



# SMALL HYDRO e-BIDDING SUBMISSION

**9 August 2019**

Sustainable Energy Development Authority (SEDA) Malaysia



# Changes

## Changes in the Small Hydro e-Bidding Application:

- Workflow
- Application Form
- Supporting Document
- Workplan
- Submit Application
- Application Status

# Workflow



# Application Form



Once “**Small Hydro**” been selected as <Renewable Resource> in the application form;

- The quota dashboard will not be shown

BIOGAS	2018		2019		2020		2021		2022		2023		2024	
	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

- New selection for <Renewable Resource Type>

Renewable Resource Type : [ PLEASE SELECT ]  \*

[ PLEASE SELECT ] \*

SMALL HYDRO (LOW HEAD) \*

SMALL HYDRO (HIGH HEAD)

- New input for <Proposed Basic FiT Rate>

Proposed Basic FiT Rate :  \*

# Application Form



## Reference price for the Proposed FiT Rate

Description	*Reference Price (RM/kWh)
a) net head of more than 10 meters (high head)	0.26
b) net head of up to and including 10 meters (low head)	0.29

# Project Information



Application Form

0% 0% 0% 0% 0% 0% 0% Average: 0%

Project Information Contractor Technical Financing Supporting Docs Work Plan Declaration

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

Applicant's Name : XXXXXXXXXXXX SDN BHD  
Renewable Resource : SMALL HYDRO \*  
Renewable Resource Type : SMALL HYDRO (LOW HEAD) \*  
Project Status : NEW PROJECT \*  
Region Location : SELANGOR DARUL EHSAN \*  
Total Installed Capacity (MW) : 9 \*  
Net Export Capacity (MW) : 9 \*  
Proposed Basic FIT Rate : 0.2700 \*  
NOTE: APPLICANT MUST 'RE-SAVE' ALL ENTRIES WHEN RE-ENTERING THE APPLICATION TO ENSURE THE SYSTEM CAPTURES ALL UPDATES

**New field - Renewable Resource Type**  
• Low Head  
• High Head

**New field - Proposed Basic FIT Rate**

PROJECT INFORMATION CONTRACTOR TECHNICAL FINANCING SUPPORTING DOCS WORK PLAN

**LOCATION OF RE PROJECT SITE**

LAND TITLE'S UPI LOCATION (Universal Parcel Index)

State : [PLEASE SELECT] \*  
District : [N/A] \*  
Sub-District / City / Town : [PLEASE SELECT] \*  
Section : [PLEASE SELECT] \*  
Lot / PT No. : \* (Please refer to your Land Title for lot / PT No.)  
UPI Code : \*

**PROJECT SITE POSTAL ADDRESS**

Address : \*  
Postcode : \*  
State : SELANGOR DARUL EHSAN  
District : [SILA PILIH] \*

Please click 'Set Coordinate On Google Maps' button to set Latitude and Longitude of your location

Set Coordinate On Google Maps

Latitude : \* \* \* \* \*  
Longitude : \* \* \* \* \*

Site Ownership

Fully Owned \*  
 Leased \*  
 Owned by My Company (I'm a Shareholder of the Company) \*  
 Owned (Charged To Bank) \*  
 Owned by Shareholder/Director \*  
 Option-to-Rent/Lease \*  
 Owned by Spouse/Parent/Children/Sibling \*

Owner Of The Site / Bank Name / Lessor Name : \*  
(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 leasing agreement) that the Applicant has to utilise/lease the site for a minimum period equivalent to the effective period)

Current Site Activities : [PLEASE CHOOSE] \*

- Additional Input:
  - ✓ Renewable Resource Type
  - ✓ Proposed Basic FIT Rate
- Installed Capacity is limited to 30 MW per application

# 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"/>	
	<input type="text"/>	
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"/> - <input type="text" value="32342342"/>	*
Fax No. :	<input type="text" value="04"/> - <input type="text" value="23423423"/>	*
Website :	<input type="text"/>	

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"/>	
	Note: Please key in the numeric portion of the Passport Number	
Full Name :	<input type="text" value="XXXXXXXXXX"/>	
Telephone No. :	<input type="text" value="03"/> - <input type="text" value="23423423"/>	
Mobile No. :	<input type="text" value="012"/> - <input type="text" value="32423423"/>	
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="XXXXXXXXXX"/>	
Certificate No. :	<input type="text" value="XXXXXXXXXX"/>	*
Telephone No. :	<input type="text" value="03"/> - <input type="text" value="44444444"/>	*
Mobile No. :	<input type="text" value="012"/> - <input type="text" value="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"/>	*

Delete

Add Qualified Person

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



## 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-FIT Online System.
- \* Formula :  

$$\text{Capacity Factor (\%)} = [\text{Energy Generated (MWh)} / (\text{Total Installed Capacity (MW)} * 8760)] * 100$$

$$\text{Percentage Export (\%)} = [\text{Energy Export (MWh)} / (\text{Net Export Capacity (MW)} * 8760)] * 100$$

YEAR NO.	GENERATION BASED ON INSTALLED CAPACITY		EXPORT/DECLARED ANNUAL AVAILABILITY BASED ON NET EXPORT CAPACITY	
	MWh	CAPACITY FACTOR(%)	MWh	PERCENTAGE EXPORT(%)
1 *	63072	80	63072	80
2	63072	80	63072	80
3	63072	80	63072	80
4	63072	80	63072	80
5	63072	80	63072	80
6	63072	80	63072	80
7	63072	80	63072	80
8	31536	40	31536	40
9	63072	80	63072	80
10	63072	80	63072	80
11	63072	80	63072	80
12	63072	80	63072	80
13	63072	80	63072	80
14	63072	80	63072	80
15	63072	80	63072	80
16	63072	80	63072	80
17	63072	80	63072	80
18	63072	80	63072	80
19	63072	80	63072	80
20	63072	80	63072	80
21	63072	80	63072	80
22 *	63072	80	63072	80

## Technical

- Maximum capping for DAA = 80%
- Minimum capping for DAA = 40%
- REPPA tenure = 21 years

# Supporting Documents



- All supporting documents will be different from existing FiA application form
- 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
★ Pre-feasibility/feasibility study report of the small hydro project from a qualified person setting out the detailed engineering design (Including all relevant calculations to justify the installed capacity) of the renewable energy installation. The design drawings and calculations must clearly state the net head for the hydro project	<input type="text"/>	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
★ Scanned soft copy of the Water Rights Agreement or approval letter from the Government entity that will grant rights to the Applicant to abstract, extract and/or utilise raw water for the operation of the renewable energy installation.	<input type="text"/>	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
★ Documents proving the Applicant's ownership of the site, or other conditional or unconditional rights (e.g. Lease/leasing agreement/state approval letter) that the applicant has to utilize/lease the site for a minimum period equivalent to the effective period	<input type="text"/>	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
★ Detailed financial model showing how the bid tariff is derived. The information and data provided in the financial model shall be clearly explained and in consistence with the Bid Offer and Financial Model Assumptions (mandatory in excel). <a href="#">Download Excel Template</a>	<input type="text"/>	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
★ 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.	<input type="text"/>	<input type="text"/> 20	<input type="button" value="Browse..."/> No file selected.	-
★ A certificate of registration (with Practising Certificate) of each Qualified Person with the Board of Engineers Malaysia as a Professional Engineer.	<input type="text"/>	<input type="text"/> 20	<input type="button" value="Browse..."/>	-

# 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** 60 months

PROJECT INFORMATION | CONTRACTOR | TECHNICAL | FINANCING | SUPPORTING DOCS | **WORK PLAN**

MILESTONE	ESTIMATED DUE DATE	TOTAL DURATION (FROM SUBMISSION DATE)
1. SUBMISSION Submission Date : <input type="text"/> Today Time Frame : 12 Month (s) 0 Week (s)		12 Month (s)
2. REGISTRATION OF REPPA WITH SEDA & ST PUBLIC LICENSE (PROVISIONAL) Time Frame : 12 Month (s) 0 Week (s)	01/10/2020	24 Month (s)
3. FINANCING AGREEMENT (S) Time Frame : 12 Month (s) 0 Week (s)	01/10/2021	36 Month (s)
4. FIRST PAYMENT TO EPC CONTRACTOR Time Frame : 12 Month (s) 0 Week (s)	01/10/2022	48 Month (s)
5. INITIAL OPERATION DATE (IOD) Time Frame : 0 Month (s) 0 Week (s)	01/10/2023	48 Month (s)
6. FIT COMMENCEMENT DATE	01/10/2023	

**TOTAL DURATION MUST BE EXACTLY 60 MONTHS!**

# Workplan



NO. MILESTONE / TASK NAME	DUE DATE	SOFTCOPY	HARDCOPY	ACTION
<b>1 PROJECT START (05/08/2019)</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.		<input type="checkbox"/>	<input type="checkbox"/>	
Scanned soft copy of the duly executed and stamped REPPA Form HP1 or HP2 (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.		<input type="checkbox"/>	<input type="checkbox"/>	
<b>2 REGISTRATION OF REPPA WITH SEDA &amp; ST PUBLIC LICENSE (PROVISIONAL)</b>	<b>05/08/2020</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.		<input type="checkbox"/>	N/A	
Renewable Resource Supply Arrangements : Scanned soft copy of the letter(s) of intent/term sheet from the Government entity that will grant rights to the Applicant to abstract, extract and/or utilise raw water for the operation of the Renewable Energy Installation.		<input type="checkbox"/>	N/A	
<b>3 FINANCING AGREEMENT (S)</b>	<b>05/08/2021</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).		<input type="checkbox"/>	N/A	
Scanned soft copy of the official receipt from the Contractor.		<input type="checkbox"/>	N/A	
<b>4 FIRST PAYMENT TO EPC CONTRACTOR</b>	<b>05/08/2022</b>			
Scanned soft copy of the report / confirmation by DL that the revenue meter has been installed.		<input type="checkbox"/>	N/A	
Scanned soft copy of the complete SEDA T&C Checklist (Checklist must be signed by SEDA's representative for systems > 12kW)		<input type="checkbox"/>	N/A	
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.		<input type="checkbox"/>	<input type="checkbox"/>	
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		<input type="checkbox"/>	N/A	
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.		<input type="checkbox"/>	N/A	
<b>5 INITIAL OPERATION DATE (IOD)</b>	<b>05/08/2023</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)		<input type="checkbox"/>	N/A	
<b>6 FIT COMMENCEMENT DATE</b>	<b>05/08/2024</b>			

# Submit Application



- Once the draft completed 100%, 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 need to check all the application information.

Application Form

Applicant's Name	: XXXXXXXXXXXXXXXXXXXX SDN BHD	Connection Point	: MEDIUM VOLTAGE ( FROM 1KV TO 50KV )
Renewable Resource	: SMALL HYDRO (LOW HEAD)	Connection Type	: DIRECT
Project Status	: NEW PROJECT	Distribution Licensee	: TENAGA NASIONAL BERHAD
Region Location	: SELANGOR DARUL EHSAN	Proposed FIT Rate (RM/kW)	: 0.2700
Installed Capacity (MW)	: 9		
Net Export Capacity (MW)	: 9		
Estimated Scheduled FITCD	: 01/10/2024		
Estimated Submission Date	: 01/10/2019		

# Submit Application



- Applicant need to tick all the declaration item once confirm to submit
- Applicant need to key in the declaration information
- Applicant need to click the “Submit Application” button
- Application status will be changed to “**SMALL HYDRO e-BIDDING: 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 : XXXXXXXXXXXXXXXX \*

MyKad No. / Passport No. : 755555114444 \*

Email : xx@xx.com.my \*

CAPTCHA Verification



[\[Reload image\]](#)  
Please enter the text from the image  
aciu

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



## PAYMENT REQUIRED FOR E-BIDDING SUBMISSION

Thank you for your e-bidding submission in the e-FiT system.

Please take note that the duration for the e-bidding submission shall be from **2nd September 2019 (10:00 AM) until 17th September 2019 (12:00 PM)**.

Kindly remit to us **a processing fee of RM1,000.00, an application fee of RM70,000.00 and a performance deposit of RM126,000.00** being the fees imposed for the e-bidding submission. You are required to upload your proof of payment onto the e-FiT system once payment is made. Without prior notice, SEDA Malaysia reserves the right to disqualify your submission should you failed to remit the prescribed fees before the bid closing date (**17th September 2019**).

If you did not request for this e-bidding submission, please contact SEDA Malaysia at [eFiT@seda.gov.my](mailto:eFiT@seda.gov.my) or 03-8870 5800.

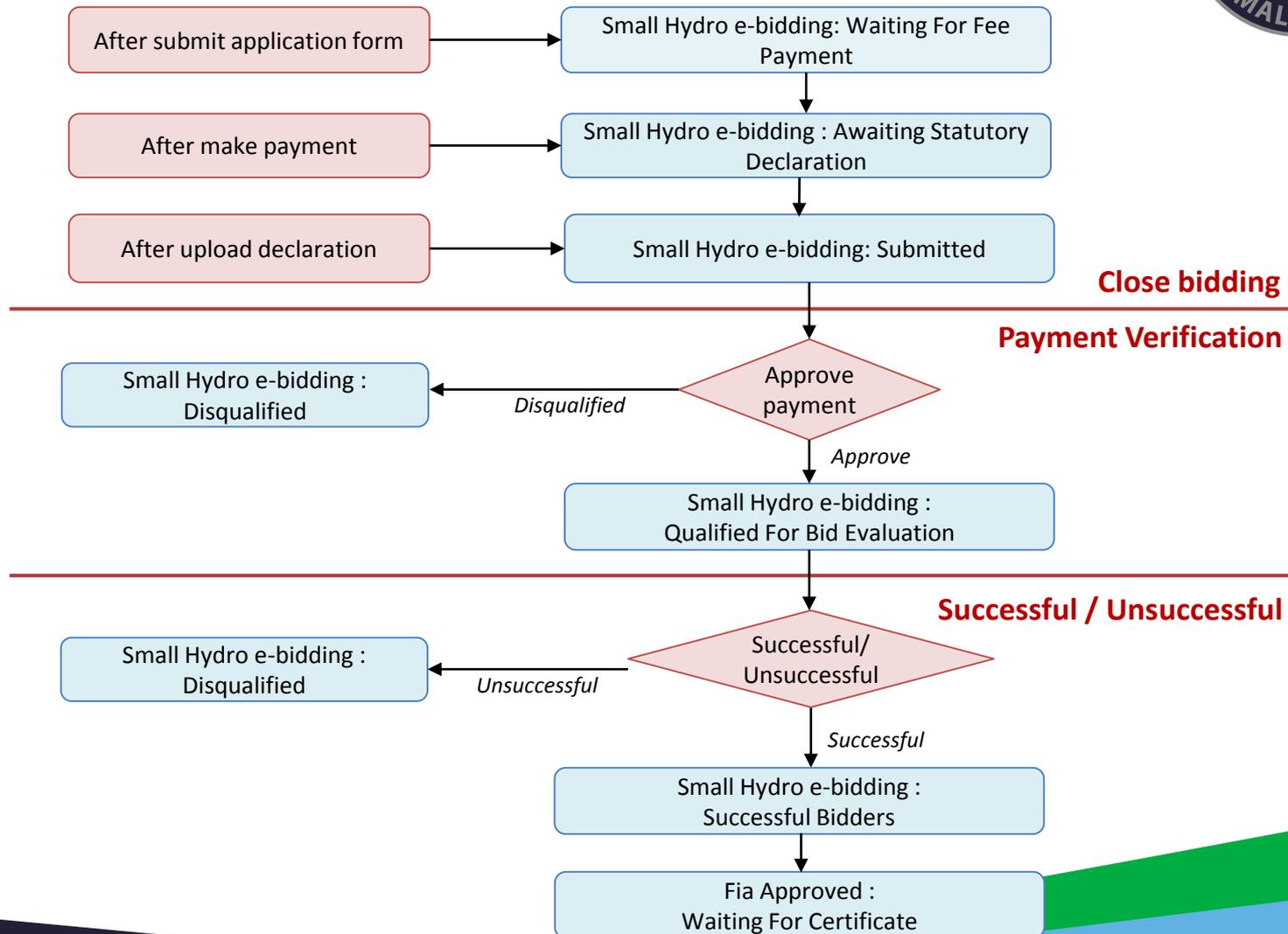
- Offline Payment
- Must Submit the proof of payment/transfer
- Make sure the proof of payment:
  - ✓ Is Clear
  - ✓ In pdf format
  - ✓ Payment transfer must be cleared before the closing date

# Application Status



- After the application submitted, the status will change to “SMALL HYDRO e-BIDDING: WAITING FOR FEE PAYMENT”
- After the proof of payment uploaded, the status will change to “SMALL HYDRO e-BIDDING : AWAITING STATUTORY DECLARATION”
- After the declaration uploaded, the status will change to “SMALL HYDRO e-BIDDING: SUBMITTED”.
- After the closing date, SEDA will verify the payment. If the payment approved, the status will change to “SMALL HYDRO e-BIDDING : QUALIFIED FOR BID EVALUATION”, else the application status will change to “SMALL HYDRO e-BIDDING : DISQUALIFIED”
- For the successful application, the status will change to “SMALL HYDRO e-BIDDING : SUCCESSFUL BIDDERS” and the quota will be allocated. Else the applications status will be changed to “SMALL HYDRO e-BIDDING : UNSUCCESSFUL BIDDERS”.

# Application Status



# THANK YOU

For further enquiries, please contact:

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Galeria PjH, Level 9  
Jalan P4W, Persiaran Perdana,  
Presint 4, 62100 Putrajaya

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 SustainableEnergyDevelopmentAuthority-SEDMalaysia

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