

**SolarFlare**

Office 33<sup>rd</sup> Eagle Mall, Bahria Town Lahore  
Office 33 Eagle Mall, Bahria Town Lahore  
Landline: 0423-2084131

Mobile No: 03214022522 / 03218557557  
Mobile No: 03214022522 / 03218557557

Technical Proposal

## Technical Proposal



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Sir,  
Thank you for giving SolarFlare the opportunity to promote clean energy and a safer environment for our future generation. It's a noble thing to care for nature and offset the adverse effects on our environment by our carbon emissions. It's a noble thing to care for nature and offset the adverse effects on our environment by

The cost of electricity from NEPRA is rising every day, and the importance of maintaining a healthy environment grows every day. Installing a solar energy system is a cost-effective, green, and clean way to reduce your environmental footprint. This comes with an added advantage of decreasing or even eliminating the cost of electricity from NEPRA is rising every day and the importance of maintaining a healthy your monthly energy expenditure.

SolarFlare promotes solar energy as it is inexpensive, simple, clean, eco-friendly, and the smartest choice of environment grows every day installing a solar energy system is a cost effective green and clean way. Your rooftop will be harnessing the energy of the abundant nature's gift to man – Sun. Solar energy is non-polluting and renewable. The average life of a solar system installed by SolarFlare will be 25 years, reduce your environmental footprint This comes with an added advantage of decreasing or even eliminating your new system will offset your carbon footprint by more than 25 tonnes of carbon dioxide which is equal to planting 45 Acres of trees. We want to save electricity bills and manage your energy resources so you always have the highest availability of energy at the lowest possible cost.

SolarFlare promotes solar energy as it is inexpensive, simple, clean, eco-friendly, and the smartest choice of the solar system installed at your premises. In the event of any technical problem, SolarFlare can monitor your systems remotely and diagnose the problem and send a member of our technical team to help you fix any issue you can face with your solar energy system. Your rooftop will be harnessing the energy of the abundant nature's gift to man Sun Solar energy

We hope to help you get more energy independence by providing a good investment for the coming non polluting and renewable The average life of a solar system installed by SolarFlare will be year

- . 25  
Thanks & Regards  
our new system will offset your carbon footprint by more than tonnes of carbon dioxide which SolarFlare Team is equa

25  
to planting Acres of trees We want to save electricity bills and manage your energy resources so yo  
45 .  
ways have the highest availability of energy at the lowest possible cost

Our Integrated Monitoring System for the inverters will be available to you for monitoring and

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System Details	
System Watts	Approximately {SystemKiloWatts} Kilo Watts
System Watts	Approximately {SystemKiloWatts} Kilo Watts
Panels Tier-1 Panels	Longi/Jinko/JA/Trina– 25 Years Workmanship Warranty
hamza {hamzaName}	Tier-1 Panels Longi/Jinko/JA/Trina– 25 Years Workmanship Warranty
{StructureName}	
Structure	{ InverterName}
Roof Angle {SystemAngle}	
Structure {StructureName}	
System Type {SystemType}	
Meter Phase: 3-Phase	Meter Required   Sanctioned Load > {SystemKiloWatts/1.5} Required
Roof Angle	{SystemAngle}
System Type	{SystemType}
Technical Details	
Meter Phase:	3-Phase Meter Required   Sanctioned Load > {SystemKiloWatts/1.5} Required

Technical Details



Landline: 0423-2084131	Units Generation
Month Units Generation	
January January	{JanuaryUnits}
{JanuaryUnits} February	{FebruaryUnits}
February March	{MarchUnits}
{FebruaryUnits} April	{AprilUnits}
March May	{MayUnits}
{MarchUnits} June	{JuneUnits}
April July	{JulyUnits}
{AprilUnits} August	{AugustUnits}
May September	{SeptemberUnits}
{MayUnits} October	{OctoberUnits}
June November	{NovemberUnits}
{JuneUnits} December	{DecemberUnits}

### July Electricity Units Generation per Month – Estimated with Optimal Conditions

{JulyUnits}

The proposed system will produce the following energy according to SolarFlare estimates based on optimal conditions.

August {AugustUnits}

September {SeptemberUnits}

October {OctoberUnits}	{SumOfMonthlyUnits} Units
November {NovemberUnits}	
Annual Production {SumOfMonthlyUnits}	
December {DecemberUnits}	{SumOfMonthlyUnits /12} Units
Average Monthly {AverageMonthlyUnits}	
Yearly Savings {YearlySavings}	Rs. {SumOfMonthlyUnits*50}
NOTE: This calculation uses optimal conditions for the solar generations and the price of electricity is calculated to be 50 Rs/kWh.	

### Electricity Units Generation per Month – Estimated with Optimal Conditions

The proposed system will produce the following energy according to SolarFlare estimates based on optimal conditions.

Energy Details

Annual Production {SumOfMonthlyUnits} Units

Average Monthly {SumOfMonthlyUnits /12} Units

## Equipment Details

Yearly Savings Rs. {SumOfMonthlyUnits\*50}

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Item	Description
Solar Panels	{SolarPanelsQuantity} x {SolarPanelName}
Inverter	{InverterQuantity} x {InverterName}
Hamza	{HamzaQuantity} x {HamzaName}
DC Breakers	{DcBreakersQuantity} x DC Breakers [CLBE/CNC/Tomzn/Suntree/Schneider/ABB]
DC SPDs	{DcSpdQuantity} x DC SPDs [CLBE/CNC/Tomzn/Suntree/Schneider/ABB]
AC SPDs	{AcSpdQuantity} x AC SPD [Tomzn/Suntree/Schneider/ABB]
AC Breakers	{AcBreakerQuantity} x AC Breaker [Tomzn/Suntree/Schneider/ABB]
MC4 Connectors	MC4 Connectors Imported
Internal DB Box	Internal DB Box of High Quality
External DB Box	External DB Box with Canopy
Lightning Arrestor	Lightning Arrestor
DC Cable	DC Cable For Installation – [LAPP Germany, Fast, Pakistan Cables]
AC Cable	AC Cable For Installation – Minimum 6mm/16mm/25mm [Fast Cables]
UPVC Pipes	UPVC Pipes, Lugs, Channels, Conduits, Ducts – Only Top Quality All All
Pure Copper Equipment	Pure Copper Equipment for Ground Bores
Structure	Structure {StructureQuantity} x {StructureName}
Batteries	Batteries {BatteryQuantity} x {BatteryName}
System Design	System Design and Simulations
Structure Installation	Structure Installation Electrical

rd

3 Party Quality Inspection

Misc.

Transportation of Equipment

AC and DC NEPRA Approvable Bores

Labour Charges

## SolarFlare VS. Other Installers

SolarFlare VS. Other Installers		
Item	SolarFlare	Other Installers
Item	SolarFlare	Other Installers

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Landline: 0423-2084131	Poly/Mono – Tier 1 – 400+ Watts
Monocrystalline PERC Technology—Tier 1 Panels – Jinko/Longi/JA/Trina-25 Years International Warranty 580 Watts	
Solar Panels Poly/Mono – Tier 1 – 400+ Watts	All Inverters
Only Tier 1 hamzas —5 Years Warranty	Lot Purchased and Counterfeit Products. Some use original.
Equipment Inverter All hamzas	1ft Lightning Arrestor of lesser purity.
Imported and Genuine Equipment. No Lot Purchased Or Copy	GI Structure no Gauge Warranty.
3ft Pure Copper Lightning Arrestor	No Civil Work.
Imported and Genuine Equipment. No Lot Purchased Or Copy	Reluctance to install Aluminum Structure.
Aluminum Alloy Structure	
GI Structure 14 Gauge With Civil Work	
3ft Pure Copper Lightning Arrestor 1ft Lightning Arrestor of lesser purity.	
GI Structure no Gauge Warranty	
No Civil Work.	
Aluminum Alloy Structure	
Structure	
Reluctance to install Aluminum Structure.	
GI Structure 14 Gauge With Civil Work	
DC Dual PVC or XLPE Low Smoke >= 4mm	
Earthing	
Genuine Cables Only	
4mm Genuine DC Cables	
German LAPP/Fast/Nafees DC Cable for Net Metering	
Cables 4mm AC Cables	
Solar System Connection Installation	
6mm AC Cable for Earthing	
Genuine DC >= 6mm For Earthing	
Fast Cables AC >= 6mm	
Values	
Two Bores with NEPRA Approvable Depth	
One Bore of 15ft Depth	
Bores both for AC and DC	
Earthing 16mm Copper Wire	

Pure Copper Rope Wire

Copper Strip

Pure Copper Strip

Net Metering Application Complete Process.

## Payment Details

Net Metering Only	Net-Metering Process
Professional Installation	
System Price	Rs. {TotalSystemCost+Margin}
Absolutely no Compromise on Quality	

Neat, Symmetrical, and Tidy

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Landline: 0423-2084131	Rs. {TotalSystemCost}
Initial Payment Rs. {TotalSystemCost}	
After Installation Rs. {Margin}	Rs. {Margin}
System Price contains ALL expense related to Solar System Installation and Net- Metering. System Price contains ALL expense related to Solar System Installation and Net- Metering.	

ayment Plan:

he payment plan of the complete system is as follows:

dvance Payment – ~90% - After confirmation of the Client Installation.

### **Payment Plan:**

After Installation – ~10% - After complete installation and commissioning of the system.

### **Terms and Conditions**

The payment plan of the complete system is as follows:

- Quotation is valid for 3 days only.

- Net-Metering is LESCO and NEPRA dependent, normal installation time for bi- directional

Advance Payment – ~90% - After confirmation of the Client Installation.

energy meter is 2-3 working months.

After Installation – ~10% - After complete installation and commissioning of the system.

- We will try our best to expedite the Net-Metering process from each and every resource available.

- All charges mentioned are inclusive of all taxes.

## **Terms and Conditions**

- **Quotation is valid for 3 days only.**
- Net-Metering is LESCO and NEPRA dependent, normal installation time for bi- directional energy meter is 2-3 working months.
- We will try our best to expedite the Net-Metering process from each and every resource available.
- All charges mentioned are inclusive of all taxes.

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• Complete System Design and Simulation reports will be shared after confirmation and initial payment from client.

• This offer is subject to standard force majeure conditions.

• Delivery and installation time is 14 Working Days after initial payment.

• Delivery and installation time is 14 Working Days after initial payment.

• The cable wire prices may vary depending on AC/DC Wiring Length.

• Our scope of work does not include load balancing and inter meter connections.

• Sanctioned Load Increase is at customer's end.

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