

SOLAR SUPPLIES & SERVICES PVT. LTD.

Corporate Capability Profile

SECTION 01

THE POWER OF PROGRESS

Brand Story, Corporate Identity & Market Positioning

1. Cover Page

Solar Supplies and Services Private Limited
Powering Pakistan's Progress with Reliable Solar Energy Solutions

EPC Contractor | Turnkey Solar Energy Solutions | Energy Infrastructure Partner

Solar Supplies and Services Pvt. Ltd. is a renewable energy engineering company committed to delivering reliable, scalable, and cost-effective solar power solutions across Pakistan.

PEC C2/4647 | AEDB CR/25/279/C-1

Corporate Profile 2025 / 2026

2. Pakistan's Energy Transformation

Pakistan's industrial and commercial sectors are facing one of the most critical challenges of modern growth: reliable and affordable energy.

Rising electricity costs, grid pressure, and increasing operational expenses have made energy efficiency a strategic priority for businesses, institutions, and public-sector organizations. In this changing environment, solar energy is no longer only an alternative power source — it has become a practical infrastructure investment.

Solar power enables industries, commercial facilities, municipal bodies, agricultural businesses, and residential communities to reduce energy costs, improve operational reliability, and move toward long-term sustainability.

As Pakistan accelerates its transition toward cleaner and more efficient energy systems, companies with engineering capability, financial access, and project delivery experience will play a decisive role in shaping the country's renewable energy future.

Solar Supplies and Services Pvt. Ltd. stands at this intersection of energy need, engineering execution, and sustainable progress.

3. Director's Message

At Solar Supplies and Services, we believe that energy is not only a utility — it is the foundation of progress, productivity, and national development.

Pakistan's energy landscape is changing rapidly. Businesses, industries, institutions, and communities are actively seeking reliable alternatives to conventional energy sources. Solar power has emerged as one of the most practical and impactful solutions for reducing energy costs, improving operational independence, and supporting a cleaner environment.

Our vision has always been to build a company that delivers more than solar installations. We aim to deliver dependable energy infrastructure through strong engineering, quality execution, trusted partnerships, and long-term support.

Over the years, Solar Supplies and Services has developed a growing portfolio across commercial, industrial, government, municipal, defense, cold storage, and residential sectors. Our work reflects our commitment to technical integrity, timely delivery, and responsible project execution.

We are also proud to support our clients through strong financial partnerships, enabling more organizations to adopt solar energy with confidence and flexibility.

As we move forward, our focus remains clear: to contribute to Pakistan's renewable energy future by delivering safe, reliable, and high-performance solar solutions that create lasting value for our clients and the communities we serve.

M. Shabbir Haider
Director
Solar Supplies and Services Pvt. Ltd.

4. Company Overview

Solar Supplies and Services Pvt. Ltd. is a Pakistan-based solar energy engineering and EPC company providing turnkey renewable energy solutions for industrial, commercial, government, municipal, agricultural, defense, cold storage, and residential sectors.

The company operates as an end-to-end energy infrastructure partner, offering complete services from consultation, feasibility, engineering, procurement, construction, installation, testing, commissioning, net metering, and long-term operations and maintenance.

SSS is positioned as a solar EPC contractor and project developer with the capability to execute projects across diverse sectors and regions. The company is registered with PEC under C2/4647 and AEDB under CR/25/279/C-1, and its existing profile highlights its work as an Energy & Construction Project Developer and Contractor.

The company has served notable clients including Pakistan Air Force, government-linked projects, industrial clients, and commercial organizations. Its existing profile also highlights partnerships with financial institutions such as Bank Al Habib, Meezan Bank, Bank Alfalah, NBP, PKIC, POIC, Orix, and others for leasing, LC, bank guarantee, and running finance facilities.

With a portfolio crossing PKR 2 billion and project capacity reaching 21.833 MW, Solar Supplies and Services continues to strengthen its position as a reliable solar energy partner for Pakistan's growing energy needs.

5. SSS at a Glance

Company Name

Solar Supplies and Services Private Limited

Business Category

Solar EPC Contractor | Energy Solutions Provider | Project Developer

Head Office

Building # 18, Block K, Johar Town, Lahore, Pakistan

Established

2022

Project Portfolio

21.833 MW delivered / under execution

Portfolio Value

PKR 2 Billion+

Core Markets

Industrial | Commercial | Government | Municipal | Agriculture | Defense | Cold Storage | Residential

Geographic Presence

Punjab | Sindh | KPK | Balochistan | AJK

Key Registrations

PEC C2/4647

AEDB CR/25/279/C-1

SECP Registered Company

Technology Partnerships

LONGi Solar | Jinko Solar | Huasun

Financial Partnerships

Bank Al Habib | Meezan Bank | Bank Alfalah | NBP | PKIC | POIC | Orix

6. Vision, Mission & Philosophy

Vision

To become the first-choice solar EPC company in the region by delivering reliable, scalable, and sustainable renewable energy solutions.

Mission

To deliver high-quality solar energy projects through engineering excellence, reliable execution, trusted partnerships, and long-term client value.

Philosophy

To ensure the safe, reliable, and sustainable delivery of renewable energy solutions that help clients reduce energy costs, improve operational efficiency, and contribute to a cleaner future.

Corporate Goals

To execute successful solar energy projects with technical integrity, timely delivery, and measurable long-term performance.

To support Pakistan's transition toward clean energy by serving industrial, commercial, government, municipal, agricultural, and residential sectors.

To strengthen client confidence through quality workmanship, financial flexibility, and dependable after-sales support.

7. Core Values

Engineering Excellence

We believe every successful solar project begins with strong engineering. Our focus is to design and execute systems that are technically sound, efficient, and built for long-term performance.

Reliability

We understand that energy systems must perform consistently. Our work is driven by dependable execution, quality materials, and long-term operational value.

Safety & Compliance

We follow responsible project practices, regulatory requirements, and safety standards to protect people, assets, and infrastructure.

Sustainability

We are committed to supporting clean energy adoption and reducing dependence on conventional energy sources through practical renewable solutions.

Transparency

We believe in clear communication, ethical business conduct, and accountable project delivery from start to finish.

Customer Commitment

We work closely with every client to understand their technical, financial, and operational requirements, ensuring solutions that match real-world needs.

Innovation

We continuously adopt better technologies, smarter systems, and improved execution methods to deliver stronger energy outcomes.

Accountability

We take ownership of our commitments and remain focused on delivering projects with responsibility, discipline, and measurable results.

8. Our Journey

2022 — Company Formation

Solar Supplies and Services Pvt. Ltd. was formally incorporated and began its journey as a renewable energy solutions company focused on solar project development, equipment supply, and EPC execution.

2023 — Commercial & Industrial Growth

The company expanded its project execution across commercial, industrial, cold storage, and private-sector installations, strengthening its reputation for practical solar solutions.

2024 — Wider Sector Expansion

SSS continued to grow across municipal, industrial, cold storage, government-linked, and commercial projects, increasing its operational footprint across Pakistan.

2025 — Portfolio Milestone

By June 2025, the company's project portfolio reached 21.833 MW with a total project value of approximately PKR 1.98 billion, reflecting growing execution capability across multiple sectors.

Future Direction

SSS is focused on expanding into hybrid systems, battery energy storage, smart monitoring, utility-scale solar, and financially enabled renewable energy projects.

9. Business Footprint

Solar Supplies and Services has developed a strong execution presence across Pakistan, serving clients in industrial, commercial, government, municipal, defense, cold storage, agricultural, and residential sectors.

The company's operations and project reach include:

Punjab

Industrial, commercial, municipal, cold storage, residential, and government-linked solar projects.

Sindh

Industrial and commercial project opportunities with growing renewable energy demand.

KPK

Energy solutions for commercial, institutional, and regional infrastructure requirements.

Balochistan

Solar potential for remote, industrial, agricultural, and public-sector applications.

AJK

Renewable energy opportunities for institutional, community, and regional development projects.

Through its nationwide presence, technical teams, financial partnerships, and Tier-1 manufacturer authorizations, SSS is positioned to support Pakistan's clean energy transition with reliable project execution and long-term service capability.

SECTION 02

COMPLETE ENERGY SOLUTIONS

Business Ecosystem & Service Capabilities

10. Business Ecosystem

Solar Supplies and Services Pvt. Ltd. operates as a complete renewable energy solutions provider, offering a connected ecosystem of engineering, procurement, construction, consulting, supply, financing, and long-term support services.

Our business model is designed to simplify the solar adoption process for clients by providing a single-window solution from concept to commissioning and beyond.

Instead of treating each project as a standalone installation, we approach every assignment as a complete energy infrastructure solution. This allows our clients to benefit from technical expertise, quality products, financial guidance, regulatory support, and ongoing performance management under one trusted partner.

Our Core Business Pillars

Solar EPC Solutions

End-to-end engineering, procurement, and construction services for solar power projects.

Project Development

Feasibility, planning, design coordination, execution strategy, and project structuring.

Engineering Consultancy

Technical advisory, system sizing, layout planning, energy analysis, and project optimization.

Equipment Supply

Supply of high-quality solar panels, inverters, mounting structures, batteries, BOS components, and monitoring systems.

Operation & Maintenance

Long-term system monitoring, preventive maintenance, performance inspections, cleaning, fault detection, and optimization.

Financing & Leasing Support

Support for project financing, leasing solutions, bank coordination, LC facilities, bank guarantees, and running finance.

Through this integrated ecosystem, SSS helps clients reduce energy costs, improve system reliability, manage investment challenges, and achieve long-term energy independence.

11. Industries We Serve

Solar Supplies and Services provides renewable energy solutions for a wide range of sectors across Pakistan. Our experience covers high-demand industries, public infrastructure, commercial facilities, agricultural operations, and residential communities.

Each sector has different energy needs, load patterns, financial priorities, and operational challenges. SSS designs solar solutions according to each client's technical, commercial, and long-term performance requirements.

Industrial Manufacturing

We support manufacturing units with high-capacity solar systems designed to reduce energy costs, improve operational stability, and support continuous production.

Textile Sector

Textile operations require consistent and cost-efficient energy. Our solar solutions help reduce dependence on conventional power and improve long-term cost control.

Food Processing

Food processing facilities depend on stable electricity for machinery, refrigeration, storage, and production. SSS provides solar systems that support energy efficiency and operational reliability.

Cold Storage

Cold storage facilities face high electricity consumption due to refrigeration loads. Our solar solutions help reduce operational costs while supporting energy reliability.

Commercial Buildings

We serve offices, plazas, showrooms, warehouses, corporate buildings, and commercial facilities with rooftop and ground-mounted solar systems.

Government & Public Sector

SSS supports government buildings, public infrastructure, municipal facilities, water works, disposal stations, and community-focused energy projects.

Defense Sector

We have experience serving defense-linked energy projects, where reliability, quality, and execution discipline are essential.

Agriculture

Solar energy supports farms, irrigation systems, agricultural storage, and rural operations by reducing dependence on costly grid or fuel-based power.

Residential Communities

We provide customized solar solutions for homes, housing societies, mosques, and community buildings.

12. Engineering, Procurement & Construction

EPC Services

At the core of SSS is our EPC capability. We provide complete engineering, procurement, and construction services for solar power projects of different scales and sectors.

Our EPC model is built around technical accuracy, reliable execution, quality procurement, site safety, and long-term system performance.

From the first site visit to final commissioning, our teams manage each stage with clear responsibility and structured project control.

EPC Scope Includes

Site Survey & Load Assessment

Our team evaluates site conditions, available installation area, electrical load, energy consumption patterns, and project feasibility.

Feasibility Analysis

We assess technical viability, expected generation, system size, investment requirement, savings potential, and return on investment.

Engineering Design

We prepare system layouts, electrical designs, mounting structure planning, inverter selection, string design, and safety considerations.

Procurement

We source solar modules, inverters, mounting systems, cables, protection equipment, panels, and other BOS components from reliable suppliers and authorized technology partners.

Civil, Electrical & Mechanical Works

Our execution teams carry out installation, structure erection, wiring, earthing, equipment mounting, cable management, and system integration.

Testing & Commissioning

Before handover, the system is tested for safety, performance, connectivity, protection, and generation output.

Documentation & Handover

Clients receive proper project documentation, system details, technical records, and operational guidance.

After-Sales Support

We continue to support clients through monitoring, maintenance, technical assistance, and performance improvement.

13. Commercial & Industrial Solar Solutions

Commercial and industrial energy users face increasing pressure from rising electricity costs, grid instability, and growing sustainability requirements. For these sectors, solar energy is not only an environmental choice — it is a strategic business investment.

SSS designs and executes commercial and industrial solar systems that help businesses reduce energy expenses, improve operational resilience, and achieve long-term financial savings.

Applications

- Factories
- Manufacturing Plants
- Textile Units
- Warehouses
- Processing Facilities
- Corporate Buildings
- Commercial Plazas

- Showrooms
- Industrial Estates

Key Benefits

Reduced Energy Cost

Solar power helps lower monthly electricity expenses and reduces exposure to increasing tariffs.

Improved Energy Security

A properly designed solar system supports stable energy availability and reduces dependence on conventional grid supply.

Better Return on Investment

Solar systems provide measurable savings over time, making them a strong long-term investment for businesses.

Operational Stability

Businesses can improve cost predictability and reduce the financial pressure caused by energy price fluctuations.

Sustainability Compliance

Solar adoption helps companies reduce carbon impact and improve environmental responsibility.

With strong EPC experience, SSS delivers commercial and industrial solar solutions that are practical, scalable, and performance-focused.

14. Government & Municipal Solar Solutions

Public-sector institutions and municipal bodies require reliable, cost-effective, and sustainable energy solutions for essential services. Solar energy offers a practical way to reduce energy expenses, improve public infrastructure efficiency, and support national renewable energy goals.

SSS provides solar solutions for government and municipal projects with a focus on reliable execution, technical compliance, and long-term performance.

Applications

- Municipal Committees
- Government Buildings
- Public Facilities
- Water Works
- Disposal Stations

- Educational Institutions
- Healthcare Facilities
- Community Infrastructure
- Public-Sector Solarization Projects

Solution Benefits

Lower Public Energy Expenditure

Solar systems help government and municipal bodies reduce electricity costs and improve budget efficiency.

Support for Public Infrastructure

Solar power can support essential facilities such as water systems, public buildings, and community services.

Reliable Project Execution

SSS follows structured engineering, procurement, installation, and commissioning processes to ensure dependable delivery.

Sustainability Impact

Public-sector solarization supports environmental responsibility and contributes to Pakistan's clean energy transition.

With experience in government-linked and municipal projects, SSS is positioned to support large-scale public-sector renewable energy development.

15. Cold Storage Solar Solutions

Cold storage facilities are among the most energy-intensive businesses due to continuous refrigeration requirements. Rising electricity costs directly affect operating margins, especially for agricultural storage, food supply chains, and refrigeration-based businesses.

SSS provides dedicated solar solutions for cold storage facilities, helping owners reduce energy expenses while improving operational efficiency.

Applications

- Cold Stores
- Refrigeration Facilities
- Agricultural Storage Units
- Food Supply Chain Facilities
- Fruit & Vegetable Storage
- Dairy and Frozen Product Storage

Key Benefits

Reduced Electricity Bills

Solar energy helps offset high power consumption from refrigeration systems.

Improved Cost Control

Lower energy costs allow cold storage operators to manage business expenses more effectively.

Better Energy Reliability

Hybrid and optimized solar systems can support improved energy availability for critical operations.

Agriculture Sector Support

Solar-powered cold storage supports food preservation, reduced post-harvest losses, and stronger agricultural supply chains.

Long-Term Business Value

By reducing operational costs, solar helps improve profitability and business sustainability.

SSS has relevant experience in cold storage solar projects, making this one of the company's important sector-focused strengths.

16. Residential & Commercial Rooftop Solutions

While SSS has strong experience in commercial, industrial, and government projects, the company also provides reliable rooftop solar solutions for homes, offices, mosques, housing societies, and commercial buildings.

Our rooftop systems are designed to help clients reduce electricity bills, improve energy independence, and make better use of available roof space.

Applications

- Residential Homes
- Housing Societies
- Mosques
- Offices
- Commercial Buildings
- Shops and Showrooms
- Small Business Facilities

Solution Features

Customized System Design

Each system is designed according to roof space, energy consumption, budget, and client requirements.

Quality Equipment

We use reliable solar modules, inverters, mounting structures, cables, and protection systems.

Safe Installation

Our team follows proper installation, earthing, mounting, and electrical safety practices.

Net Metering Support

Where applicable, SSS assists clients with net metering documentation and approval coordination.

Long-Term Support

Clients receive technical assistance, maintenance guidance, and after-sales support.

Our rooftop solar solutions make clean energy practical, accessible, and reliable for residential and small commercial users.

17. Hybrid & Energy Storage Solutions

As energy needs evolve, clients increasingly require systems that offer flexibility, backup power, and better energy control. Hybrid solar and battery energy storage solutions allow users to store power, manage load requirements, reduce grid dependency, and maintain energy availability during critical periods.

SSS provides hybrid and storage-ready solutions for clients seeking greater energy security and future-ready solar infrastructure.

Solutions Include

- Hybrid Solar Systems
- Battery Energy Storage
- Backup Power Solutions
- Peak Shaving Systems
- Energy Optimization
- Smart Monitoring
- Future-Ready Solar Infrastructure

Key Benefits

Backup Support

Battery storage can provide power support during outages or unstable grid conditions.

Peak Load Management

Energy storage can help manage high-demand periods and reduce pressure on conventional supply.

Improved Energy Independence

Hybrid systems allow clients to use solar power more effectively and reduce reliance on the grid.

Better Energy Utilization

Stored energy can be used when solar production is low or electricity demand is high.

Future Scalability

Storage-ready systems can be expanded as energy needs grow.

Through hybrid and energy storage solutions, SSS helps clients build smarter, more resilient, and more efficient energy systems.

18. Net Metering & Regulatory Support

Net metering is an important part of solar energy adoption, allowing eligible solar system owners to export surplus electricity to the grid and receive credit against their consumption.

SSS provides complete support for net metering applications and regulatory coordination, helping clients move through the process with clarity and confidence.

Our Support Includes**Net Metering Application Assistance**

Preparation and submission support for required documentation.

Technical Documentation

System design documents, electrical diagrams, equipment details, and required technical information.

DISCO Coordination

Support in coordination with relevant distribution companies for processing and approvals.

Compliance Support

Ensuring that the installed system meets the technical and regulatory requirements for net metering.

Bidirectional Meter Facilitation

Guidance and coordination for meter approval and installation where applicable.

Client Benefits

- Reduced electricity bills
- Better return on solar investment
- Utilization of surplus solar generation
- Improved energy cost management
- Greater financial value from installed solar capacity

With our regulatory support, clients benefit from a smoother transition from solar installation to active grid-connected energy savings.

19. Operations & Maintenance Services

A solar power system is a long-term investment, and its performance depends on proper monitoring, maintenance, and timely technical support. SSS provides operations and maintenance services to help clients protect system performance and maximize energy generation over time.

Our O&M approach focuses on preventive care, technical inspection, performance monitoring, and quick response to system issues.

O&M Services Include

System Monitoring

Regular monitoring of system performance, generation output, inverter status, and operational alerts.

Preventive Maintenance

Scheduled inspection of modules, inverters, mounting structures, wiring, earthing, and protection systems.

Cleaning & Performance Care

Solar panel cleaning schedules and generation checks to reduce losses caused by dust, debris, or shading.

Fault Detection

Identification of system faults, underperformance, inverter errors, connection issues, or equipment malfunction.

Technical Audits

Detailed inspection and performance review to identify improvement areas.

System Optimization

Recommendations and corrective actions to improve energy output and system efficiency.

Warranty Support

Assistance with equipment warranties, replacements, and manufacturer coordination where applicable.

Long-Term Value

Our O&M services help clients:

- Maintain stable energy generation
- Reduce downtime
- Protect their investment
- Improve system life
- Ensure safe operation
- Maximize return on investment

Through continuous support and performance-focused maintenance, SSS ensures that every project continues to deliver value beyond installation.

This section is built directly around the content writer's outline, including the service pillars, sector divisions, EPC scope, energy storage, net metering, and O&M structure.

SECTION 03

TECHNOLOGY & PRODUCTS

Tier-1 Partnerships, Components & Technical Strength

20. Global Technology Partnerships

Solar Supplies and Services Pvt. Ltd. works with globally recognized solar technology manufacturers to ensure that every project is built with reliable, efficient, and long-lasting equipment.

In solar energy projects, technology selection directly affects system performance, lifecycle value, safety, warranty protection, and long-term return on investment. For this reason, SSS focuses on sourcing and installing high-quality products from trusted international brands with proven performance in global renewable energy markets.

Our technology partnerships strengthen our ability to deliver solar systems that meet the requirements of industrial, commercial, government, municipal, agricultural, cold storage, and residential clients.

Authorized Technology Partners

LONGi Solar

A globally recognized solar module manufacturer known for high-efficiency photovoltaic technology and reliable module performance.

Jinko Solar

A leading global solar module brand offering advanced solar technologies designed for high generation, durability, and long-term efficiency.

Huasun Energy

A specialist in HJT N-Type bifacial PV module technology, offering advanced high-efficiency modules for demanding solar applications.

SSS's manufacturer authorization letters include LONGi Solar, Huasun Energy, and Jinko Solar, confirming its recognized access to premium PV module supply for projects in Pakistan.

Through these partnerships, SSS ensures:

- Access to Tier-1 solar technologies
 - Strong product reliability
 - Manufacturer-backed credibility
 - Better warranty confidence
 - Efficient project procurement
 - Improved lifecycle performance
-

21. Product Portfolio

SSS provides a complete range of solar energy components required for reliable project execution. Our product portfolio supports rooftop, ground-mounted, commercial, industrial, hybrid, and grid-connected solar systems.

Every product is selected according to project requirements, site conditions, energy demand, system design, budget, and long-term performance expectations.

Our Product Categories

Solar Modules

High-efficiency PV modules from internationally recognized manufacturers, including N-Type, bifacial, and high-output module options.

Inverters

On-grid and hybrid inverters designed for efficient DC-to-AC conversion, system monitoring, and reliable energy performance.

Battery Energy Storage Systems

Storage-ready and hybrid solutions for backup power, energy optimization, peak shaving, and improved energy independence.

Mounting Structures

Durable mounting systems for rooftop, ground-mounted, industrial, commercial, and customized solar installations.

Balance of System Components

Cables, connectors, protection devices, distribution panels, earthing systems, isolators, and other essential electrical components.

Monitoring Systems

Smart monitoring tools that help track generation, system health, inverter status, and performance efficiency.

By combining quality products with professional engineering and installation, SSS delivers complete solar power systems built for performance, safety, and long-term value.

22. Solar Modules

Solar modules are the foundation of every photovoltaic system. Their quality, efficiency, durability, and warranty strength directly influence the performance and financial return of the entire project.

SSS supplies and installs high-efficiency solar modules from trusted international manufacturers, selected according to system design, site exposure, energy requirements, and project scale.

Module Technologies

N-Type Solar Modules

N-Type technology offers improved efficiency, lower degradation, better performance under high temperatures, and stronger long-term generation potential.

Bifacial Solar Modules

Bifacial modules generate energy from both front and rear sides, improving output in suitable installation environments such as elevated structures, reflective surfaces, and ground-mounted systems.

High-Efficiency PV Modules

Designed to generate more power from available space, high-efficiency modules are ideal for industrial rooftops, commercial facilities, and projects where space optimization matters.

Advanced HJT Module Options

HJT technology combines high-efficiency cell architecture with strong temperature performance and improved generation reliability.

Suitable Applications

- Industrial rooftops
- Commercial buildings
- Ground-mounted solar plants
- Cold storage facilities
- Municipal projects
- Agriculture-linked projects
- Residential rooftops
- Hybrid solar systems

Client Benefits

- Higher energy generation
- Better return on investment
- Long-term warranty protection
- Reduced degradation risk
- Improved performance in Pakistan's climate
- Greater system reliability

Through Tier-1 module selection and professional installation standards, SSS ensures that every solar project is designed to deliver dependable energy output over the long term.

23. Inverters & Power Electronics

Solar inverters are the intelligence and control center of a solar power system. They convert direct current generated by solar panels into usable alternating current while managing power flow, safety functions, monitoring, and system efficiency.

SSS supplies and installs inverters according to each project's capacity, grid connection, load profile, backup requirement, and operational objectives.

Inverter Solutions

On-Grid Inverters

Designed for grid-connected solar systems, on-grid inverters support energy generation, utility synchronization, and net metering applications.

Hybrid Inverters

Hybrid inverters allow integration of solar panels, battery storage, and grid power, making them suitable for clients requiring backup support and improved energy flexibility.

Commercial & Industrial Inverters

High-capacity inverters designed for large-scale rooftop, ground-mounted, and industrial solar applications.

Monitoring-Enabled Inverters

Modern inverters allow real-time tracking of generation, system status, fault alerts, and operational performance.

Key Features

- Efficient DC-to-AC conversion
- Stable system performance

- Grid synchronization
- Safety protection
- Remote monitoring
- Fault detection
- Energy optimization
- Compatibility with high-power modules

Client Benefits

- Improved system reliability
- Better energy conversion efficiency
- Real-time performance visibility
- Faster issue identification
- Safer system operation
- Better lifecycle performance

By using technically suitable inverter solutions, SSS ensures that each solar project operates efficiently, safely, and in alignment with the client's energy goals.

24. Mounting Structures & BOS

A solar power system is only as strong as the infrastructure that supports it. Mounting structures, electrical protection, cabling, earthing, and balance of system components play a critical role in safety, durability, and long-term performance.

SSS designs and installs mounting and BOS systems according to site conditions, roof structure, wind load considerations, installation type, and system capacity.

Mounting Structure Solutions

Rooftop Mounting Structures

Suitable for homes, offices, factories, warehouses, mosques, commercial buildings, and industrial rooftops.

Ground-Mounted Structures

Designed for open land, large-scale solar plants, agriculture applications, municipal projects, and industrial facilities.

Industrial Rooftop Structures

Customized for large commercial and industrial roofs requiring durable, safe, and space-efficient solar installation.

P1 Aluminum Standard Structure

A reliable mounting structure option designed for durability, corrosion resistance, and professional solar installation.

Customized Mounting Solutions

Tailored mounting structures based on project layout, roof type, system size, and site-specific engineering requirements.

BOS Components

DC & AC Cables

High-quality cabling for safe energy transfer and reduced power losses.

Protection Devices

Breakers, isolators, surge protection devices, fuses, and other safety components.

Electrical Panels

Distribution and protection panels designed according to project requirements.

Earthing & Grounding Systems

Essential safety systems to protect equipment, infrastructure, and users.

Connectors & Accessories

Reliable connection components that support safe and stable system operation.

Client Benefits

- Stronger system safety
- Longer equipment life
- Better installation durability
- Reduced maintenance risk
- Improved performance stability
- Professional project execution

SSS gives equal attention to visible and hidden system components because long-term solar performance depends on both premium equipment and disciplined installation infrastructure.

25. Why Our Technology

Solar technology is a long-term investment. The right combination of modules, inverters, structures, protection systems, and monitoring tools determines how well a system performs over 20–25 years.

SSS selects technology based on reliability, efficiency, warranty protection, climate suitability, project requirements, and lifecycle value.

Technology Advantages

Tier-1 Manufacturer Support

Our partnerships with recognized solar manufacturers provide strong product credibility and dependable supply support.

High-Efficiency Generation

Advanced modules and optimized system design help clients generate more energy from available space.

Long-Term Reliability

Quality equipment reduces performance risk and supports consistent generation over the system lifecycle.

Warranty Protection

Manufacturer-backed warranties provide clients with confidence and long-term security.

Performance in Pakistan's Climate

Technology is selected with consideration for heat, dust, sunlight intensity, and site conditions.

Professional Installation Standards

Even the best technology requires proper installation. SSS combines quality equipment with experienced engineering and execution teams.

Better Lifecycle Value

Our focus is not only on installation cost, but on long-term generation, maintenance, reliability, and financial return.

Our Technology Principle

We do not simply supply solar products.

We integrate reliable technology into complete energy systems designed for measurable performance, operational safety, and long-term client value.

Section 03 is now complete.

SECTION 04

PROJECT EXECUTION EXCELLENCE

Engineering Strength, Process & Delivery Methodology

26. Our Project Delivery Methodology

At Solar Supplies and Services Pvt. Ltd., every project is executed through a structured delivery process designed to ensure technical accuracy, quality control, timely completion, and long-term performance.

Solar energy projects require more than equipment installation. They require proper feasibility, accurate engineering, reliable procurement, disciplined construction, testing, documentation, and after-sales support. Our project methodology brings all these stages together under one responsible EPC partner.

From initial consultation to final commissioning, SSS follows a clear execution framework that reduces project risk and gives clients confidence at every stage.

1. Consultation & Requirement Analysis

Every project begins with understanding the client's energy needs, operational requirements, financial objectives, site limitations, and long-term expectations.

We review:

- Current electricity consumption
- Load profile
- Business operation hours
- Available installation space
- Existing electrical infrastructure
- Budget and financing requirements
- Future expansion plans

This allows us to recommend a solution that is practical, technically suitable, and financially meaningful.

2. Site Survey & Feasibility Study

Our technical team conducts a detailed site assessment to evaluate physical, structural, electrical, and environmental conditions.

The feasibility study includes:

- Roof or land assessment
- Shading analysis
- Space availability
- Load requirement study
- Structural suitability
- Grid connection review
- Expected generation estimate
- Return on investment analysis

This stage ensures that the proposed solar system is realistic, safe, and aligned with the client's energy objectives.

3. Engineering Design

After feasibility approval, our engineering team prepares the technical design of the solar power system.

This includes:

- System sizing
- Module layout
- String design
- Inverter selection
- Mounting structure planning
- Cable routing
- Protection system design
- Earthing and grounding plan
- Single-line diagrams
- Energy generation estimation

Our design process focuses on performance, safety, durability, and long-term operational value.

4. Procurement & Supply Chain Management

SSS sources equipment from reliable technology partners and approved suppliers to ensure product quality and project reliability.

Procurement includes:

- Solar modules
- Inverters
- Mounting structures
- Cables
- Protection devices
- Electrical panels
- Monitoring systems
- Balance of system components

Through authorized manufacturer relationships and strong vendor coordination, we support smooth project execution and reduce procurement-related delays.

5. Installation & Construction

Our installation teams carry out project execution according to approved engineering designs and site conditions.

The construction phase includes:

- Mounting structure installation
- Solar module installation
- DC and AC cable laying
- Inverter installation
- Electrical panel installation
- Earthing and grounding
- Protection system integration
- Cable management
- Site safety implementation

Each installation is supervised to maintain quality, safety, and technical compliance.

6. Testing & Commissioning

Before handover, every system is tested to verify safety, performance, and operational readiness.

Testing may include:

- Electrical continuity checks
- Insulation resistance testing
- Earthing verification
- Inverter testing
- Protection system testing
- Generation output review
- Grid synchronization
- Monitoring system activation

Commissioning ensures that the solar system is ready for safe and reliable operation.

7. Handover & Documentation

After successful testing and commissioning, the project is formally handed over to the client with required documentation.

Handover documents may include:

- System design details
- Equipment specifications
- Warranty information
- Testing records
- Operation guidelines
- Maintenance instructions
- Net metering documentation where applicable

This ensures transparency, accountability, and ease of future operation.

8. Monitoring & O&M Support

Our responsibility does not end at installation. SSS provides long-term support through monitoring, maintenance, inspections, and performance optimization.

O&M support includes:

- Preventive maintenance
- System health checks
- Generation monitoring
- Fault detection
- Cleaning schedules
- Performance audits
- Warranty support

This lifecycle approach helps clients protect their investment and maximize solar generation over time.

27. Leadership Team

Strong leadership is essential for disciplined project execution, responsible decision-making, and sustainable business growth.

Solar Supplies and Services is led by professionals with a clear vision for Pakistan's renewable energy future. The leadership team guides the company's strategy, project standards, client relationships, financial partnerships, and long-term growth direction.

The company's leadership approach is built on practical market understanding, engineering focus, transparent execution, and commitment to long-term client value.

Leadership Focus Areas

Strategic Growth

Expanding SSS as a trusted solar EPC and energy infrastructure partner across Pakistan.

Project Excellence

Ensuring that every project is delivered with technical discipline, quality control, and accountability.

Client Confidence

Building long-term relationships with industrial, commercial, government, municipal, defense, agricultural, and residential clients.

Financial Enablement

Supporting clients through banking, leasing, LC, bank guarantee, and running finance facilities where applicable.

Sustainable Impact

Contributing to Pakistan's transition toward cleaner, more affordable, and more reliable energy.

Leadership Statement

Our leadership believes that solar energy must be delivered with responsibility, not only as a product but as long-term infrastructure. This mindset shapes every decision, from technology selection and financial structuring to project execution and after-sales support.

28. Engineering & Technical Team

The strength of Solar Supplies and Services lies in its people. Our projects are supported by qualified engineers, skilled technicians, field supervisors, project coordinators, and execution teams who work together to deliver reliable solar energy systems.

Solar projects require multidisciplinary expertise across electrical, mechanical, civil, structural, and energy system disciplines. SSS brings these capabilities together to ensure that each project is designed, installed, tested, and maintained according to client needs and technical requirements.

Our Technical Capabilities

Electrical Engineering

System sizing, electrical design, inverter selection, protection systems, grid integration, earthing, cable sizing, and single-line diagrams.

Mechanical & Structural Coordination

Mounting system selection, structure planning, rooftop suitability, equipment placement, and installation stability.

Civil Works Support

Foundation planning, ground-mounted system requirements, site preparation, and construction coordination where required.

Project Management

Scheduling, site coordination, procurement tracking, manpower planning, execution supervision, and client communication.

Field Execution

Installation of modules, structures, inverters, cables, panels, protection devices, and balance of system components.

Operations & Maintenance

Monitoring, technical inspections, preventive maintenance, troubleshooting, and system optimization.

Team Strength

SSS is supported by engineers and technicians with backgrounds from recognized institutions and technical training platforms, including UET, UOL, UCP, UAF, PITAC, TEVTA, and ETRC, as highlighted in the approved content direction.

Our People Principle

Our strength lies in our people — a qualified team of engineers, technicians, and project professionals committed to safe, reliable, and high-performance execution.

29. Quality Assurance & HSE

Quality and safety are central to every solar project delivered by SSS. A solar power system is a long-term asset, and its reliability depends on disciplined design, quality materials, safe installation, proper testing, and ongoing maintenance.

SSS follows a quality-focused project approach that covers procurement, installation, testing, commissioning, and after-sales support. Our goal is to deliver systems that are safe, durable, efficient, and capable of long-term performance.

Quality Assurance Approach

Design Review

Every project begins with technical review to ensure the proposed system matches the client's site conditions, load requirements, and performance expectations.

Material Quality Control

Solar modules, inverters, structures, cables, protection devices, and BOS components are selected from reliable suppliers and approved technology partners.

Installation Supervision

Project installation is supervised to maintain workmanship standards, cable management, structure alignment, safety practices, and system integrity.

Testing & Commissioning

Systems are tested before handover to verify electrical safety, inverter operation, protection performance, earthing, monitoring, and energy generation.

Documentation

Proper project records, technical details, warranty documents, and handover files are maintained to ensure transparency and future support.

HSE Commitment

Health, Safety, and Environment practices are important in every project environment, especially for industrial rooftops, commercial facilities, ground-mounted systems, and electrical works.

SSS promotes safe execution through:

- Site safety awareness
- Use of proper tools and equipment
- Electrical safety practices
- Working-at-height precautions
- Controlled installation procedures
- Supervision during critical work
- Responsible waste and site management

Our safety culture is focused on protecting people, client assets, equipment, and project infrastructure.

Quality Objective

To deliver solar energy systems that are engineered correctly, installed safely, tested properly, and supported throughout their lifecycle.

30. Financial Solutions & Banking Support

One of the strongest differentiators of Solar Supplies and Services is its ability to support clients not only technically, but also financially.

The initial investment for solar power plants can be a major challenge for businesses, industries, institutions, and public-sector clients. SSS helps address this challenge through partnerships and facilitation with financial institutions, enabling clients to adopt solar energy through flexible financing and leasing options.

The current SSS profile highlights partnerships with major financial institutions including Bank Al Habib, Meezan Bank, Bank Alfalah, PKIC, POIC, Orix, NBP, and others for leasing solutions, LC facilities, bank guarantees, and running finance support.

Financial Support Capabilities

Leasing Solutions

Support for clients seeking solar adoption through structured leasing options.

Project Financing Support

Facilitation with banking partners for financing commercial, industrial, government, and large-scale solar projects.

Letter of Credit Facilities

Support for strengthening imports, procurement, and equipment supply for project execution.

Bank Guarantees

Financial backing for eligible projects requiring institutional assurance and project credibility.

Running Finance

Support for cash flow management in ongoing government and private solar development projects.

Financial Advisory

Guidance to help clients understand project cost, savings potential, payback period, and suitable financing models.

Banking & Financial Partners

SSS works with and is connected to financial institutions including:

- Bank Al Habib
- Meezan Bank
- Bank Alfalah
- National Bank of Pakistan
- PKIC
- POIC
- Orix
- Other financial institutions

Client Advantage

Through financial integration, SSS helps clients:

- Reduce upfront investment pressure
- Improve project feasibility
- Access structured financing options
- Accelerate solar adoption
- Manage project cash flow
- Achieve long-term energy savings

This financial capability strengthens SSS as a practical energy infrastructure partner, especially for industrial, commercial, municipal, and government-sector clients.

31. Why Choose SSS

Choosing the right solar partner is critical. A solar project is not only about buying equipment — it is about selecting a company that can design, finance, execute, commission, and support a long-term energy asset.

Solar Supplies and Services offers a complete combination of engineering expertise, project execution capability, authorized technology access, financial support, and nationwide presence.

Engineering Expertise

SSS is supported by qualified engineers and technical teams capable of managing design, installation, testing, commissioning, and maintenance of solar energy systems across multiple sectors.

Our technical strength allows us to deliver systems that are safe, efficient, and suitable for real-world site conditions.

EPC Capability

We provide complete Engineering, Procurement, and Construction services under one roof.

This single-window approach reduces client risk, improves coordination, ensures accountability, and supports smoother project execution.

Proven Project Portfolio

SSS has developed a project portfolio of 21.833 MW with a value of approximately PKR 1.98 billion / PKR 2 billion+, including completed and in-progress projects across industrial, commercial, municipal, cold storage, government, defense, and residential sectors.

Tier-1 Technology Partnerships

SSS has manufacturer authorization support from recognized global solar brands including LONGi Solar, Jinko Solar, and Huasun Energy. These partnerships strengthen product credibility, warranty confidence, and supply reliability.

Financial Strength

Through banking and leasing partnerships, SSS helps clients overcome the initial investment challenge and implement solar projects with greater financial flexibility.

This is a major advantage for industrial, commercial, and government-sector clients.

Government & Institutional Experience

SSS has experience serving government-linked, municipal, defense, industrial, and public-sector clients. This strengthens the company's credibility for structured and compliance-focused projects.

Nationwide Execution Capability

SSS is positioned to serve clients across Punjab, Sindh, KPK, Balochistan, and AJK, supporting solar adoption across multiple regions of Pakistan.

O&M and After-Sales Support

Our work continues beyond project completion. Through monitoring, maintenance, audits, troubleshooting, and performance optimization, SSS helps clients protect long-term system value.

Single-Window Responsibility

From consultation to commissioning and from financing support to O&M, SSS provides integrated project responsibility.

This allows clients to work with one trusted partner instead of managing multiple vendors, suppliers, consultants, and contractors.

The SSS Promise

We deliver solar energy solutions with engineering discipline, financial practicality, reliable execution, and long-term commitment.

Our goal is not only to install solar systems — our goal is to build energy infrastructure that performs, saves, and lasts.

SECTION 05

PROVEN PERFORMANCE

Projects, Clients & Market Credibility

32. Project Performance Dashboard

Solar Supplies and Services Pvt. Ltd. has built a strong and growing project portfolio across industrial, commercial, government, municipal, defense, cold storage, and residential sectors.

Our performance record reflects our ability to execute projects of different scales, from small distributed systems to multi-megawatt solar power plants. Each project strengthens our experience in engineering, procurement, installation, commissioning, and long-term solar performance.

Performance at a Glance

21.833 MW

Total project capacity delivered / under execution

PKR 1.98 Billion+

Total project portfolio value

40+ Projects

Completed and in-progress solar installations

Multiple Sectors Served

Industrial | Commercial | Government | Municipal | Cold Storage | Defense | Residential

Nationwide Execution Capability

Projects across major regions of Pakistan

Tier-1 Technology Support

Authorized access to leading global solar manufacturers

The current SSS project list records a total project capacity of **21.833 MW** with a total project value of approximately **PKR 1.98 billion**.

33. Project Portfolio Overview

SSS has successfully developed and executed solar projects across diverse client categories, demonstrating strong technical adaptability and sector-specific execution capability.

Our portfolio includes rooftop, ground-mounted, on-grid, hybrid, commercial, industrial, municipal, and institutional solar projects. The diversity of this portfolio reflects our ability to design and execute solutions according to each client's site conditions, load requirements, financial priorities, and long-term energy goals.

Portfolio Categories

Industrial Projects

Large-capacity solar systems for manufacturing, processing, textile, food, and production facilities.

Commercial Projects

Solar solutions for offices, showrooms, commercial buildings, warehouses, and business facilities.

Government & Municipal Projects

Solar systems for municipal committees, public infrastructure, and government-linked facilities.

Cold Storage Projects

Dedicated energy solutions for refrigeration-based businesses and agricultural storage facilities.

Defense Sector Projects

Reliable energy solutions for defense-linked facilities requiring disciplined project execution.

Residential & Community Projects

Customized solar systems for homes, societies, mosques, and small commercial facilities.

Portfolio Strength

SSS's project record proves its ability to manage:

- Small to large-scale solar installations
- High-capacity industrial projects
- Public-sector and municipal requirements
- Energy-intensive cold storage applications
- Commercial rooftop systems
- Hybrid and on-grid solar solutions

This broad portfolio positions SSS as a practical and reliable EPC partner for clients seeking long-term energy savings and professional project execution.

34. Flagship Projects

SSS has delivered and managed several high-value solar projects across Pakistan. The following flagship projects represent the company's execution strength, sector diversity, and ability to handle projects of significant scale.

Mezan Beverages

Capacity: 4 MW

Location: Lahore

Sector: Industrial / Beverages

Status: Completed

Mezan Beverages is one of the major industrial-scale projects in the SSS portfolio. The project reflects the company's ability to execute large-capacity solar systems for high-demand industrial facilities.

Project Significance:

A large-scale industrial solar installation designed to support energy cost reduction and long-term operational savings for a major production facility.

Six B Food Industries

Capacity: 3 MW

Location: Lahore

Sector: Food Processing / Industrial

Status: In Progress

Six B Food Industries represents SSS's growing presence in the food processing sector. The project demonstrates capability in handling high-capacity solar systems for businesses with significant energy consumption.

Project Significance:

A major industrial solar project supporting energy efficiency and cost optimization for a food manufacturing operation.

Forward Sports

Capacity: 1.6 MW

Location: Sialkot

Sector: Manufacturing / Sports Goods

Status: Completed

Forward Sports is a key industrial project in the SSS portfolio. It reflects the company's experience in supporting export-oriented manufacturing businesses through renewable energy solutions.

Project Significance:

A solar energy system designed for a high-production manufacturing environment where energy savings and operational reliability are critical.

Pakistan Air Force

Capacity: 1 MW

Location: Bhulari

Sector: Defense / Institutional

Status: Completed

The Pakistan Air Force project is a major institutional reference for SSS. It strengthens the company's credibility in serving defense-linked and government-sector clients.

Project Significance:

A high-credibility project demonstrating SSS's capability to execute disciplined, technically reliable solar installations for institutional infrastructure.

Pharma Zone Chemicals

Capacity: 1.023 MW

Location: Lahore

Sector: Chemicals / Industrial

Status: Completed

Pharma Zone Chemicals is a significant industrial solar project requiring reliable energy performance and technical execution.

Project Significance:

A megawatt-scale solar system supporting reduced energy dependency and improved cost efficiency for an industrial facility.

Reliance Materials

Capacity: 803 kW

Location: Faisalabad

Sector: Industrial / Manufacturing

Status: Completed

Reliance Materials is one of the notable industrial projects completed by SSS, with an additional second phase also listed in the project portfolio.

Project Significance:

A strong example of repeat industrial project potential, reflecting client trust and continued energy expansion.

Municipal Committee Projects

Capacity Range: 45 kW to 915 kW+

Locations: Bahawalnagar, Vehari, Kamoki, Burewala, Okara, Wazirabad

Sector: Government / Municipal

Status: In Progress

SSS has multiple municipal projects listed across Punjab, highlighting its growing involvement in public-sector solarization.

Project Significance:

These projects demonstrate SSS's ability to support government and municipal infrastructure with reliable solar energy solutions.

Cold Storage Projects

Selected Clients: LalaPak Cold Store, Qurban Cold Store, Amin Cold Store, Rafiq Cold Store, Alhamdulillah Cold Store, Shoukat Cold Store

Capacity Range: 106 kW to 201 kW+

Sector: Cold Storage / Agriculture-Linked Business

Status: Completed

SSS has served multiple cold storage clients, proving its sector-specific experience in energy-intensive refrigeration businesses.

Project Significance:

Cold storage solar solutions help reduce operational pressure caused by high electricity consumption and support agriculture-linked supply chains.

35. Sector Portfolio

SSS's project portfolio is spread across multiple sectors, giving the company practical experience in different project environments, energy loads, client expectations, and execution requirements.

Industrial

Industrial clients require high-performance systems that can support heavy energy usage and long operating hours. SSS has experience delivering solar systems for manufacturing, chemicals, food processing, textile, materials, and production-based industries.

Commercial

Commercial solar solutions help businesses reduce electricity bills and improve energy cost predictability. SSS serves commercial buildings, showrooms, offices, warehouses, and corporate facilities.

Government & Municipal

Government and municipal projects require structured execution, compliance, and long-term operational reliability. SSS supports public-sector solarization through municipal and government-linked projects.

Defense

Defense-linked projects demand reliability, responsibility, and disciplined execution. SSS's experience in this sector adds strong institutional credibility.

Cold Storage

Cold storage facilities face high energy consumption due to refrigeration loads. SSS has developed strong experience in this category by serving multiple cold storage projects.

Agriculture

Solar energy supports agriculture through irrigation, storage, and rural energy applications. SSS's cold storage and agriculture-linked project experience strengthens this area.

Residential

SSS also provides customized rooftop systems for homes, housing societies, mosques, and residential clients seeking energy savings and backup-ready solutions.

36. Major Clients

SSS has served a diverse group of clients across public, private, commercial, industrial, municipal, defense, and residential sectors. This client diversity reflects the company's ability to adapt its solutions to different project sizes, technical requirements, and operational environments.

Defense

- Pakistan Air Force
- COAS Residence

Government & Municipal

- Municipal Committee Bahawalnagar
- Municipal Committee Vehari
- Municipal Committee Kamoki
- Municipal Committee Burewala
- Municipal Committee Okara
- Municipal Committee Wazirabad

Industrial & Manufacturing

- Mezan Beverages
- Forward Sports
- Pharma Zone Chemicals
- Reliance Materials
- Kamran Flour Mill
- Al Noor Flour Mills
- Amna Foods
- Six B Food Industries
- Paracha Textile
- Kamal Mills Ltd.

Cold Storage

- LalaPak Cold Store
- Qurban Cold Store
- Amin Cold Store

- Rafiq Cold Store
- Alhamdulillah Cold Store
- Shoukat Cold Store

Commercial & Corporate

- Hyundai Showroom
- Sama News Head Office
- Park Avenue Head Office
- Addos Corporation
- Al-Jalil Gardens
- Unilever RYK

Residential & Community

- DHA Phase 6
- DHA Phase 8
- OPF Lahore
- Abdalian Society
- NESPAK Society
- Wapda Town
- Multan Jamia Mosque

These client references are based on the project list included in the current SSS company profile.

37. Client Testimonials

Solar Supplies and Services values long-term relationships built on performance, transparency, and reliable project delivery.

Client feedback plays an important role in strengthening trust and demonstrating the real impact of our work. For the final designed profile, this section can include selected testimonials from industrial, government, commercial, and cold storage clients.

Suggested Testimonial Format

Client Name / Organization

Project Capacity | Location | Sector

“Short testimonial statement highlighting project quality, timely delivery, technical support, savings, or after-sales service.”

Suggested Testimonial Themes

Project Delivery

Feedback on timely execution, professional coordination, and smooth project completion.

Technical Quality

Feedback on system design, installation quality, equipment performance, and technical supervision.

Energy Savings

Feedback on electricity bill reduction, operational cost control, and return on investment.

After-Sales Support

Feedback on maintenance, monitoring, troubleshooting, and long-term service.

Professional Experience

Feedback on communication, documentation, and overall client satisfaction.

Recommended Testimonials to Collect

- One industrial client
- One government / municipal client
- One cold storage client
- One commercial client
- One residential or community client

This section should only include real approved testimonials in the final profile. Until then, it can be kept as a designed placeholder or replaced with project outcome statements.

38. Institutional Credentials

SSS's credibility is supported not only by project execution, but also by formal documentation, certifications, authorizations, registrations, and institutional records.

To keep the main company profile premium and visually polished, detailed scanned documents should not dominate the profile. Instead, the main profile should present these credentials in a clean summary format, while full supporting documents can be included in a separate annexure or provided upon request.

Supporting Documents Available

Work Orders

Project-specific work orders and award documents demonstrating execution history.

Completion Certificates

Where available, completion records confirming successful project delivery.

Manufacturer Authorizations

Formal authorization letters from leading solar manufacturers, including LONGi Solar, Huasun Energy, and Jinko Solar.

Certifications & Registrations

SECP, PEC, AEDB, FBR, PRA, ISO, and other applicable registrations and certifications.

Financial Partnership Records

Evidence of banking relationships, LC facilities, bank guarantees, running finance, leasing support, and project financing facilitation.

Project Portfolio Records

Detailed project list showing project capacity, status, location, client name, timeline, and project value.

Documentation Policy

Supporting documents can be provided for:

- Tender submissions
- Enlistment requirements
- Client due diligence
- Institutional verification
- Procurement evaluation
- Partnership discussions

Recommended Note for Profile

“Detailed work orders, certifications, manufacturer authorizations, and supporting documents are available in the annexure or can be provided upon request.”

SECTION 05 SUMMARY

SSS's proven performance is built on real project delivery, sector diversity, strong institutional references, Tier-1 manufacturer access, and a growing renewable energy portfolio.

With more than 21 MW of project capacity and a portfolio value approaching PKR 2 billion, SSS continues to strengthen its position as a reliable EPC and energy infrastructure partner for

Pakistan's industrial, commercial, government, municipal, defense, cold storage, and residential sectors.

SECTION 06

TRUST, COMPLIANCE & GOVERNANCE

Certifications, Registrations & Institutional Credibility

39. Certifications & Registrations

Trust is built through verified credentials, legal compliance, quality standards, and institutional recognition. Solar Supplies and Services Pvt. Ltd. operates as a registered and compliant renewable energy company with the certifications, registrations, and enlistments required to support professional EPC execution across Pakistan.

These credentials strengthen our ability to serve industrial, commercial, government, municipal, defense, agriculture, cold storage, and residential clients with confidence.

SSS's current profile identifies the company as an **Energy & Construction Project Developer & Contractor** with **PEC C2/4647** and **AEDB CR/25/279/C-1** credentials.

Key Registrations & Certifications

SECP Registration

Solar Supplies and Services Pvt. Ltd. is registered with the Securities and Exchange Commission of Pakistan, confirming its legal corporate status as a private limited company.

PEC License — C2/4647

The Pakistan Engineering Council registration strengthens SSS's position as an engineering and construction project developer and contractor.

AEDB Certificate — CR/25/279/C-1

The AEDB registration supports SSS's credibility in Pakistan's renewable energy sector.

FBR Registration

SSS is registered with the Federal Board of Revenue, confirming tax compliance and formal business operations.

PRA Registration

Punjab Revenue Authority registration supports compliance for applicable services and business activities.

ISO Certification

SSS has quality management certification coverage for advisory, consultancy, project development, project management, engineering, procurement, construction, commissioning, monitoring, supplies, sales, services, operations and maintenance of solar PV systems and related energy solutions.

Lahore Chamber of Commerce & Industry

Membership / registration with LCCI supports commercial credibility and formal business recognition.

Pakistan Solar Association

Association with Pakistan's solar industry network further strengthens SSS's market presence and renewable energy credibility.

Why These Credentials Matter

For clients, certifications and registrations are not only documents. They are evidence of:

- Legal business status
- Engineering eligibility
- Renewable energy sector recognition
- Tax and regulatory compliance
- Quality management standards
- Project execution credibility
- Institutional readiness for tendering and procurement

These credentials allow SSS to support private-sector clients, public-sector organizations, industrial buyers, and institutional partners with confidence and transparency.

40. Manufacturer Authorizations

The quality of a solar project depends heavily on the reliability of its components. For this reason, SSS works with globally recognized manufacturers and maintains authorization support from leading solar technology brands.

Manufacturer authorizations strengthen product credibility, warranty confidence, procurement reliability, and client trust. They also confirm that SSS has access to high-quality solar modules and related technologies for project execution in Pakistan.

The current SSS profile includes manufacturer authorization letters from **LONGi Solar**, **Huasun Energy**, and **Jinko Solar**.

LONGi Solar Authorization

LONGi Solar is one of the world's leading solar technology companies, known for high-efficiency mono-crystalline photovoltaic modules.

SSS's authorization from LONGi supports its ability to participate in bidding projects, supply PV modules, and provide quality solar technology for local market projects.

Product Relevance:

- High-efficiency PV modules
 - Commercial solar projects
 - Industrial solar systems
 - Rooftop and ground-mounted installations
 - Long-term solar generation systems
-

Huasun Energy Authorization

Huasun Energy is recognized for advanced **HJT N-Type bifacial PV module technology**. These modules are suitable for high-performance solar applications requiring strong efficiency and long-term output.

SSS's authorization from Huasun supports the supply and bidding of HJT N-Type PV modules for renewable energy projects.

Product Relevance:

- HJT N-Type bifacial PV modules
 - High-efficiency solar systems
 - Industrial and commercial applications
 - Ground-mounted projects
 - Performance-focused installations
-

Jinko Solar Authorization

Jinko Solar is a globally recognized solar module manufacturer offering advanced PV technologies and A-grade high-efficiency modules.

SSS's authorization from Jinko Solar supports cooperation for project supply and module selling, strengthening its access to reliable solar products.

Product Relevance:

- A-grade PV modules
 - High-efficiency module solutions
 - Industrial and commercial projects
 - Long-term energy systems
 - Warranty-backed solar installations
-

Value of Manufacturer Authorizations

These authorizations allow SSS to offer clients:

- Access to trusted global solar technologies
- Better product reliability
- Stronger warranty confidence
- Improved procurement credibility
- Higher performance potential
- Reduced risk of low-quality equipment
- Better lifecycle value

Through these partnerships, SSS ensures that each project is backed by reliable technology and professional execution.

41. Compliance & Ethical Standards

SSS believes that renewable energy projects must be delivered with responsibility, transparency, and technical integrity. Our compliance approach covers legal obligations, engineering standards, safety practices, quality documentation, environmental responsibility, and ethical business conduct.

In energy infrastructure projects, trust is not created by promises alone. It is created through disciplined execution, proper documentation, regulatory compliance, and accountability at every stage.

Legal Compliance

SSS operates as a legally registered company and maintains applicable corporate, tax, engineering, and renewable energy registrations.

Our compliance framework supports:

- Corporate governance
- Tax registration
- Engineering eligibility
- Renewable energy sector participation
- Tender and procurement readiness
- Institutional due diligence

Engineering Standards

SSS follows engineering-focused project execution practices across design, procurement, installation, commissioning, and maintenance.

Our engineering standards include:

- Proper system sizing
- Electrical safety planning
- Load and feasibility assessment
- Component selection
- Protection system design
- Earthing and grounding
- Testing and commissioning
- Technical documentation

This ensures that systems are designed for safe operation, practical performance, and long-term reliability.

Quality Documentation

Documentation is an essential part of professional project execution. SSS maintains project records to support transparency, future maintenance, warranty coordination, and client confidence.

Documentation may include:

- Project proposals
- Technical designs
- Single-line diagrams
- Equipment specifications
- Test reports
- Handover documents
- Warranty records
- Net metering documentation
- Work orders and completion references

This documentation helps clients verify the project scope, technical standards, equipment details, and long-term support process.

Safety Culture

Solar EPC projects involve electrical systems, rooftop work, structural installation, cable management, and grid connectivity. SSS gives importance to safety practices during project execution.

Our safety focus includes:

- Electrical safety
- Site supervision
- Working-at-height precautions
- Proper tools and equipment
- Safe cable routing
- Controlled installation processes
- Earthing and protection systems
- Responsible site management

Safety is treated as a core part of quality execution, not as a separate formality.

Environmental Responsibility

As a renewable energy company, SSS contributes to the transition from conventional energy dependency toward cleaner power generation.

Our environmental responsibility is reflected through:

- Solar energy adoption
- Reduced reliance on grid electricity
- Lower carbon footprint for clients

- Energy-efficient infrastructure
 - Sustainable project planning
 - Support for Pakistan's clean energy goals
-

Transparent Project Execution

SSS aims to maintain transparency throughout the project lifecycle, from consultation and proposal to engineering, procurement, commissioning, and after-sales support.

Our project communication includes:

- Clear project scope
- Transparent technical recommendations
- Defined equipment specifications
- Realistic feasibility expectations
- Documented project milestones
- After-sales support structure
- Client coordination at each stage

Transparency helps reduce misunderstanding, improve project confidence, and build long-term client relationships.

42. The SSS Advantage

Solar Supplies and Services Pvt. Ltd. combines engineering capability, financial support, authorized technology access, public and private sector experience, and nationwide execution strength.

This combination makes SSS more than a solar contractor. It positions the company as a reliable energy infrastructure partner capable of delivering complete renewable energy solutions from concept to commissioning and beyond.

Engineering Excellence

SSS brings technical expertise across system design, procurement, installation, commissioning, and long-term maintenance.

Every project is approached with a focus on safety, efficiency, reliability, and lifecycle performance.

Proven Portfolio

With a recorded project capacity of **21.833 MW** and a total portfolio value of approximately **PKR 1.98 billion**, SSS has demonstrated strong execution capability across diverse sectors.

Financial Strength

SSS supports solar adoption through banking and financing partnerships. Its existing profile highlights financial relationships with Bank Al Habib, Meezan Bank, Bank Alfalah, NBP, PKIC, POIC, Orix, and others for leasing, LC, bank guarantee, and running finance facilities.

Tier-1 Technology Access

SSS works with leading global solar manufacturers including LONGi, Jinko Solar, and Huasun, giving clients access to reliable module technologies and manufacturer-backed credibility.

Nationwide Reach

SSS is positioned to serve clients across Punjab, Sindh, KPK, Balochistan, and AJK, supporting renewable energy adoption across multiple regions of Pakistan.

Government & Institutional Experience

SSS has experience with government-linked, municipal, defense, commercial, and industrial solar projects, strengthening its credibility for structured procurement and institutional project execution.

End-to-End Responsibility

SSS provides a complete single-window solution covering:

- Consultation
- Feasibility

- Engineering
- Procurement
- Construction
- Commissioning
- Net metering support
- Financing facilitation
- Operations & maintenance

This integrated responsibility reduces coordination risk and gives clients one accountable partner throughout the project lifecycle.

Long-Term Support

SSS supports clients beyond installation through monitoring, preventive maintenance, performance audits, troubleshooting, warranty support, and system optimization.

This long-term approach helps protect the client's investment and ensures continued system performance.

Section 06 Summary

SSS's credibility is built on verified registrations, engineering credentials, manufacturer authorizations, financial partnerships, quality practices, and transparent project execution.

Through its compliance-driven approach and institutional readiness, Solar Supplies and Services Pvt. Ltd. continues to strengthen its position as a trusted solar EPC contractor and renewable energy infrastructure partner for Pakistan's growing energy needs.

SECTION 07

SUSTAINABLE FUTURE

Sustainability, ESG & Growth Vision

43. Sustainability Commitment

Solar Supplies and Services Pvt. Ltd. is committed to supporting Pakistan's transition toward cleaner, more reliable, and more sustainable energy.

As electricity demand continues to grow across industries, businesses, public infrastructure, agriculture, and residential communities, renewable energy has become essential for long-term national progress. Solar energy offers a practical path toward reducing pressure on conventional power sources while helping organizations control energy costs and improve environmental responsibility.

At SSS, sustainability is not treated as a separate activity. It is built into the purpose of every project we design and execute.

Every solar system we deliver helps clients move toward:

- Lower dependence on conventional electricity
- Reduced energy costs
- Improved operational efficiency
- Cleaner power generation
- Long-term energy security
- More responsible infrastructure development

Our role is to make renewable energy practical, scalable, and financially accessible for clients across Pakistan.

44. Environmental Impact

Solar energy creates measurable long-term value by reducing dependence on fossil-fuel-based electricity and supporting cleaner power generation.

For industrial, commercial, municipal, agricultural, cold storage, defense, and residential clients, solar adoption helps create both financial and environmental benefits.

Clean Energy Contribution

Through its project portfolio, SSS contributes to the growth of clean energy capacity in Pakistan. The company's current project record shows a total capacity of **21.833 MW**, reflecting a growing contribution toward renewable energy adoption across multiple sectors.

Carbon Reduction Potential

Every solar system installed reduces reliance on conventional electricity sources and supports lower carbon emissions over the system lifecycle.

Exact carbon reduction figures should be calculated separately for the final designed profile based on:

- Installed capacity
- Annual generation estimate
- Grid emission factor
- Project location
- System performance ratio

Until exact calculations are finalized, the profile should communicate environmental impact in a responsible and qualitative way.

Reduced Grid Dependency

Solar power helps clients generate electricity on-site, reducing dependence on grid supply and improving energy resilience.

This is especially valuable for:

- Industrial facilities
- Cold storage businesses
- Municipal infrastructure
- Commercial buildings
- Agricultural operations
- Public-sector facilities

Long-Term Environmental Benefits

Solar energy systems support:

- Cleaner electricity generation

- Lower operational emissions
- Reduced fossil fuel dependency
- Better energy efficiency
- Sustainable business operations
- National renewable energy development

Through every project, SSS contributes to a cleaner and more energy-secure Pakistan.

45. Strategic Growth Vision

SSS is focused on strengthening its role as a future-ready energy infrastructure partner.

The renewable energy sector is evolving beyond conventional solar installations. Clients now require smarter, more integrated, and more financially viable energy systems. Future energy solutions will combine solar power, battery storage, hybrid infrastructure, digital monitoring, financing models, and long-term O&M support.

SSS is preparing for this next stage of growth.

Future Focus Areas

Utility-Scale Solar

SSS aims to expand its capability in larger solar power projects that support industrial zones, public infrastructure, and institutional energy requirements.

Battery Energy Storage

Energy storage will play an important role in improving backup capability, peak load management, and energy independence. SSS will continue to develop storage-ready and hybrid solutions for clients with advanced energy needs.

Hybrid Energy Systems

Hybrid systems allow solar, grid, and battery storage to work together for improved reliability. SSS sees hybrid energy as a key part of future energy infrastructure.

Smart Monitoring

Digital monitoring helps clients track generation, detect issues, improve maintenance, and optimize system performance. SSS will continue adopting smart monitoring solutions as part of its long-term service model.

Industrial Decarbonization

Industries are under increasing pressure to reduce energy costs and environmental impact. SSS is positioned to support industrial clients through solar power, energy audits, efficiency planning, and long-term renewable energy strategies.

Public Infrastructure Solarization

Municipal bodies, government buildings, public services, and community infrastructure can benefit significantly from solar energy. SSS aims to support public-sector solarization through structured EPC execution and financial facilitation.

Long-Term O&M Services

As more solar systems are installed, long-term performance management becomes critical. SSS will continue strengthening its O&M services to help clients maintain system efficiency, safety, and return on investment.

Financially Enabled Solar Projects

SSS's banking and financing relationships remain one of its strongest advantages. The company's existing profile highlights partnerships with major financial institutions for leasing, LC, bank guarantees, and running finance support, helping clients overcome the initial investment challenge.

46. Closing Page

Let's Power Pakistan's Future Together

Solar Supplies and Services Pvt. Ltd. is committed to building a cleaner, stronger, and more energy-secure future for Pakistan.

Through engineering excellence, reliable execution, Tier-1 technology partnerships, financial support, and long-term service commitment, SSS continues to deliver solar energy solutions that help clients reduce costs, improve efficiency, and contribute to sustainable development.

From industrial facilities and commercial buildings to municipal infrastructure, cold storage businesses, agricultural operations, defense projects, and residential communities, our mission remains clear:

To deliver renewable energy solutions that perform today and create value for the future.

Contact Information

Solar Supplies and Services Private Limited

Building # 18, Block K, Johar Town, Lahore, Pakistan

Phone: +92-423-5307040 | +92-317-4205660

Email: solarssco@gmail.com

Call to Action:

Let's Power Your Future Together.