



BRIEFING ON NET ENERGY METERING SCHEME FOR NORTHERN REGION

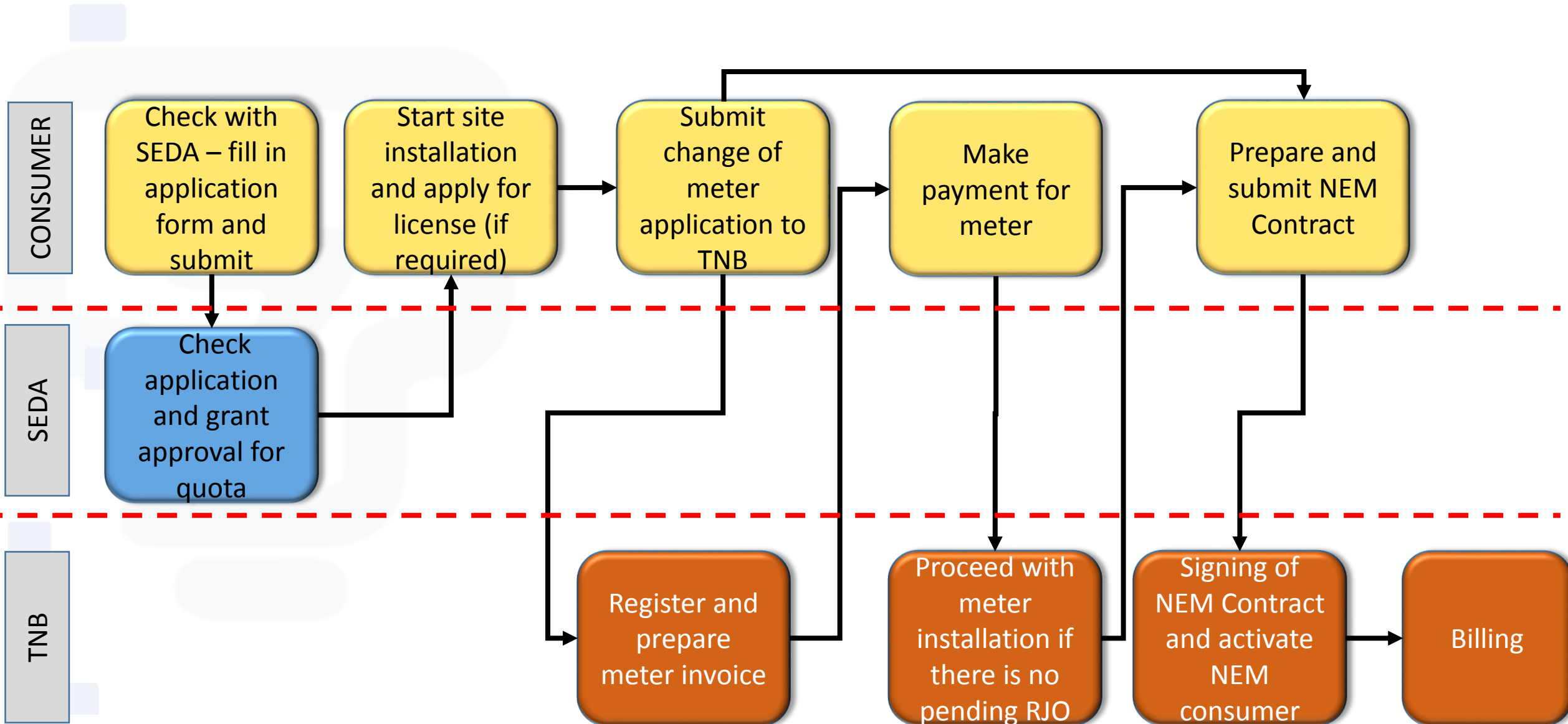
PROCEDURES FOR METER CONVERSION, CONTRACT SIGNING AND
BILLING MECHANISM

18TH APRIL 2017

SUSTAINABLE ENERGY DEVELOPMENT SECTION
CUSTOMER SERVICE DEPARTMENT
DISTRIBUTION DIVISION



NEM OVERALL PROCESS



METER APPLICATION FORM

BORANG PERMOHONAN METER (NEM) Tarikh Terima: _____

BAHAGIAN 1 : MAKLUMAT KONTRAKTOR ELEKTRIK / SERVICE PROVIDER

KONTRAKTOR ELEKTRIK / SERVICE PROVIDER : _____
NO. KAD PENGENALAN / NO. SYARIKAT : _____
ALAMAT KONTRAKTOR ELEKTRIK / SERVICE PROVIDER : _____
NO. FAKS : _____ EMAIL : _____
NO. TEL PEJABAT / BIMBIT : _____

BAHAGIAN 2 : WAKELAH TEGANGAN

PARAS VOLTAN PENYAMBUNGAN : 240V 415V 11kV 33kV
KAPASITI (kW) : _____ Direct Indirect
CADANGAN TARIKH MULA TUGAS : _____

BAHAGIAN 3 : MAKLUMAT PEMOHON NEM

NAMA PEMOHON : _____
NO. KAD PENGENALAN PEMOHON : _____
E-MAIL PEMOHON : _____
NO. SUIL NEM : NO. AKAUN BIL. ELEKTRIK :
NO. SUIL GST : TARIKH KUATKUASA GST :

BAHAGIAN 4 : DOKUMEN YANG PERLU DISUKURKAN OLEH PEMOHON

SENARAI SEMAK :

- Salinan Sijil NEM
- Gambar pemasangan meter sediaada beserta talian serbis
- Gambar cadangan lokasi meter sekiranya terdapat perubahan pada lokasi meter sediaada
- Salinan sijil GST (sekiranya berkaitan)

Saya / Kami dengan ini memberi pengakuan bahawa maklumat yang diberikan adalah benar.

* _____

* Perlu dicop dan ditandatangani oleh Pemohon/ Kontraktor Elektrik/Service Provider

* Sila majukan borang permohonan ini kepada TNB Zon

KEGUNAAN PEJABAT

Dokumen Lengkap

Ya Tidak

Nama Pegawai Penerima

Checklist

- ✓ A copy of NEM certificate
- ✓ Picture of existing meter with TNB service line
- ✓ Proposed new meter location (if different from existing)
- ✓ A copy of GST certificate

NEM Contract



NEM CONTRACT

Signing of the contract must be done after installation of Solar system completed and T&C application submitted to TNB.

ELIGIBILITY

Any domestic consumer who:

- a) Malaysian and foreign national who has entered into the Electricity Supply Contract.
- b) Operating Solar system at the premises

NEM CONTRACT


Clause 2.1.5

“Once NEM contract has been executed, the consumer is deemed to be registered as NEM Consumer under the NEM scheme.”

Required Documents:

- ✓ NEM Application - Declaration Form
- ✓ NEM Certification from SEDA
- ✓ Form G & H
- ✓ GST certificate
- ✓ NEM Contract (Initial on each page)
- ✓ A copy of generation license from ST
- ✓ Picture of each meter reading at NEM meter:
export kW, export kVAR, import kW, import kVAR
(taken one day before or on the day of Contract submission).
Insert date of the meter reading taken

NEM APPLICATION – DECLARATION FORM

 NEM DECLARATION FORM V2

NET ENERGY METERING (NEM) APPLICATION FORM

PART 1: CONSUMER INFORMATION

Name of Consumer : _____
TNB Account Number : _____
GST Number : _____ GST Commencement Date: _____
Installation Address : _____


Contact Number : H/P _____ Home _____
Email : _____
NEM Certificate Number : _____

PART 2: NEM SOLAR PV SYSTEM INFORMATION

Total Generation Capacity : _____ kW
Commissioning Date of NEM Solar PV System : _____ (dd/mm/yyyy)
NEM Solar PV System Comply with the Following Standards : IEEE 1547
: IEC 61727
: MS 1837
: NEM Technical Guideline
Inverter Manufacturer : _____
Inverter rating : _____ kW
Number of Phases : Single Phase Three Phase

PART 3: PROJECT INFORMATION

Total Generation Capacity : _____ kW
Scheduled Commissioning Date of NEM Solar PV System : _____ (dd/mm/yyyy)
Voltage at Point of Connection (before installation) : Red: _____ Volts Yellow: _____ Volts Blue: _____ Volts
Voltage at Point of Connection (after installation) : Red: _____ Volts Yellow: _____ Volts Blue: _____ Volts
Voltage at TNB Meter (if accessible) : Red: _____ Volts Yellow: _____ Volts Blue: _____ Volts
Anti-Islanding Test : Disconnection Time: _____ sec
Reconnection Time: _____ min

 NEM DECLARATION FORM V2

PART 4: COMPETENT PERSON/SERVICE PROVIDER DECLARATION

I declare that:

- I am representing the owner of the premise and the information furnished above is true to my knowledge and belief.
- I confirm that the solar PV system design comply to the standards (IEEE 1547, IEC 61727, MS 1837) and the inverter (s) used are as per approved lists.
- I also verify that the site condition is fit for installation of the solar PV system as per applicable regulations.
- I hereby acknowledge that all information given are true and the relevant Authority shall have the right to take any action if the above information are false.
- I enclose a valid G & H forms to which the NEM solar PV installation is attached or wired for the electricity supply.

Name:
Designation:
IC No:
Competent Person/Service Provider Signature Date:

PART 5: NEM CONSUMER'S DECLARATION

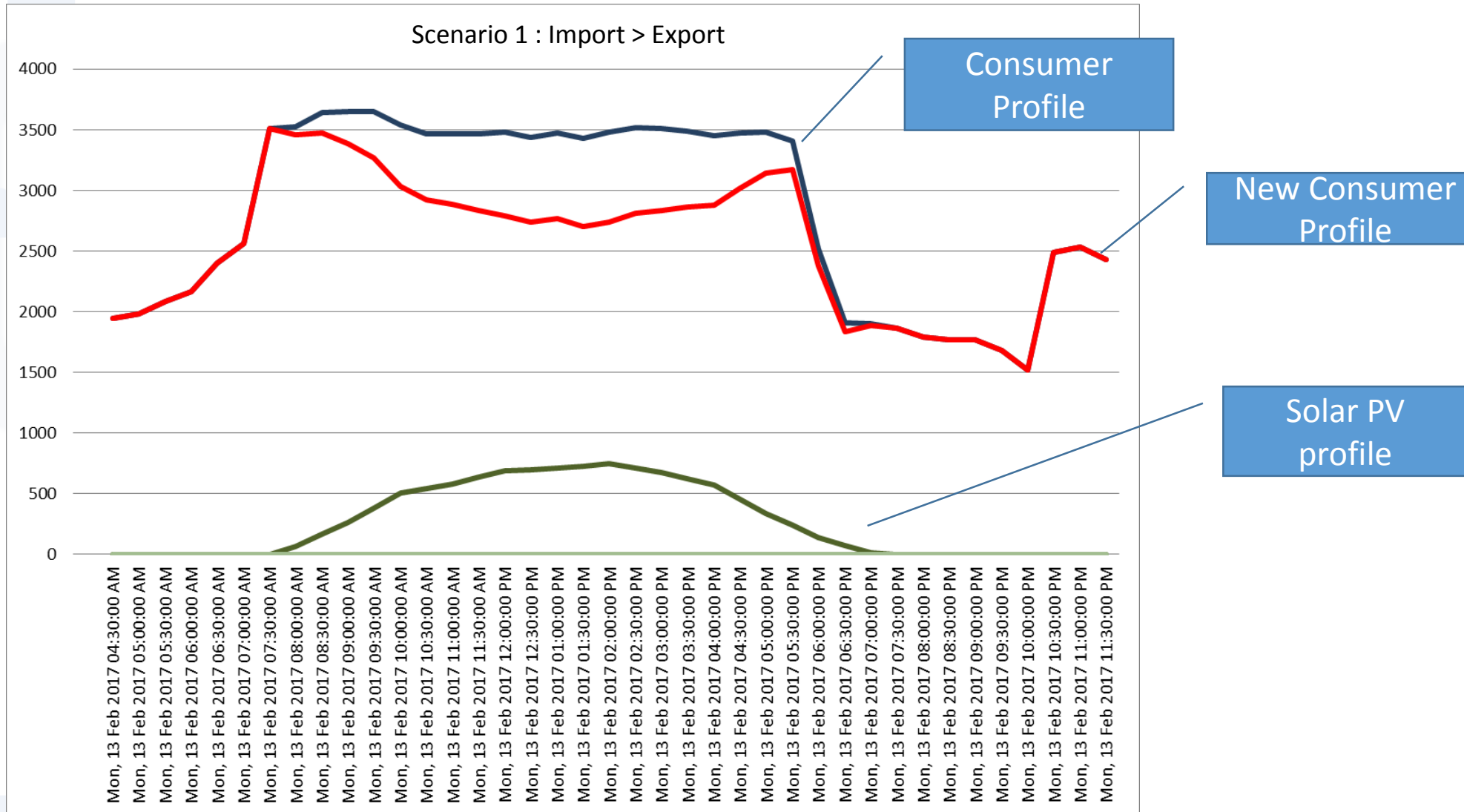
I hereby declare that the information provided in the Form A (SEDA's NEM application form) and this TNB's NEM application form is true to the best of my knowledge and belief. In case any of the above is found to be false, I am aware that TNB has the right to reject/terminate/cancel my application and forfeit my application fees. I further agree to comply with the specifications, terms and conditions stipulated in the applicable guidelines and related regulations by TNB and EC, as amended from time to time. I also confirm that I have read and understood the NEM Contract for the connection of NEM solar PV installation and agree to abide by them.

Name:
NEM Consumer's Signature IC No:
Date:

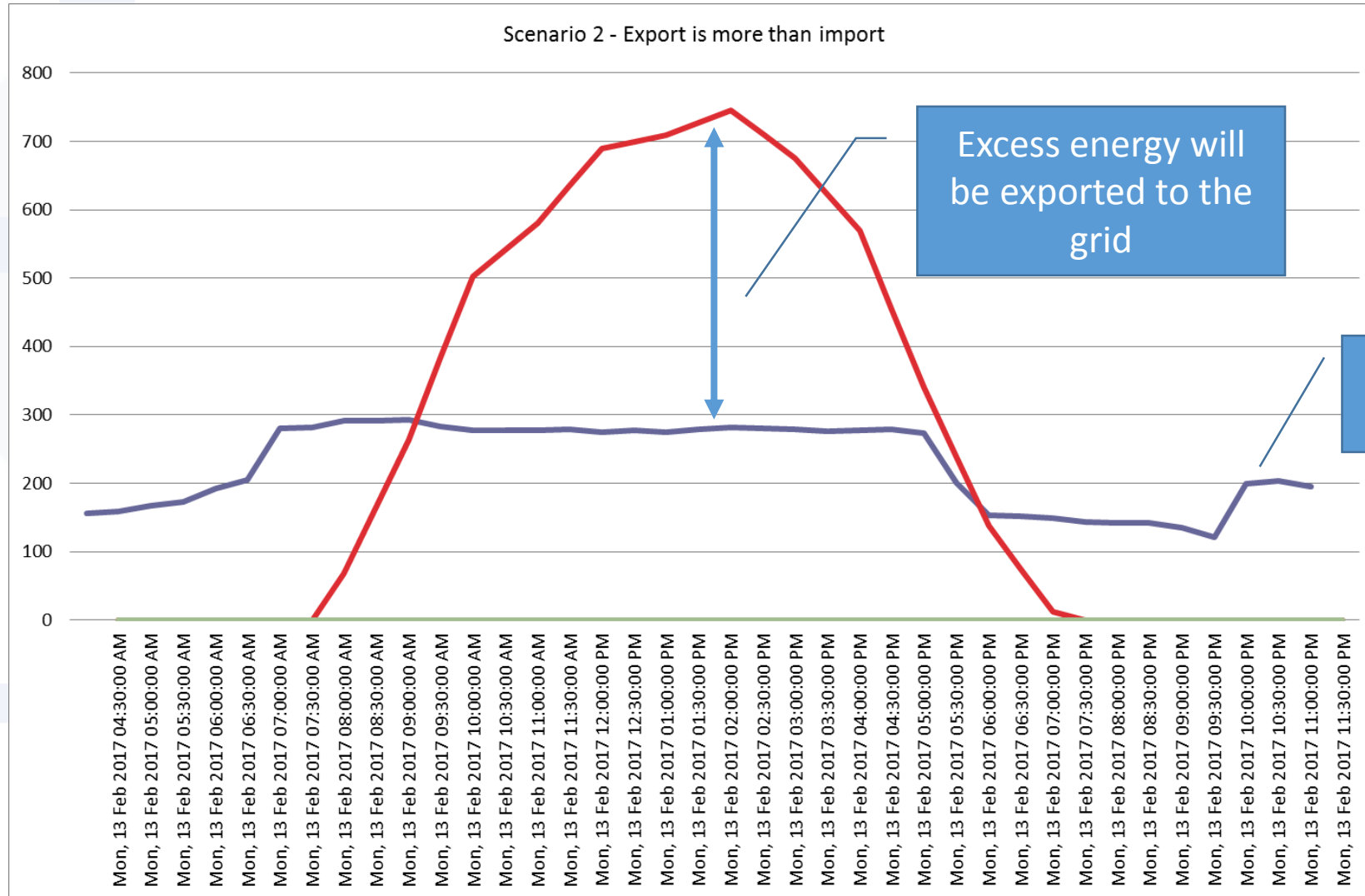
PART 6: FOR OFFICE USE ONLY

Name:
Executive TNB's signature Designation:
Staff No:
Date:

NEM – SCENARIO 1: IMPORT > EXPORT



NEM – SCENARIO 2: IMPORT < EXPORT



NEM – ROLL OVER PERIOD

BILLING CYCLE PERIOD

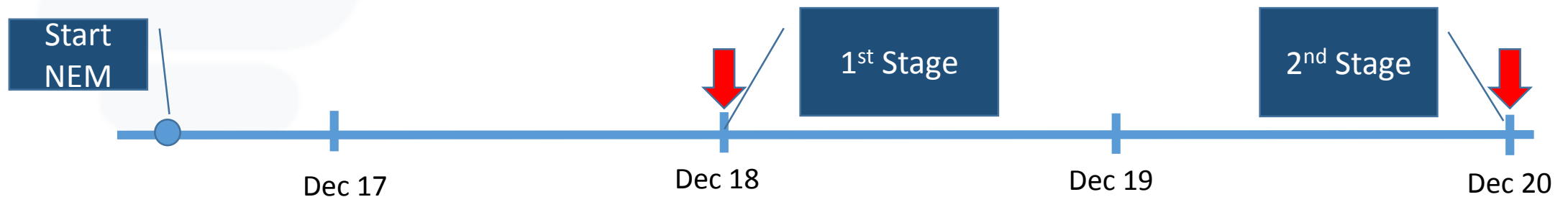
means (i) the period beginning on the commissioning date of the Net Meter and ending on the last day of the following year in which the commissioning date of the Net Meter occurs; and (ii) each twenty-four (24) months' period thereafter during the term of this Contract.

1st stage:

Commissioning and signing of NEM Contract date till December the following year

2nd stage:

24 months beginning January



NEM CONSUMER BILL FOR NON-GST

BIL ELEKTRIK DAN INVOIS CUKAI

No. Akaun : XXXXXXXXXX
No. Kontrak : 131429
Deposit : RM500.00
No. Invois Cukai : 206129820

NEM CUSTOMER : 12, JLN PING PONG, SEKSYEN 20, 40100 SHAH ALAM SELANGOR
No. Sijil NEM : XXXXXXXXXX

TNB Careline
 1 300 88 5454 (Persewaan bil & akaun)
 15454 (Gangguan bekalan)
 tnbcareline@tnb.com.my
 www.tnb.com.my
 www.facebook.com/tnbcareline

Jumlah Perlu Dibayar	RM	-35.55	Tarikh Bil	31.03.2017	BII OPC - NEM
	Amaun		Bayar Sebelum		
Tunggakan	RM	-	30.04.2017		
Caj Semasa	RM	-35.53			
Penggenapan	RM	-0.02			
Jumlah Bil	RM	-35.55			

Bil Terdahulu (28.02.2017) RM 236.95 Bayaran Akhir (20.03.2017) RM 236.95

Jenis Bacaan **Bacaan Sebenar**

Tempoh Bil : 01.03.2017 - 31.03.2016 (31 Hari) Faktor Prorata 1.00000
 Tariff : A - 13 (Domestik)

Blok Tariff (kWh)	Blok Prorata (kWh)	Kadar (RM)	Amaun (RM)
200	200	0.218	43.60
100	100	0.334	33.40
300	300	0.516	154.80
300	74	0.546	40.40
Jumlah	674		272.20

Keterangan	Tidak Kena GST	Kena GST	Jumlah
Kegunaan (kWh Import)	kWh 300	374	674
Kegunaan ICPT (RM0.0152-)	RM 77.00	195.20	272.20
Kegunaan Bulan Semasa	RM -4.56	-8.72	-13.28
6% GST	RM 186.48		11.19
KWTBB (1.6%)	RM		4.36
Jumlah Caj Semasa Import	RM		274.37
kWh Eksport: 1000 @ RM0.31	RM 310.00		310.00
Jumlah Caj Semasa Eksport	RM		310.00
Jumlah Caj Bersih	RM		-35.53

Baki NEM : RM0

No Meter	Faktor Meter	Bacaan Meter		Kegunaan	Unit
		Dahulu	Semasa		
M98044931	1.0000	7593	8267	674	kWh Import
M98044931	1.0000	4500	5500	1000	kWh Eksport

JomPAY Biller Code: 5454
 Ref-1: XXXXXXXXXXXX

NEM CUSTOMER
 12, JLN PING PONG
 SEKSYEN 20
 40100 SHAH ALAM SELANGOR

- 1 Current **Import** Charges
Electricity consumed from TNB
- 2 Current **Export** Charges
Excess of electricity generated from solar PV
Net Charges
- 3 Total amount of current import charges minus current export charges. If the amount is negative, no payment will be made. The amount will be carried forward to the next bill
- 4 NEM Balance
The carried forward amount from previous bill.

NEM CONSUMER BILL FOR GST

Tempoh Bil	: 01.02.2017 - 28.02.2017 (28 Hari)	Faktor Prorata	1.00000
Tariff	: A - 13 (Domestik)		
Blok Tariff (kWh)	Blok Prorata (kWh)	Kadar (RM)	Amaun (RM)
200	200	0.218	43.60
100	100	0.334	33.40
300	300	0.516	154.80
300	274	0.546	149.60
Jumlah	874		381.40

Keterangan	Tidak Kena GST	Kena GST	Jumlah
Kegunaan (kWh Import)	kWh 300	574	874
Kegunaan ICPT (RM0.0152-)	RM 77.00	304.40	381.40
Kegunaan Bulan Semasa	RM -4.56	-8.72	-13.28
6% GST (6% x RM295.68)	RM 72.44	295.68	368.12
KWTBB (1.6%)	RM		17.74
			6.10
Caj Semasa (Import)	RM		391.96

No Meter	Faktor Meter	Bacaan Meter		Kegunaan	Unit	
		Dahulu	Semasa		kWh	Import
M98044931	1.0000	6719	7593	874	kWh	Import
M98044931	1.0000	4000	4500	500	kWh	Eksport

Pelanggan yang dihormati,

Berikut adalah maklumat tentang nilai elektrik yang telah dieksporth ke TNB di sepanjang tempoh **01.02.2017 - 28.02.2017**

Nilai Eksport : 500 kWh @ RM0.31/kWh = RM155.00

Mohon majukan Invois Cukai bagi jumlah **RM155.00**, selepas mengambilkira GST 6%.
 Invois Cukai boleh dihantar ke alamat : Revenue Management , Aras 17 Wisma TNB , No.19 Jalan Timur,
 46200 Petaling Jaya, Selangor

Sila majukan Invois Cukai ini sebelum **dd/mm/yyyy**.

Untuk pertanyaan, sila hubungi:
 TNB Shah Alam
 xxxx
 xxxx
 xxxx
 Tel: 03-xxxxxxx
 Fax - 03-xxxxxxx

Subsidi Bahan Api
 Dibiayai Kerajaan
 Persekutuan RM62.15

GST bagi penggunaan domestik 300kWh dan ke bawah berkadar sifar.

KWTBB - Kumpulan Wang Tenaga Boleh Baharu

ICPT - Imbalance Cost Pass Through / Pelepasan Imbangan Kos Penajaan

Baki NEM : RM0

No changes to the portion where import (consumption) are calculated

We insert an information board, for customers reference and action

EXAMPLE OF NEM CONSUMER BILL

Keterangan	Tidak Kena GST	Kena GST	Jumlah
Kegunaan (kWh Import)	kWh	300	574
Kegunaan ICPT (RM0.0152-)	RM	77.00	381.40
Kegunaan Bulan Semasa	RM	-4.56	-13.28
6% GST (6% x RM295.68)	RM	72.44	368.12
KWTBB (1.6%)	RM		17.74
	RM		6.10
Caj Semasa (Import)	RM		391.96

GST bagi penggunaan domestik 300kWh dan ke bawah berkadar sifar.

KWTBB - Kumpulan Wang Tenaga Boleh Baharu

ICPT - Imbalance Cost Pass Through / Pelepasan Imbangan Kos Penjanaan

Baki NEM : RM0

5. Bagi menyelesaikan isu kaedah pengebilan secara *net-off* JKDM menyarankan agar TNB :

- 5.1 Menggunakan invois cukai semasa.
- 5.2 Menambah perkataan berikut (untuk memaklumkan pengguna NEM berkaitan nilai tenaga yang dibekalkan kepada TNB) :

Pembekalan oleh pengguna NEM bagi tempoh XXXX
kWh : XXXX @ RM0.238

- 5.3 Pengguna NEM (yang berdaftar GST) akan mengeluarkan invois cukai kepada TNB dalam tempoh 21 hari dari tarikh bil TNB.

No Meter	Faktor Meter	Bacaan Meter		Kegunaan	Unit	
		Dahulu	Semasa		Import	Eksport
M98044931	1.0000	6719	7593	874	kWh	Import
M98044931	1.0000	4000	4500	500	kWh	Eksport

Nama Pelanggan dan Alamat

No Serial Invois Cukai

Butir-butir perkhidmatan/pembekalan

Perkataan INVOIS CUKAI

Tarikh Invois Cukai dikeluarkan

Jumlah tidak termasuk cukai

Jumlah dikenakan GST

Jumlah termasuk GST

Pelanggan yang dihormati,
Berikut adalah maklumat tentang nilai elektrik yang telah dieksport ke TNB di sepanjang tempoh **01.02.2017 - 28.02.2017**

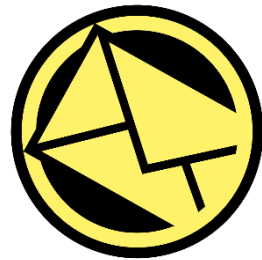
Nilai Eksport : 500 kWh @ RM0.31/kWh = RM155.00

Mohon majukan Invois Cukai bagi jumlah **RM155.00**, selepas mengambil kira GST 6%.
Invois Cukai boleh dihantar ke alamat : Revenue Management, Aras 17 Wisma TNB, No.19 Jalan Timur, 46200 Petaling Jaya, Selangor
Sila majukan Invois Cukai ini sebelum **dd/mm/yyyy**.



Nama FIAH, Alamat dan No Pendaftaran GST TECHNO GENERATORS SDN BHD Lot 21-3, KLCC, Kuala Lumpur GST NO : 000123456789		TAX INVOICE		
To : TENAGA NASIONAL BERHAD Pengurus Besar (Pembangunan Tenaga Lestari) Jabatan Perkhidmatan Pengguna Bahagian Pembahagian, TNB Aras 16, Wisma TNB, No 19 Jalan Timur. 46200 Petaling Jaya Selangor		No. Akaun TNB : 0123 00456789 Invoice No : ABCD1234 Date : 14 March 2016 Billing Period : 1 - 29 Feb 2016 (29 days)		
No	Descriptions	Unit (kWh)	Rate (RM/kWh)	Amount (RM)
	Sales of electricity Reading from 1 - 29 Feb 2016 (29 days)	505,067	0.3184	160,813.33
	Current reading 29,073,164			
	(-) Previous reading 28,568,097			
	505,067			
Please make payment to RHB Bank Berhad 21160-3456-97643 <i>Lamin Day S.H</i> For TECHNO GENERATORS SDN BHD		Total without GST add GST (6%) Total		160,813.33 9,648.80 170,462.13

Thank You



RE@tnb.com.my