.[registration number] of [200220])

in the presence of:

[name of witness]

APPENDIX 3

SAMPLE BOARD RESOLUTION

CERTIFIED TRUE EXTRACT OF RESOLUTIONS OF THE BOARD OF DIRECTORS OF

We, the undersigned, hereby certify to the Energy Market Company Pte Ltd (the “EMC”), that:

[at a meeting of the Board of Directors of _____ (the “Company”), a company having its registered office at _____, duly convened and duly held on _____ 20 _____ at _____, the following resolutions were duly passed and adopted and have been entered in the minute book of the Company and are now in full force and effect.]*

OR

[the following resolutions in writing have been duly passed and adopted pursuant to Article _____ of the Articles of Association of _____ (the “Company”), a company having its registered office at _____, and have been entered in the minute book of the Company and are now in full force and effect.]*

“RESOLVED THAT:

1. the Company shall participate in the wholesale electricity markets operated and maintained by the EMC, in accordance with the Singapore Electricity Market Rules and the market manuals for the time being issued (and as may be amended) by the EMC (collectively, the “market rules’), and such participation be and is hereby approved;
2. the Company apply to the EMC (the “MSSL Authorisation Application”) for authorisation to participate in the wholesale electricity markets (“Authorisation”) in accordance with the market rules and such application for Authorisation be and is hereby approved;
3. it be noted and agreed that, upon submission of the Company’s MSSL Authorisation Application to the EMC (and whether or not Authorisation is eventually granted by the EMC), the Company shall be bound by and shall comply with the market rules as may be applicable (i) to the Company’s MSSL Authorisation Application, and (ii) if such Authorisation is eventually granted by the EMC, to the Company’s Authorisation and participation in the wholesale electricity markets;
4. [each of [•^] and [•^] singly] / [both of [•^] and [•^] jointly]* (the “Authorised Officers”) be and [is/are]* hereby authorised to sign, execute and deliver the MSSL Authorisation Application and such other supporting or required documents for and on behalf of the Company and to agree, as such person(s) may deem fit, to any amendment or variation thereof as may be required by the EMC;
5. in pursuance of the foregoing, [each/both]* of the Authorised Officers [singly/jointly]* be and [is/are]* hereby authorised to sign, execute and deliver such other documents, and to do all such other acts and things, as may be necessary, desirable or expedient in pursuance of, in relation to, or in connection with the Company’s MSSL Authorisation Application, Authorisation and participation in the wholesale electricity markets; and if any document is required to be executed under the common seal of the Company, the affixing of the common seal of the Company in accordance with the Company’s Articles of Association be and is hereby authorised; and

* Delete where inapplicable or inappropriate.

^ The full name of each Authorised Officer (as set out in his/her NRIC or passport) should be stated in these resolutions. If it is desired to state an office/designation without stating the name of any specific person in these resolutions, the EMC will only accept persons holding the offices of a director or a company secretary of the Company as Authorised Officers.

6. any Authorised Officer be and is hereby authorised to deliver a certified true copy of these resolutions to the EMC in connection with the Company's MSSL Authorisation Application."

CERTIFIED AS A TRUE EXTRACT BY

Signature: _____

Name: _____

Designation: _____

Date: _____