



PREPARED FOR:
MS PUAN SRI HARIZ,
20 JALAN ANGSA U9/45A
SEKSYEN U9
SHAH ALAM, 40150
SELANGOR

norziha@tnb.com.my
0192617934

Date :

SOLAR ENERGY FOR A BETTER **TOMORROW**

SOLAR PROPOSAL WITH NEM 3.0
SYSTEM SIZE: 4.5KWP

YOUR TRUSTED **GREEN** ENERGY SOLUTION PROVIDER



A subsidiary of Tenaga Nasional Berhad

www.gsparx.com

**MS
PUAN SRI HARIZ,**

**20 JALAN ANGSA U9/45A SEKSYEN U9
SHAH ALAM
40150 SELANGOR**

Dear MS PUAN SRI HARIZ,

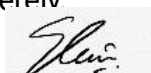
Your house is unique and has a special place in your heart, and we shall treat it accordingly. At GSPARX SDN BHD we pride ourselves on creating custom solar energy solutions that fit the specific needs of you and your home.

The conventional cost of energy from TNB grids keeps going up, and the importance of maintaining a healthy environment grows every day. Installing a solar energy system is a cost-effective, sustainable, and simple way to reduce your environmental footprint and your energy budget. We know you care about mother nature as much as we do. Solar energy is non-polluting and renewable. And the source? Free! Over 25 years, your new system will offset your carbon footprint and save acres of trees.

GSPARX SDN BHD is wholly owned subsidiary of Tenaga Nasional Berhad (TNB) which focuses in the investment of Solar PV for self consumption in Malaysia. We offer various options to suit to customers' preference and situation. This proposal contains everything you need to know about the solar solution that's right for you, including facts and figures supporting the expected outcome a solar energy system will have on your overall costs, and projecting when your new system will "pay for itself" in energy savings.

We are confident that with our qualifications and as a subsidiary of Tenaga Nasional Berhad with more than 70 years of experience in the energy business, we will meet your needs and expectation. We look forward to be working with you to make your house working for you more efficiently.

Sincerely,



**Elmie Fairul Mashuri
for GSPARX SDN BHD**

GSPARX SOLAR PACKAGE FOR RAKYAT

SAVE BILLS WITH SOLAR!

Enjoy tremendous reduction on your TNB bill with GSPARX Solar Package!

SAVE UP TO **90%** OF YOUR ELECTRICITY BILL WITH US TODAY!

TNB Bill (RM)	Suggested Solar PV Size (kWp)	Energy from Solar PV (kWh)	Potential Saving (RM)	Your New TNB Bill (RM)
170 - 230	4.5	473	168 - 203	2 - 27
240 - 310	5.5	578	239 - 281	1 - 29
320 - 440	7.0	735	319 - 389	1 - 51
450 - 570	9.5	998	448 - 520	2 - 50
580 - 700	11.5	1208	577 - 648	3 - 52

YOUR GREEN INVESTMENT

Size, kWp (DC)	4.5	5.5	7.0	9.5	11.5
Published Price (RM)	21,199	26,799	32,399	41,199	48,599

ENHANCED WARRANTY

- ☒ Inverter **10 YEARS**
- ☒ Free maintenance **2 YEARS**
- ☒ Mounting structure **10 YEARS**
- ☒ Solar Panels **12 YEARS**
- ☒ Performance **25 YEARS**
- ☒ Workmanship **1 YEAR**

Notes:

1. Single phase max 4kWac (~4.5kWp)
2. Three phase max 10kWac (~11.5kWp)
3. Saving calculation is based on 3.5 peak sun hour

Effective Date: May 2022

SOLAR INSURANCE INCLUDED

Contact Us Now!

☎ 1300 80 7828 ✉ enquiry@gsparx.com

🌐 gsparx.my

www.gsparx.com | www.tnb.com.my/solar

Operating hours: Mon - Fri (9am - 5pm) except public holiday

Tell me how?



Scan to register

GSPARX
Evolve • Sustain • Value

A subsidiary of Tenaga Nasional Berhad

*T&C Applies

For further details about our residential solar package, please **scan this QR code** or you also can [click on this link](#) and select the folder "GSPARX Residential Solar Package".



PROPOSAL SUMMARY

This proposal provides an outline and costs for installing a Solar PV system for your house at ~~20 JALAN ANGSA U9/45A SEKSYEN U9 SHAH ALAM 40150 Selangor~~



System Size	Estimated annual energy production	Solar PV panels	Inverter(s)
4.5kWp with 4kWac inverter	5,749kWh	Trina Solar (4.5kWp)	Sungrow SG4.0RS 1 unit

STANDARD PACKAGE INCLUDES:

- Supply, Installation, Testing and Commissioning of a standard Grid Connected Solar PV system.
- BNEF Tier 1 Solar PV Modules.
- Highly efficient and reliable Inverter from leading inverter technology.
- All necessary mounting structures and accessories suitable for your roof.
- Standard solar installation for roof tiles & metal deck only. Separate charges for ballast mounting structure.
- DC (4mm2), AC (4mm2) & Ground (10mm2) Cables and Protective Devices. Grounding system to use existing grounding.
- Cable Routing - Standard PVC External trunking (20mm x 9mm), does not include painting job for trunking and hacking.
- Online monitoring.
- 1 year coverage for solar insurance worth RM 24,000.
- 2 years maintenance service.
- NEM Application, Assessment & Metering.

WARRANTY:

- Solar PV Module: 12 years product warranty and 25 years linear power output performance warranty.
- Solar Inverter: 10 years solar inverter product warranty. Extended warranty is available upon request (not part of this package).
- Mounting System: 10 years standard warranty against corrosion.
- 1 year Workmanship Warranty.

YOUR GREEN INVESTMENT

**4.5kWp All with 4kWac inverter
All in Solar PV System Price**

RM21,199

All prices inclusive of Taxes and Duties

Validity	: 30 days. May be extended upon request.
Payment Term	: RM 400.00 upon confirmation, balance to be paid in full before installation date.
Cancellation & Refund Policy	: Full refund of RM 400 if installation is not technically feasible. No refund for cancellation where installation is technically feasible.
Delivery term	: At site.

INVESTMENT ANALYSIS

This section provides you the essential financial and environmental analyses by going solar



Your Return On Investment (ROI)

- The analysis above shows how much you can save on your electricity bill by going solar.
- For year 1 to 10, with NEM 3.0, you can sell excess solar energy to TNB at 1:1 offset
- For year 11 onwards, only self consumption is allowed, i.e. NEM is no longer available. However, we can offer you a battery storage solution with a hybrid inverter. It is also likely that other schemes will be introduced by the Government to replace NEM
- Detailed investment analysis is shown in the next page.

You're playing a big role in protecting the environment!

Here's how your solar generation can help protect the earth and create a safer place for our kids



Disclaimer:

GSPARX Sdn. Bhd. does not warrant and guarantee the adequacy, accuracy and reliability of the expected savings and energy production, that is stated in this savings and investment analysis. The details stated in this analysis is merely an estimation of potential expected savings and energy production, and it is based on several assumptions which affect the outcome of the calculations. Actual savings and PV system energy production shall vary according to several factors, including but not limited to, the bill amount, final design, site conditions, applicable electricity tariff, prevailing rebates or incentive by the Government and others. Accordingly, GSPARX Sdn. Bhd. does not accept responsibility and liability for any inaccuracy or error or any inaction or action taken in reliance on the information and details contained in this analysis.

DETAILED INVESTMENT ANALYSIS

We use these parameters to calculate your savings	System size	kWp	4.5
	GSPARX offer	RM	21,199
	Mid point tariff rate	RM/kWh	0.516
	Peak Sun Hour	Hour	3.5
	Tariff hike assumption every 3 years	Percentage	9%
	Expected battery cost year 11	RM	8,480
	Expected hybrid inverter cost year 11	RM	2,597
This is the potential return on your Green Investment	Potential first year saving	RM	2,966
	Potential 10 years saving	RM	32,144
	Potential 25 years saving	RM	64,035
	Payback period	Years	6.16
	Average ROI (10 Years)	Percentage	12.64%

Analysis for Year 1-10

With NEM 1:1 offset

Year	System Performance	Solar Energy Generated	TNB's Base Tariff	Avoidance Cost	Net Saving / Year	Accumulated Net Saving	Yearly Simple ROI
	%	kWh	RM/kWh	RM	RM	RM	%
0					(21,199)	-	
1	100.00%	5,749	0.516	2,966	2,966	(18,233)	13.99%
2	99.45%	5,717	0.516	2,950	2,950	(15,283)	13.92%
3	98.90%	5,686	0.516	2,934	2,934	(12,349)	13.84%
4	98.35%	5,654	0.562	3,177	3,177	(9,171)	14.99%
5	97.80%	5,622	0.562	3,160	3,160	(6,012)	14.91%
6	97.25%	5,591	0.562	3,142	3,142	(2,870)	14.82%
7	96.70%	5,559	0.613	3,408	3,408	538	16.07%
8	96.15%	5,527	0.613	3,388	3,388	3,926	15.98%
9	95.60%	5,496	0.613	3,369	3,369	7,295	15.89%
10	95.05%	5,464	0.668	3,650	3,650	10,945	17.22%

Analysis for Year 11-25

No NEM, self consumption but assume additional investment in battery storage & hybrid inverter

Year	System Performance	Solar Energy Generated	TNB's Base Tariff	Avoidance Cost	Net Saving / Year	Accumulated Net Saving	ROI
	%	kWh	RM/kWh	RM	RM	RM	%
11	94.50%	5,433	0.668	3,629	(7,448)	3,497	-23.08%
12	93.95%	5,401	0.668	3,608	3,608	7,105	11.18%
13	93.40%	5,369	0.728	3,909	3,909	11,014	12.11%
14	92.85%	5,338	0.728	3,886	3,886	14,900	12.04%
15	92.30%	5,306	0.728	3,863	3,863	18,763	11.97%
16	91.75%	5,274	0.794	4,188	4,188	22,951	12.98%
17	91.20%	5,243	0.794	4,163	4,163	27,114	12.90%
18	90.65%	5,211	0.794	4,138	4,138	31,251	12.82%
19	90.10%	5,180	0.865	4,480	4,480	35,732	13.88%
20	89.55%	5,148	0.865	4,453	4,453	40,185	13.80%
21	89.00%	5,116	0.865	4,426	4,426	44,610	13.71%
22	88.45%	5,085	0.943	4,795	4,795	49,405	14.86%
23	87.90%	5,053	0.943	4,765	4,765	54,170	14.76%
24	87.35%	5,022	0.943	4,735	4,735	58,906	14.67%
25	86.80%	4,990	1.028	5,129	5,129	64,035	15.89%
		134,233		96,311	64,035		

PAYMENT OPTIONS

Flexible Payment Options



Cash purchase

- ✓ All payment shall be made payable to *GSPARX Sdn. Bhd.* only
- ✓ Cash or cheque deposits can be made to our bank account:
Maybank Acc No: 564258589546
Account Name : GSPARX SDN. BHD.
- ✓ Kindly email us the proof of transaction for our record. Official receipts and invoice will be issued to Purchaser upon verification



Credit Card

- ✓ Enjoy zero interest credit card instalment for 12, 24 or 36 with Maybank credit card.
- ✓ One-off swipe for other banks



Personal Financing

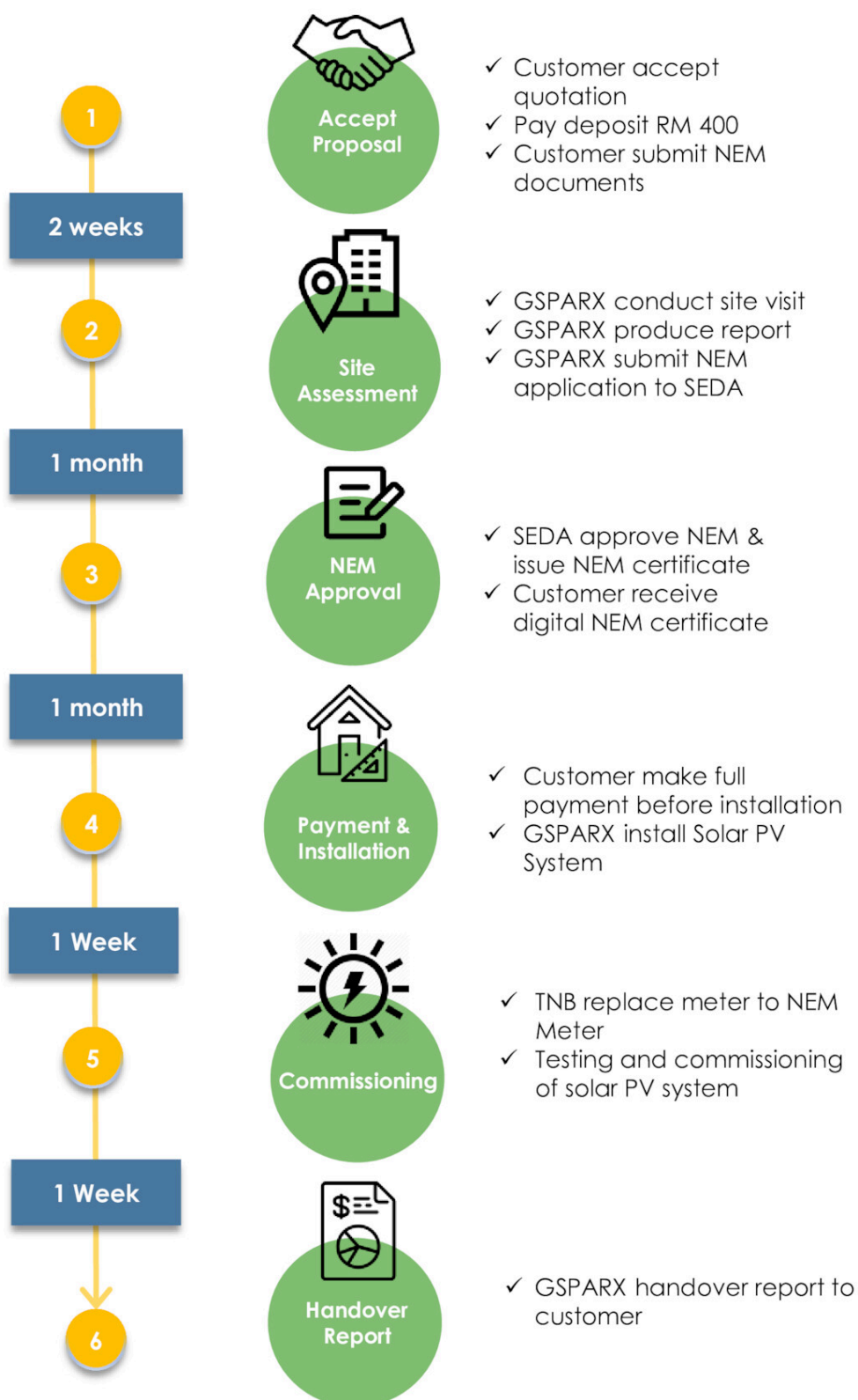
- ✓ Choose any of your preferred bank to apply for personal financing
- ✓ Special arrangement for Bank Islam financing

register at <https://ezxcess.bankislam.com.my/eForm/eformv2.aspx>

and choose "Personal financing-i (GSPARX SOLAR)"

SOLAR MADE EASY!

Enjoying solar energy has never been this easy.
Here are the process leading to your own green energy generation.



Typical expected timeline: 2 -3 months (May be longer due to unforeseen circumstances such as lockdown)

MAINTENANCE PROGRAM

Your package includes 2 year free maintenance. In general, these are the scope of work covered during the maintenance service:

Daily Online Performance Monitoring



- You can monitor your solar PV production and performance on a real-time basis on your mobile and on the web. You can also monitor and download the historical data.

Yearly Preventive (Scheduled) Maintenance



Maintenance Description	Frequency
Combiner Box	
Visual inspection of the enclosures and internal parts, such as breakages, ground debris, unusual smell, rusting	Annually
Visual inspection of cable terminals and fuses; verify DC disconnect operations	Annually
Inverters	
Inverter visual inspection for cleanliness, display and functionality	Annually
Inverter enclosures/building inspection	Annually
Others (Not included in the package)	
Cleaning of Photovoltaic modules	Based on module performance



Corrective Services

- GSPARX technicians are ready to provide any corrective services for faults experienced by customer as and when needed.



Reports, Meetings, and Inspections

- GSPARX technicians are also ready to provide the necessary reports of system performance, meet with the customer for any follow ups, and arrange inspections as and when needed by the customer.



1 year coverage for Plan 01 Solar Insurance is inclusive in the standard package.

SuriaShield

Introducing **SuriaShield**, the residential solar PV insurance that gives you comprehensive 360° protection, hassle-free repair & restoration as well as income/savings protection at very affordable premiums.

Find peace-of-mind without worrying about your solar PV system with SuriaShield for homes.



Exclusively by



Underwritten by



Allianz General Insurance Company
(Malaysia) Berhad 200601015674 (735426-V)

Benefits

SuriaShield offers residential solar PV owners a choice of plans based on their needs. Affordable, with a low annual premium from **RM200 only**, get your PV system insured **up to RM84,000** and income / savings protection benefit of **up to RM7,500**.



SuriaShield's ready panel of certified and experienced Service Providers



FIT Income Protection
NEM Savings Protection



Protection from
Power Surge



Comprehensive All-Risk
Protection



Coverage for Rats
Damaging Cables

	Sum Insured	Loss of Income / Savings Benefit (150 days)	Annual Premium (RM)
PLAN 01	24,000	3,250 (650 / month)	200.00
PLAN 02	36,000	4,000 (800 / month)	250.00
PLAN 03	48,000	4,500 (900 / month)	300.00
PLAN 04	60,000	5,000 (1,000 / month)	380.00
PLAN 05	72,000	6,500 (1,300 / month)	450.00
PLAN 06	84,000	7,500 (1,500 / month)	510.00

*Please note that the premium amounts above exclude service tax and stamp duty payable

WHAT'S NEXT?

Once you are happy with our solar proposal and would like to proceed, here are the details and supporting document we need:

CUSTOMER checklist

For NEM application process

1. One copy of electricity bills addressed to you for the last 3 months respectively. ☐
2. One copy of applicant's IC (front & back side) ☐
3. One copy of IC of alternate contact person (front & back side) ☐
4. One copy of proof of your property ownership* i.e. S&P or Land Title ☐
5. For more information on NEM applications, kindly download and read the document from the link:
<https://bit.ly/3rGcRtT>

**kindly note that the name on SPA/Land Title must match the name on TNB Bill. If they don't match, usually you will need to apply for Change of Tenancy (COT) process to TNB online or walk-in into Kedai Tenaga.*

Please provide your details as listed below:

Applicant details

1. Name
2. IC or Passport No
3. Mobile no
4. House Address
5. Email

Alternate contact person details

1. Name
2. IC or Passport No
3. Relationship
4. Mobile no
5. Email

Payment of RM400 upon confirmation

Maybank 564258589546

GSPARX Sdn Bhd

CUSTOMER ACCEPTANCE

1. Please read the quotation to make sure you understand all the details involved with us working together. It's really important to us that everything is transparent and understood from the beginning so that we lay a solid foundation for a great working relationship.
2. If you have any questions at all, please let us know. We're happy to clarify any points and there may be some items that we can sort out together. We're committed to finding the best way to work together.
3. Once you feel confident about everything and are ready to move forward, ~~please click the 'sign here' button below. Sign in the box that pops up to make the acceptance official.~~
4. Once we receive notification of your acceptance, we'll contact you shortly to sort out next steps and get the project rolling.
5. If you'd like to speak to us by phone, please call our sales personnel or toll free no 1 300 80 7828.



I confirm the acceptance of the above proposal and hereby award the project to GSPARX Sdn. Bhd.

 SIGNATURE
PUAN SRI HARIZ



Customer's Signature: _____

Date: _____

PUAN SRI HARIZ

20 JALAN ANGSA U9/45A SEKSYEN U9

40150 Selangor

Malaysia

Mobile no: 0192617934

This proposal/quotation is issued by GSPARX Sdn. Bhd. ("GSPARX"), in relation to the MS PUAN SRI HARIZ request for Solar PV system solution. This proposal/quotation, including the contents, ideas and concepts contained therein ("Proposal") is confidential and proprietary to GSPARX and must be used solely for the purpose of considering the appointment of GSPARX for the provision of services described in this Proposal. All intellectual property rights in or associated with this Proposal remain vested in GSPARX or such third party as identified by GSPARX. The information and details included in this Proposal is based on the assumption and expectation that GSPARX is given the opportunity to review and mutually agree on the specific services to be provided to the Customer. This Proposal is an initial response only and GSPARX does not warrant the accuracy or completeness of it, all information contained therein is subject to completion of GSPARX's internal review process to help determine the most commercially appropriate provision of services.

COMPLETED PROJECTS

RESIDENTIAL

