



# **Briefing on e-FiT Online System & new Enhancements**



**18 September 2012**



# SEDA's Official Portal ([www.seda.gov.my](http://www.seda.gov.my))

SEDA Malaysia Policies Feed-in Tariff (FiT) Statistics & Monitoring Download Directory Media Events & Training



## ANNOUNCEMENTS

- ▶ International Climate Protection Scholarship by the Alexander von Humboldt-Foundation 24/08/2011
- ▶ New Distance Learning Program (MBA in Renewable Energy and Energy Efficiency) 01/07/2011
- ▶ Passing of RE & SEDA Bills at Dewan Rakyat on 4th & 5th April 2011 02/04/2011
- ▶ Workshop on Subsidiary Legislation Discussion, 21 Apr 2011 01/03/2011

MORE

## LATEST NEWS

## FIT DASHBOARD

FiT Rates

RE Quota

RE Capacity

RE Generation

**Biogas**

Biomass

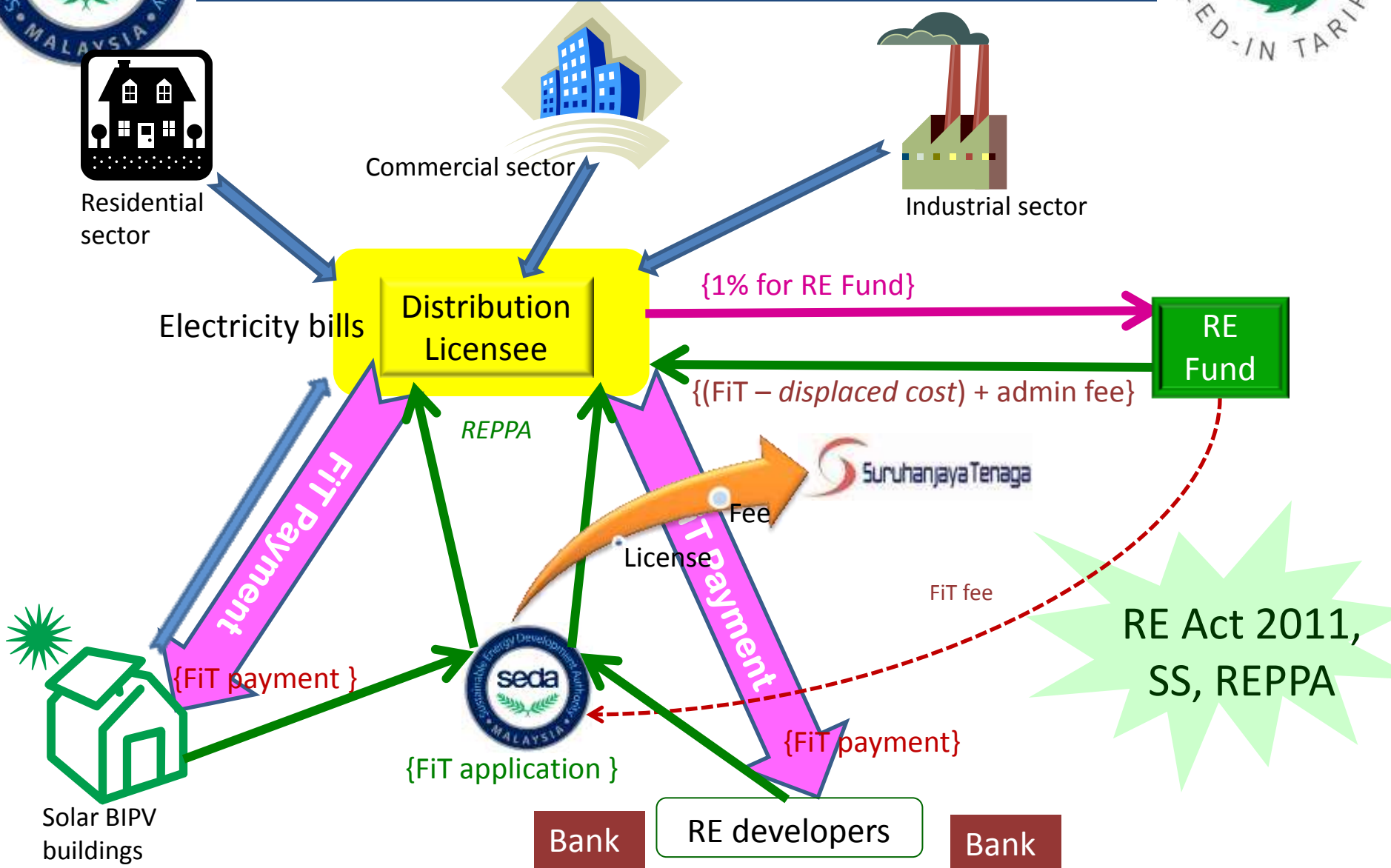
Small Hydro

Solar PV

FiT Rates for Biogas (16 years from FiT Commencement Date)

Description of Qualifying Renewable Energy Installation	FiT Rates (RM per kWh)		
	2011	2012	2013
(a) Basic FiT rates having installed capacity of :			
(i) up to and including 4MW	0.3200	0.3200	0.3184
(ii) above 4MW and up to and including 10MW	0.3000	0.3000	0.2985
(iii) above 10MW and up to and including 30MW	0.2800	0.2800	0.2786
(b) Bonus FiT rates having the following criteria (one or more) :			
(i) use of gas engine technology with electrical efficiency of above 40%	+ 0.0200	+ 0.0200	+ 0.0199
(ii) use of locally manufactured or assembled gas engine	+ 0.0100	+ 0.0100	+ 0.0100

# Malaysia's FiT Mechanism



# RE Resources eligible for FiT



## Biogas

- including landfill gas & sewage



## Biomass

- including solid waste



## Small hydropower



## Solar photovoltaic

REPPA for 16 years

REPPA for 21 years



# Features of e-FiT



# Real time Quota info

**Online  
Quota with  
Real-time  
Quota  
Availability**

# 1<sup>st</sup> come 1<sup>st</sup> served

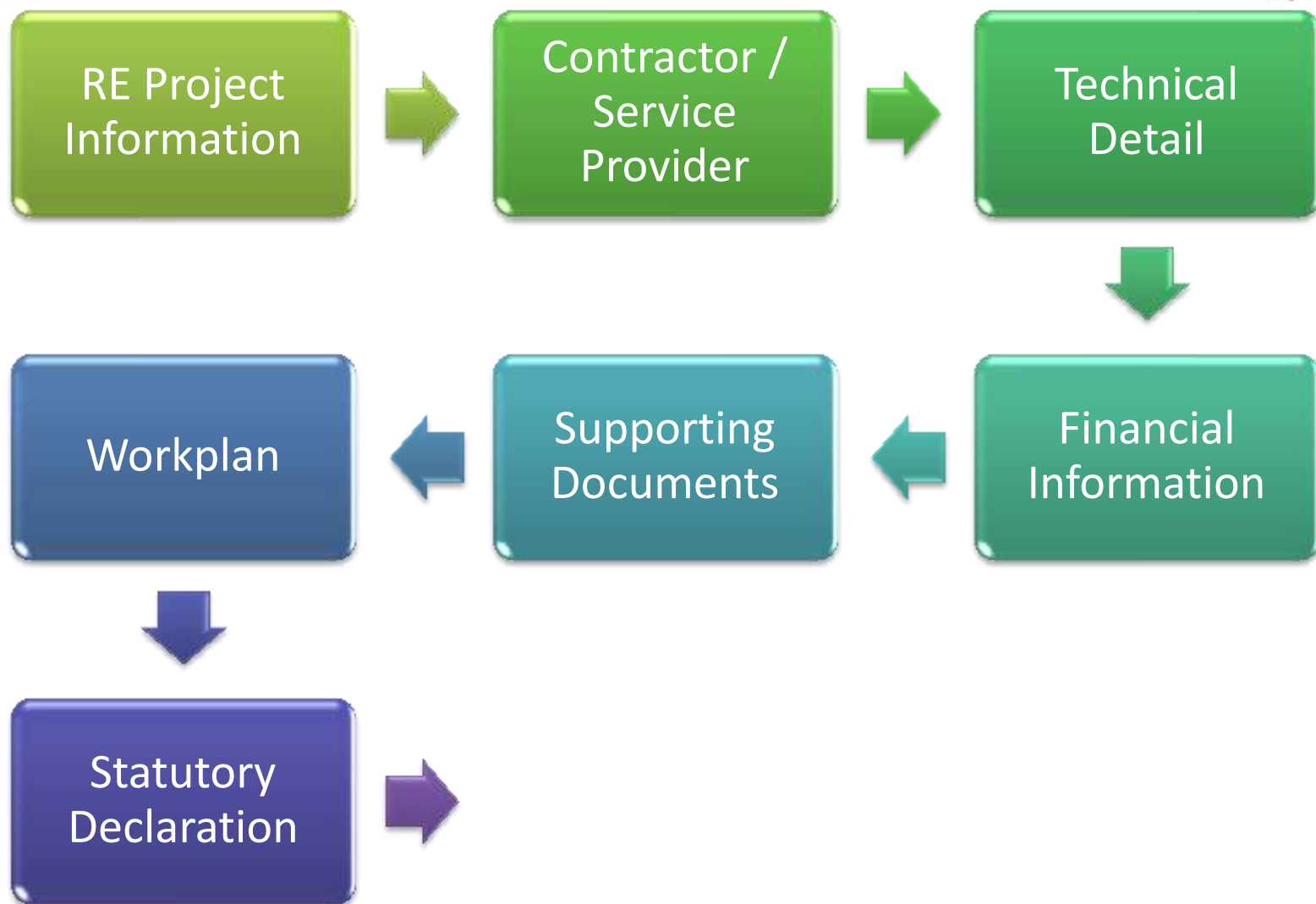
No discrimination based on color, creed, location or political affiliation

No preferential treatment based on family or political connections

No allocation based on the amount a person or State contributes to the RE Fund

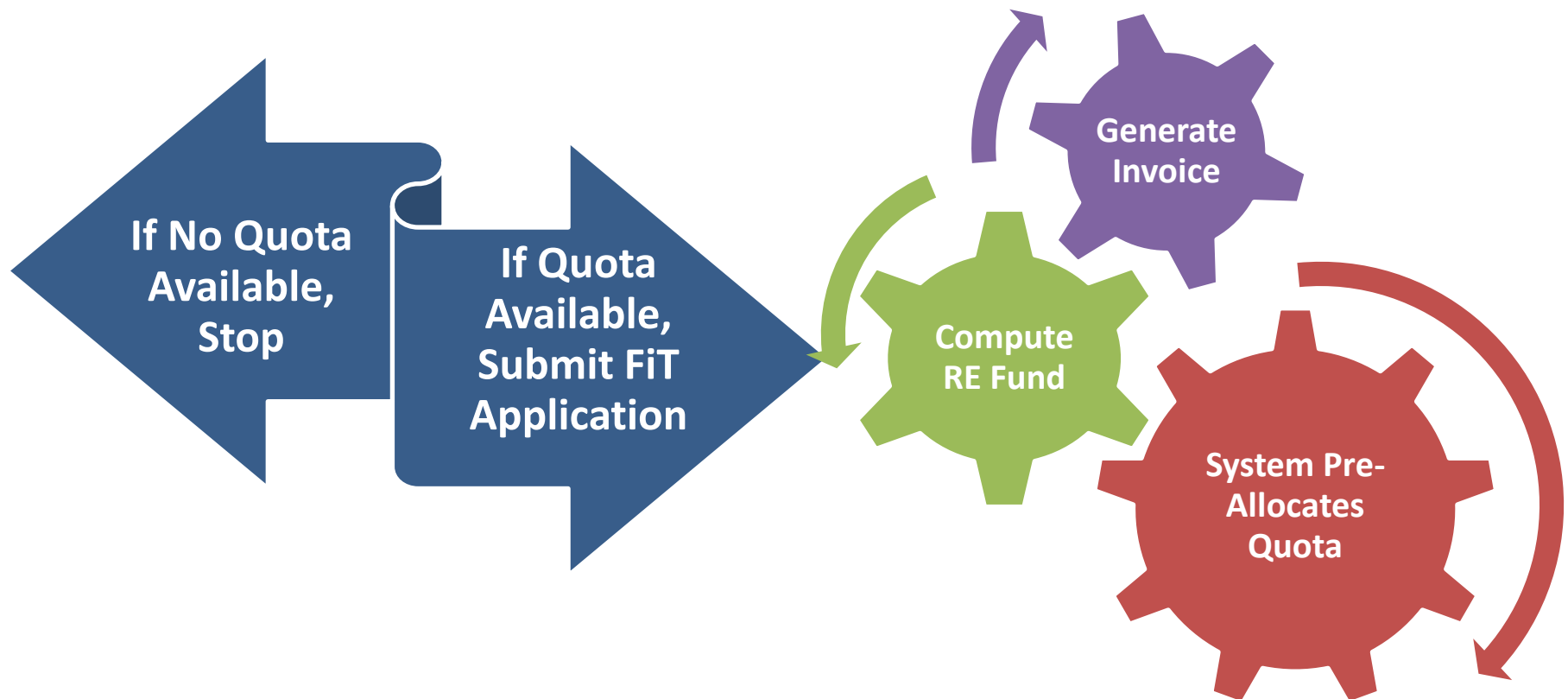
Feed-in Tariff quota allocation is on a first-come-first-served basis.

# FiT Application Detail





# Submit FiT Application



# FiT – if No Quota available

Application Form

100%

100%

100%

100%

100%

100%

Average : 100%

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

	2012		2013		2014		2015	
	H1	H2	H1	H2	H1	H2	H1	H2
Quota Available (MW)	N/A	0	0	0	0	0	0	TBA
FiT Rate (RM / KWh)	N/A	0	0	0	0	0	0	TBA

Application Status

: DRAFT

Applicant's Name

: SEDA

Renewable Resource

: SOLAR PV

Project Status

: NEW PROJECT

Region Location

: W.P. KUALA LUMPUR ★

Total Installed Capacity (MW)

: 0.3 (300kW) ★

Connection Point

: LOW VOLTAGE ( LESS THAN 1KV )

Connection Type

: DIRECT ★

Distribution Licensee

: TENAGA NASIONAL BERHAD ★

NOTE : APPLICANT MUST 'RE-SAVE' ALL ENTRIES WHENEVER CHANGES ARE MADE TO THE APPLICATION TO ENSURE THE SYSTEM CAPTURES ALL UPDATES

WE REGRET TO INFORM YOU THAT A FEED-IN APPROVAL APPLICATION MAY NOT BE MADE AT THE MOMENT AS THERE IS INSUFFICIENT QUOTA FOR THE TYPE OF RENEWABLE RESOURCE OR THE DATE OF THE SCHEDULED COMMERCIAL OPERATION DATE YOU HAVE CHOSEN. PLEASE TRY AGAIN AT A LATER DATE. YOU MAY REFER TO THE QUOTA DISPLAY AT THE DASHBOARD SECTION OF THE E-FIT ONLINE SYSTEM TO CHECK ON THE LATEST STATUS OF THE QUOTA.

PROJECT INFORMATION

CONTRACTOR

TECHNICAL

FINANCING

SUPPORTING DOCS

WORK PLAN

DECLARATION

MILESTONE

ESTIMATED DUE DATE

TOTAL DURATION (FROM SUBMISSION DATE)





# **FiT Verification Process**

**Sign & Upload Statutory Declaration**



**Pay Application Fee**



**Deliver Statutory Declaration**

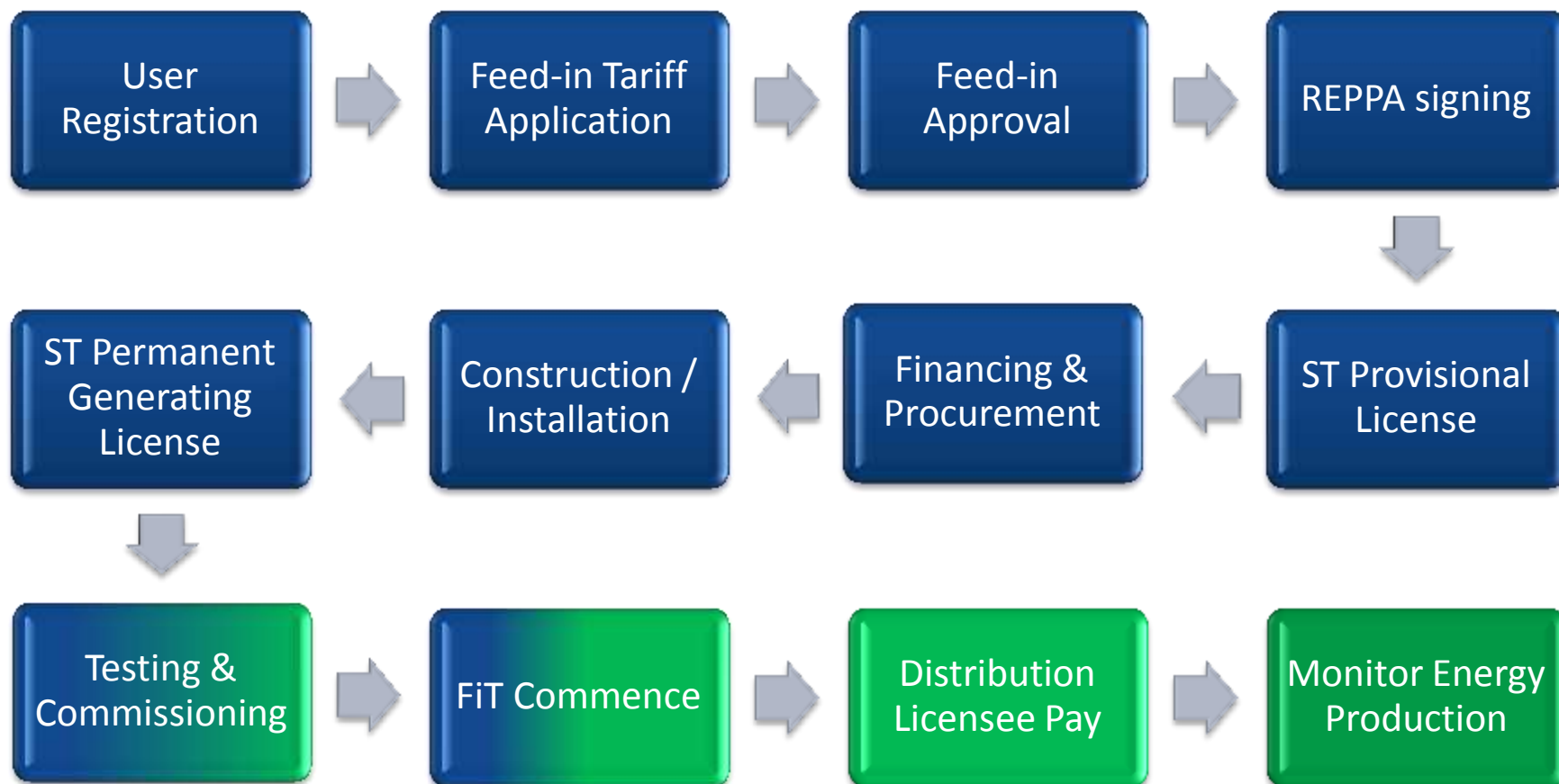


**Verify Application & Query Applicant**



**Refuse or Grant Feed-in Approval**

# FiT Realization Processes



# Project Milestones

## Registration of REPPA with SEDA Malaysia

Softcopy of REPPA signed with Distribution Licensee to be uploaded into system within 4-6 weeks

Scanned soft copy of the duly executed and stamped REPPA Agreement

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



# Project Milestones

## Public License (Provisional) from Suruhanjaya Tenaga

To be applied within 30 days after issuance of FIAH Certificate

Scanned soft copy of the Public License (Provisional) from Suruhanjaya Tenaga

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.

# Project Milestones

## Financing Agreement(s)

To be completed before appointment of EPC contractor

Scanned soft copy of the bank account latest 3 months statements showing a minimum credit balance of 5% of the capital cost. (applicable to company only).

Scanned soft copy of the financing agreement(s) and related documents entered into in respect of the financing or refinancing of the renewable energy installation

# Project Milestones

## 1st Payment to EPC Contractor

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

# Project Milestones

## Initial Operation Date (IOD)

Documents to be uploaded into system within 5 days after IOD occurred

- Scanned soft copy of the report / confirmation by DL that the revenue meter has been installed
- Scanned soft copy of the acceptance test certificate issued by a qualified person
- 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
  - Required to apply 3 Months from ST before Initial Operation Date (IOD)
- 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
  - b) The distribution licensee's written acceptance of the initial operation date proposed by the FiA Holder

# Project Milestones

## FiT Commencement Date

Documents to be uploaded into system within 14 days after FitCD occurred

- Scanned soft copy of the written confirmation from the FiA Holder that the FiT Commencement Date has occurred, accompanied by 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
- Reliability Run of all renewable energy installations connected to a connection point through a medium or high voltage direct connection are seven (7) continuous days as per "Guideline and Determination of the Sustainable Energy Development Authority Malaysia" requirement
- Scanned soft copy of the testing and commissioning report confirming the applicable bonus FiT criteria.(installation in buildings or building structures)
- Scanned soft copy of the written confirmation by a qualified person that such modules and/or inverters (as the case may be) were installed in the renewable energy installation. (solar photovoltaic modules)





# **New Enhancement of e-FiT Online System**

## Registration of RE Developers/Applicants

- Minimal Age for Registration of RE Developer/Applicant
- Supporting documentation of each share-holders of RE Developer
- Request for Change due to typo mistake in Applicant/Company Particulars (excluding MyKAd No/Registration No)
- Limit of 30MW Solar PV accumulative installed capacity per RE Developer/ Applicant



# Enhancements [cont'd]



## Application of Feed-in Tariff

- Unique Parcel Identifier (UPI) of Project site
- Latitude & Longitude (GPS) information of Project site
- Proof of Project Site Ownership Information
- Workplan for all proposed Project Milestones
- References of supporting documents to be uploaded
- Enhanced Email Notification to FiA holders
- Control of Distribution Licensee by State/Locality
- Online Declaration and softcopy to be uploaded within 3 days
- Feed-in Approval Limit per RE Developer/Applicant per day



# Enhancements [cont'd]



Capacity of RE Developer/Applicant to raise equity up to 5% of Project Cost

Request for Change due to typo mistake in Feed-in Approval details (excluding DAA, Installed Capacities & Workplan)

Request for Correction in Applicant's MyKad No/Company Registration No

Introduction of Net Export Capacity of Energy

Improved DAA computation mode based on Net Export Energy



# Enhancements [cont'd]



## Processing of FiA Application

- Online Enquiry on Feed-in Approval application and Project Status
- Sending Notifications and reminders
- Reclassification of solar PV category
  - Individual up to 12kW
  - Non-Individual up to 500kW
  - Non-Individual more than 500 kW
- Net Export Capacity & Type of REPPA on FiAH certificate
- No Multiple Feed-in Approval applications on one project site





# Enhancements [cont'd]



## Management of Feed-in Approval

- Withdrawal of Feed-in Approval submission
- Cancellation of Feed-in Approval
- Refusal and Revocation of Feed-in Approval
- Transfer of Feed-in Approval
  - Individual to Individual
  - Company to Company



# Processing & Application Fees



## Processing Fees for all Feed-in Approval submissions

- RMxx for Individual and RMyy for Non-Individual

## Application Fee of RMxx per kW for all Feed-in Approval submissions

- minimal Application Fee of RMxx

## Processing Fees for Request for Changes

- RMxx for Individual and RMyy for Non-Individual before Approval
- RMxx for Individual and RMyy for Non-Individual after Approval

## Processing Fees for Request for Correction in MyKad/Registration No

- RMxx for Individual and RMyy for Non-Individual

## Processing Fees for Request for Transfer of Feed-in Approval

- RMxx for Individual and RMyy for Non-Individual



# **future Enhancements of e-FiT Online System**



# Thank You



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