



# **BIOGAS BIDDING SUBMISSION**

**Sustainable Energy Development Authority Malaysia**

**29th May 2019**



# Changes



## **Changes in the eFiT Biogas Bidding Application:**

- **Workflow**
- **Profile Registration / Requirement**
- **Application Form**
- **Technical**
- **Supporting Document**
- **Workplan**
- **Submit Application**
- **Application Status**

**\*Please fill in the application form following the tab sequence**



# Workflow





# Profile



The contact person must be one of the authorized person

## Authorised Personnel

CONTACT PERSON	NAME	MYKAD NO. / PASSPORT NO.	DESIGNATION	
<input checked="" type="radio"/>	AAAAAAAAA	7404040404	PROJECT MANAGER	<input type="checkbox"/>
<input type="radio"/>	BBBBBBBBB	6809090909	ENGINEER	<input type="checkbox"/>

Add New Row

## Contact Person

Note: Contact Person must be one of the Authorized Personnel of Company / Organization

Full Name : AAAAAAAAA \*

MyKad No./Passport No. : 7404040404 \*

Note: Please key in the numeric portion of the Passport Number

Position in Company / Organization : PROJECT MANAGER \*

Telephone No. : 03 - 34242324 \*

Mobile No. : 012 - 23442323 \*

Email : a@xx.com.my \*

\*All notification will be sent to this email

Note: Authorised personnel are individuals who are duly appointed and authorised by the company's Board of Directors to make a Feed-in Approval application on behalf of the Company and to execute and submit all documentation in relation thereto. The named Authorised personnel will be required to sign the Declaration on behalf of the company before submitting the FiA application. A copy of the Company's Board of Directors resolution and/or circular resolution duly certified by the Company Secretary is to be provided as a supporting document.



# Profile



## ○ Supporting Documents

NO.	DOCUMENT NAME
* 1.	ANNUAL RETURN (SECTION 68) OR THE LATEST SSM REPORT
* 2.	THE MEMORANDUM AND ARTICLES OF ASSOCIATION OF THE APPLICANT OR FORM SECTION 14 (COMPANIES ACT 2016)
* 3.	FORM 8 (CERTIFICATE OF INCORPORATION OF PUBLIC COMPANY) OR FORM 9 (CERTIFICATE OF INCORPORATION OF PRIVATE COMPANY) IN CONNECTION WITH THE APPLICANT UNDER THE COMPANIES ACT 1965 OR CERTIFICATE - SECTION 17 (COMPANIES ACT 2016);
* 4.	ALL FORMS 24 (RETURN OF ALLOTMENT OF SHARES) LODGED BY THE APPLICANT WITH THE REGISTRAR OF COMPANIES UNDER THE COMPANIES ACT 1965; OR ALL FORMS SECTION 78 (COMPANIES ACT 2016)
* 5.	THE LATEST FORM 49 (COMPANIES ACT 1965) OR LATEST FORM SECTION 58 (COMPANIES ACT 2016) LODGED BY THE APPLICANT WITH THE REGISTRAR OF COMPANIES TO NOTIFY ON THE CHANGE IN THE REGISTER OF DIRECTORS, MANAGERS AND SECRETARIES.
* 6.	THE EXTRACT OF THE COMPANY'S BOARD RESOLUTION AUTHORIZING THE AUTHORISED PERSONNEL TO MAKE THIS APPLICATION ON BEHALF OF THE APPLICANT AND TO EXECUTE AND SUBMIT ALL DOCUMENTATION IN RELATION THERETO.
7.	ELECTRICITY BILL (MUST BE SAME AS THE APPLICANT ADDRESS)
* 8.	A SHARE-HOLDING/OWNERSHIP STRUCTURE DIAGRAM; DETAILING THE SHAREHOLDING PERCENTAGES OF EACH ULTIMATE SHAREHOLDERS IN THE COMPANY.
* 9.	A CLEAR COPY OF X1 (878787112222) MYKAD
* 10.	A CLEAR COPY OF X2 (868686112222) MYKAD
* 11.	A CERTIFIED COPY OF THE LATEST SSM REPORT OF THE COMPANY(S) WHERE X1 (878787112222) IS A SHAREHOLDER; DIRECT OR INDIRECT IN ACCORDANCE WITH THE COMPANIES ACT 2016
* 12.	A CERTIFIED COPY OF THE LATEST SSM REPORT OF THE COMPANY(S) WHERE X2 (868686112222) IS A SHAREHOLDER; DIRECT OR INDIRECT IN ACCORDANCE WITH THE COMPANIES ACT 2016



# Application Form



BIOGAS	2018		2019		2020		2021		2022		2023		2024	
	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2	H1	H2
Quota Available (MW)	N/A	0	0	0	0	0	0	0	0	0	0	0	0	TBA
FiT Rate (RM/kWh)	N/A	0	0	0	0	0	0	0	0	0	0	0	0	TBA

- Once the applicant choose the <Renewable Resources> as “Biogas”, the quota dashboard will not be shown

# Application Form

0% 20% 40% 60% 80% 100% Average: 0%

Project Information | Contractor | Technical | Financial | Supporting Docs | Work Plan | Generation

**INSTRUCTIONS:** - MANDATORY fields.  
 - Please specify at least one.  
 - Auto generated value.  
 - Input field.  
 - Please save before switching tab.  
 - To Be Announced

Applicant's Name: RBS MISARADI ENGINEERING SDN BHD  
 Renewable Resource: BIOGAS  
 Project Status: NEW PROJECT  
 Region Location: SELANGOR DARUL EHSAN  
 Connection Point: MEDIUM VOLTAGE (FROM 1KV TO 50KV)  
 AIRLINE SYSTEM BND: \*

Total Installed Capacity (MW): 4  
 Net Export Capacity (MW): 4  
 Proposed Basic FiT Rate: 0.3000

**Limit capacity to 10MW per application**

**New field - "Proposed Basic FiT Rate"**  
 \*format number must be 4 decimal places

NOTE: APPLICANT MUST 'RE-SAVE' ALL ENTIRES WHENEVER CHANGES ARE MADE. ALL UPDATES.

**FIT RATE IN ADDITION TO BASIC FIT RATE**

Additional For Use Of Gas Engine Technology With Electrical Efficiency Of Above 40%  
 Additional For Use Of Locally Manufactured Or Assembled Gas Engine Technology  
 Additional For Use Of Landfill, Sewage Gas Or Agricultural Waste including Animal Waste As Fuel Source

**Auto selected the bonus "G03"**  
 Additional For Use Of Landfill, Sewage Gas Or Agricultural Waste Including Animal

**LOCATION OF THE PROJECT SITE**

LAND TITLE'S UPR LOCATION (Universal Parcel/Island)

State: SELANGOR DARUL EHSAN  
 District: KUALA LUMPUR  
 Sub-District / City / Town: BUKIT BANGAR  
 Section: 10A  
 Lot / PT No.: 1  
 UPR Code: 1002010001

**PROJECT SITE POSTAL ADDRESS**

Address: 301  
 Postcode: 41111  
 State: SELANGOR DARUL EHSAN  
 District: BANGSAR BUKIT TRIGGI

Please enter the GPS location of project.  
 Please enter the latitude and longitude coordinates in decimal, minutes and seconds format (DDMMSS):  
 (e.g. Latitude: 0° 15' 30.000" Longitude: 102° 7' 18.647")  
 Please take note that the Google Maps features are not supported on Chrome browser. You may use other browser to get the Latitude and Longitude of your proposed project site.

Latitude: 0° 15' 30.000"  
 Longitude: 102° 7' 18.647"

Site Ownership:  
 Fully Owned  
 Leased  
 Owned by My Company (I'm a Shareholder of the Company)  
 Owned (Charged To Bank)  
 Owned by Shareholder/Director  
 Other as Rent/Lease  
 Other as Tenancy/Lease/Shareholding

Owner Of The Site / Lease Name: RBS MISARADI ENGINEERING SDN BHD  
 (The Applicant is required to upload documents proving the Applicant's ownership of the site, or other conditional or unconditional rights (e.g. Option to Rent/Lease or lease agreement) that the Applicant has to utilize/lease the site for a minimum period equivalent to the effective period.)

Current Site Activities: COMMERCIAL

- Additional Input: Proposed Basic FiT Rate
- Bonus G03 is compulsory and automatic selected
- Installed Capacity is Limited to 10 MW



# Contractor



## SERVICE PROVIDER

Company Registration No.	<input type="text" value="XXXXXXXX"/>	*
Company Name	<input type="text" value="XXXXXXXX"/>	*
Business Address	<input type="text" value="XXXXXXXX"/>	*
	<input type="text" value=""/>	
	<input type="text" value=""/>	
Postcode	<input type="text" value="11111"/>	*
City	<input type="text" value="XXXXXXXX"/>	*
State	<input type="text" value="PAHANG DARUL MAKMUR"/>	*
Email	<input type="text" value="xx@xx.com.my"/>	*
Telephone No	<input type="text" value="04 - 2342342"/>	*
Fax No	<input type="text" value="04 - 2342342"/>	*
Website	<input type="text" value=""/>	

Note: The service provider can be a main engineering procurement and construction contractor, system integrator or technology provider based in Malaysia. The Applicant may also be its own service provider provided that its employees possess the applicable qualifications. A service provider may also be one of the qualified persons.

## PROJECT MANAGER

Nationality	<input type="text" value="MALAYSIA"/>	*
MyKad No./Passport No.	<input type="text" value="541111441111"/>	*
	<small>Note: Please key in the numeric portion of the Passport Number</small>	
Full Name	<input type="text" value="XXXXXXXXXX"/>	*
Telephone No.	<input type="text" value="03 - 2342342"/>	*
Mobile No.	<input type="text" value="012 - 2342342"/>	*
Email	<input type="text" value="xx@xx.com.my"/>	*

Note: The project manager can be an employee of either the Applicant or the service provider.

## QUALIFIED PERSONS

Qualified Person 1		
Name of Qualified Person	<input type="text" value="XXXXXXXXXX"/>	*
Organisation or Company Name	<input type="text" value="XXXXXXXXXX"/>	*
Company Registration No. (if any)	<input type="text" value="XXXXXXXXXXXX"/>	*
Certificate No.	<input type="text" value="XXXXXXXXXX"/>	*
Telephone No.	<input type="text" value="03 - 44444444"/>	*
Mobile No.	<input type="text" value="012 - 55555555"/>	*
Email	<input type="text" value="xx@xx.com.my"/>	*
Scope of Works	<input type="text" value="XXXXXXXXXX&lt;br/&gt;XXXXXXXXXXXXXX&lt;br/&gt;XXXXXXXXXXXXXXXXXX"/>	*

Cancel

Add Qualified Persons

Note: Persons tasked by the Applicant with the carrying out of any work, action, certification, obligation or responsibility to the compliance with any provisions of any subsidiary legislation made pursuant to the Renewable Energy Act 2011. The Applicant is required to provide evidence of qualifications of qualified persons consistent with the requirements of the Renewable Energy (Technical and Operations) Rules 2011.





# Technical



Total Installed Capacity (MW):	4	<b>AVERAGE</b>	<b>GENERATION</b>	<b>EXPORT</b>
Net Export Capacity (MW):	4	Capacity factor (%):	85	85
Interconnection Voltage (kV):	11	Energy Yield (MWh/year):	29784	29784
Note: As determine by PSS or CCC (if any):		Specific Yield (MWh/MW/year):	7446	7446
LV: 0.23 kV or 0.4 kV				
MV: 11 kV, 22 kV or 33 kV				
Distance from the plant to interconnection Point (km):				

### YIELD PROJECTION

- \* Generation: Total amount of renewable energy to be generated by the renewable energy installation in a year.
- \* Export/Declared Annual Availability (DAA): Total amount of renewable energy to be generated by the renewable energy installation and delivered up to the connection point in a year.
- \* The Generation and Export/Declared Annual Availability (DAA) will be automatically pro-rated for the first and last years by the e-PiZ Online System.
- \* Formula:  
 Capacity Factor (%) = (Energy Generated (MWh)) / (Total Installed Capacity (MW) \* 8760) \* 100  
 Percentage Export (%) = (Energy Export (MWh)) / (Net Export Capacity (MW) \* 8760) \* 100

YEAR NO.	GENERATION BASED ON INSTALLED CAPACITY		EXPORT/DECLARED ANNUAL AVAILABILITY BASED ON NET EXPORT CAPACITY	
	MWh	CAPACITY FACTOR(%)	MWh	PERCENTAGE EXPORT(%)
1 *	29784	85	29784	85
2	29784	85	29784	85
3	29784	85	29784	85
4	29784	85	29784	85
5	29784	85	29784	85
6	29784	85	29784	85
7	29784	85	29784	85
8	29784	85	29784	85
9	29784	85	29784	85
10	29784	85	29784	85
11	29784	85	29784	85
12	29784	85	29784	85
13	29784	85	29784	85
14	29784	85	29784	85
15	29784	85	29784	85
16	29784	85	29784	85
17	29784	85	29784	85
18	29784	85	29784	85
19	29784	85	29784	85
20	29784	85	29784	85
21	29784	85	29784	85
22 *	29784	85	29784	85

## Technical

❖ REPPA tenure = **21 years**



# Supporting Documents



- Some of the supporting documents are different from the existing Biogas application
- Document for “Detailed financial model showing how the bid tariff is derived” **MUST BE** in excel format as provided.

DOCUMENT NAME	REFERENCE NUMBER	REFERENCE DATE	ACTION	SUPPLIED
<p>★ Written documentation from a qualified person setting out the detailed engineering design (including all relevant calculations to justify the installed capacity and claimed efficiencies) of the renewable energy installation utilizing the relevant fuel source including the relevant equipment for the combustion process of the fuel source, the calculation of the indicative quantity of fuel source required and the calculation of the indicative quantity of renewable energy to be generated from the installation</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
<p>★ (a)For biogas plant utilizing agriculture waste including animal waste as fuel source: scanned soft copy of the fuel supply agreement(s)/term sheet(s) from the entity(ies) that will be providing the renewable resources. (b)For plants utilizing landfill or sewage gas as fuel source: Either written evidence of the applicant's ownership of a landfill or sewage system, or a certified copy of a conditional or unconditional letter or agreement from or with the relevant municipal council or other entity agreeing to supply the applicant with the relevant fuel source.</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
<p>★ Documents proving the Applicant's ownership of the site, or other conditional or unconditional rights (e.g. Lease or leasing agreement) that the applicant has to utilize/lease the site for a minimum period equivalent to the effective period.</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
<p>★ Land title showing proof of ownership by the applicant or lessor.</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
<p>★ Detailed financial model showing how the bid tariff is derived (mandatory in excel)</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
<p>★ The approval letter from the distribution licensees (DL) together with the report on the power system study (PSS) conducted in accordance with the Renewable Energy (Technical and Operational Requirements) Rules 2011 and amendments Rules 2014</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
<p>★ A certificate of registration (with Practicing Certificate) of each Qualified Person with the Board of Engineers Malaysia as a Professional Engineer</p>	<input type="text"/> ★	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-



# Workplan



## Workplan

- System will automatically set the submission date
- Applicant need to fill in the time frame duration for all the milestones
- Total duration **MUST BE 36 months**

MILESTONE	ESTIMATED DUE DATE	TOTAL DURATION (FROM SUBMISSION DATE)
1. SUBMISSION Submission Date : <input type="text"/> Today Time Frame : <input type="text" value="4"/> Month (s) <input type="text" value="2"/> Week (s)		5 Month (s) 2 Week (s)
2. REGISTRATION OF REPPA WITH SEDA & ST PUBLIC LICENSE (PROVISIONAL) Time Frame : <input type="text" value="2"/> Month (s) <input type="text" value="2"/> Week (s)	06/03/2019	8 Month (s)
3. FINANCING AGREEMENT (S) Time Frame : <input type="text" value="8"/> Month (s) <input type="text"/> Week (s)	20/05/2019	16 Month (s)
4. FIRST PAYMENT TO EPC CONTRACTOR Time Frame : <input type="text" value="8"/> Month (s) <input type="text"/> Week (s)	20/01/2020	24 Month (s)
5. INITIAL OPERATION DATE (IOD) Time Frame : <input type="text" value="12"/> Month (s) <input type="text"/> Week (s)	20/09/2020	36 Month (s)
6. FIT COMMENCEMENT DATE	20/09/2021	



# Workplan



<b>NO. MILESTONE / TASK NAME</b>	
<b>1</b>	<b>PROJECT START (26/09/2017)</b>
	Scanned soft copy of the ST Public License (Provisional). Hard copy of the above certified as a true copy by an Advocate & Solicitor of the High Court of Malaya or a Commissioner of Oaths.
	Scanned soft copy of the duly executed and stamped REPPA Form BG1, BG2 (whichever applicable).. Hard copy of the above certified as a true copy by an Advocate & Solicitor of the High Court of Malaya or a Commissioner of Oaths.
<b>2</b>	<b>REGISTRATION OF REPPA WITH SEDA &amp; ST PUBLIC LICENSE (PROVISIONAL)</b>
	Scanned soft copy of the Applicant's bank account latest 3 months statements showing a minimum credit balance of 5 % of the capital cost of your project (applicable to company only), financing agreement(s), and related documents entered into in respect of the financing or refinancing of the renewable energy installation.
	Renewable Resource Supply Arrangements : Scanned soft copy of the letter(s) of intent/offer letter/term sheet from entities that will be providing renewable resources to the Applicant for the project.
<b>3</b>	<b>FINANCING AGREEMENT (S)</b>
	Scanned soft copy of a letter from the FIA Holder's financier confirming that funds have been released to the FIA Holder for the 1st drawdown under the Financing Agreement(s).
	Scanned soft copy of the official receipt from the Contractor.
<b>4</b>	<b>FIRST PAYMENT TO EPC CONTRACTOR</b>
	Scanned soft copy of the report / confirmation by DL that the revenue meter has been installed.
	Scanned soft copy of the complete SEDA T&C Checklist (Checklist must be signed by SEDA's representative for systems > 12kW)
	Scanned soft copy of the ST Public License (Permanent). Hard copy of the ST Public License (Permanent) certified as a true copy by an Advocate & Solicitor of the High Court of Malaya or a Commissioner of Oaths.
	Scanned soft copy of the written confirmation from the FIA Holder that the initial operation date has occurred, accompanied by: a) A certificate from a qualified person stating that the renewable energy installation and interconnection facilities have been designed and constructed in accordance with prudent utility practices; and
	Scanned soft copy of the written confirmation from the FIA Holder that the initial operation date has occurred, accompanied by: b) The distribution licensee's written acceptance of the initial operation date proposed by the FIA Holder.
<b>5</b>	<b>INITIAL OPERATION DATE (IOD)</b>
	Scanned soft copy of the written confirmation from the FIA Holder that the FIT Commencement Date has occurred, accompanied by:- i) A certificate from a qualified person stating that the renewable energy installation has successfully completed a reliability run in accordance with the requirements of the Renewable Energy (Technical and Operational Requirements) Rules 2011. (For installations other than Solar PV); or ii) The Inverter Site Test Report (Only for PV Installations)
	Scanned soft copy of the written confirmation by a qualified person that the relevant equipment was installed in the renewable energy installation. (gas engine technology with electrical efficiency of above 40%)
	Scanned soft copy of the written confirmation by a qualified person that the relevant equipment was installed in the renewable energy installation. (locally manufactured or assembled gas engine technology)
	Written confirmation by a qualified person that the applicable requirements of the Renewable Energy (Technical and Operational Requirements) Rules 2011 relating to the commissioning of the renewable energy installation have been successfully met utilising the fuel source substantially in the manner described in the FIA application.
<b>6</b>	<b>FIT COMMENCEMENT DATE</b>



# Submit Application



- ❖ Once the draft is 100% completed, the system will allow applicant to submit the application.

Please save before switching tab

[Back](#) [Print](#) [Save Application](#) [Confirm Submit](#)

- ❖ System will popup the “Confirmation form”. Applicant needs to check all the application information.

CONFIRMATION FORM

Application Form

Application Number	:		Total FIT Rate (RM / kWh)	: 0.3786
Applicant's Name	:	R&S NUSAPADU ENGINEERING SDN BHD	Connection Point	: MEDIUM VOLTAGE ( FROM 1KV TO 50KV )
Renewable Resource	:	BIOGAS ( Landfill / Agri Waste )	Connection Type	: DIRECT
Project Status	:	NEW PROJECT	Distribution Licensee	: MALAYSIAN AIRLINE SYSTEM BHD
Region Location	:	SELANGOR DARUL EHSAN	Proposed FIT Rate (RM/kWh)	: 0.3000
Installed Capacity (MW)	:	4		
Net Export Capacity (MW)	:	4		
Estimated Scheduled FITCD	:	20/09/2021		
Estimated Submission Date	:			



# Submit Application



- ❖ Applicant needs to tick all the declaration items before submitting the application
- ❖ Applicant needs to key in the declaration information
- ❖ Applicant needs to click the “Submit Application” button
- ❖ Application status will be changed to **“Biogas: Waiting for Fee Payment”**

8. The Applicant hereby agrees and consents to the full disclosure of the information submitted with this application and any additional information it may submit in accordance with paragraph 4 above to the Energy Commission and any service provider and/or financier identified by the Applicant. The Applicant also agrees and consents to the disclosure of such information to the distribution licensee whose electricity distribution network the proposed renewable energy installation is to be connected to, to the extent deemed appropriate by the Sustainable Energy Development Authority Malaysia. Such disclosure shall not be a breach of any confidentiality obligations owed to it by the Sustainable Energy Development Authority Malaysia.


9. The Applicant hereby agrees to upload a copy of this duly signed Declaration Form onto the e-FIT system within 3 calendar days from today, failing which will result in the deemed withdrawal of this application pursuant to subsection 6(2) of the Renewable Energy Act 2011.

Submit By / Full Name : XXXXXXXXXXXXXXX

MyKad No. / Passport No. : 75555114444

Email : xx@xx.com.my

CAPTCHA Verification



[Reload image]  
Please enter the text from the image  
-aciuu

I hereby declare that all information contained in this application are true and correct. I understand that false or inaccurate information in the application will be the basis for termination and any action may be taken against me.



# Payment



- **Offline Payment**
- **Must Submit the proof of payment/transfer**
- **Make sure:**
  - **it is clear**
  - **In pdf format**
  - **Payment transfer must be cleared before the closing date**



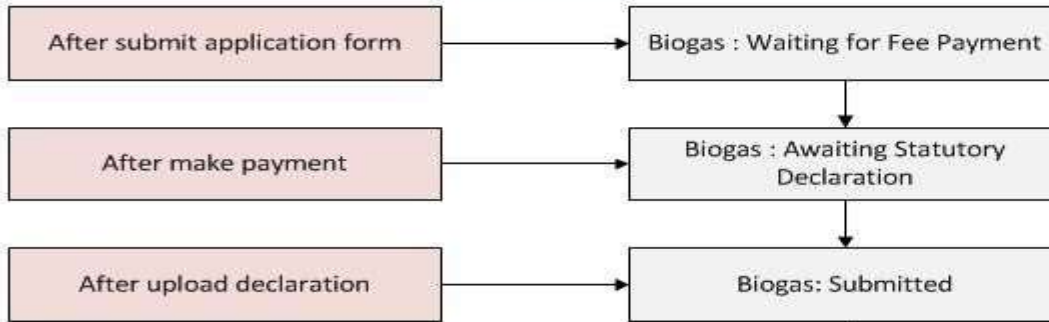
# Application Status



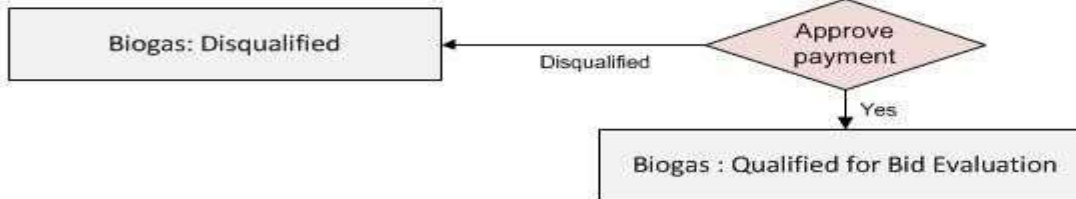
- **After the application is submitted, the status will change to “Biogas: Waiting for Fee payment”**
- **After the proof of payment is uploaded, the status will change to “Biogas: Waiting for Statutory Declaration”**
- **After the declaration is uploaded, the status will change to “Biogas: Submitted”.**
- **After the closing date, SEDA will verify the payment. If the payment is approved, the status will change to “Biogas: Qualified for Bid Evaluation”, else the application status will change to “Biogas: Disqualified”**
- **For the successful application, the status will change to “Biogas: Successful Bidder” and the quota will be allocated. Else the applications status will be changed to “Biogas: Unsuccessful Bidder”.**



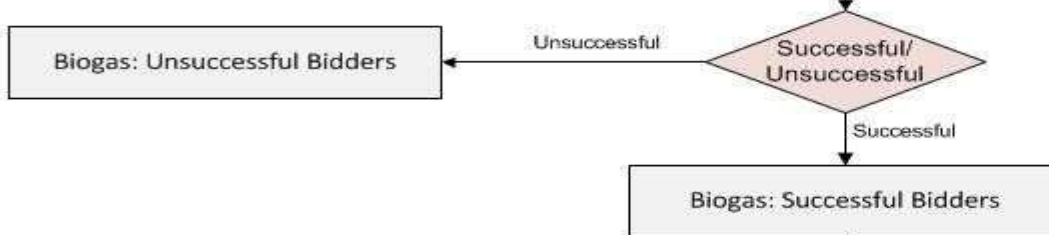
# Application Status



Close Bidding



Payment verification



Successful/ Unsuccessful



Release Quota

# Thank you



**SEDA Malaysia,**  
Galeria PjH, Level 9  
Jalan P4W, Persiaran Perdana,  
Presint 4, 62100 Putrajaya, Malaysia.

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