



روشن گھر - روشن سندھ



Vol: 05- Karachi Region

SOJHRO

سو جھرو

**Bringing the Dawn Indoors:
Shaping Sindh's Solar Revolution.**

S – Sindh ,
O – Off/On Grid,
J – Journey of Light,
H – Homes ,
R – Roshan Resilience,
O – Overcoming the Darkness



Phone
+7156271820

Website
<https://srso.org.pk>

Office
SRSO Complex Shikarpur
Road Sukkur, Sindh

سُوجھرو SOJHRO

SOLAR PANEL
MOUNTING
STRUCTURE/FRAME

INTEGRATED CHARGE
CONTROL UNIT
WITH BATTERY & MOBILE
CHARGING PORT

01 SOLAR PV PANEL
(180 Watt Peak)

01 BLDC PEDESTAL FAN
(18 inches, 25 Watts)

03 LED ENERGY
EFFICIENT BULBS
(5 WATTS EACH)





روشن سنڌ، خوشحال گهر — 275,000 مفت سولر هوم سسٽم

سنڌ حڪومت جو سولر توانائي منصوبو



سنڌ جي 30 ضلعن ۾ غريب گهرن
کي 275,000 سولر هوم سسٽم
(SHS) ڪٽس جي فراهمي

132,000 آف گرڊ سولر هوم سسٽم

انهن غريب گهرن لاءِ جيڪي ڊورلڀن ۽ آف گرڊ علائقن ۾ رهن ٿا، جتي قومي بجلي
جو نظام موجود ناهي، ۽ جن جو BISP PMT اسڪيم 0 کان 20 آهي.

143,000 آن گرڊ سولر هوم سسٽم

انهن بجلي استعمال ڪندڙن لاءِ جيڪي قومي گرڊ سان ڳنڍيل آهن
ماهرار 0 کان 100 بولٽ بجلي استعمال ڪن ٿا.

توانائي تائين رسائي کي بهتر بنائڻ، بجلي جي خرچن ۾ گهٽتائي آڻڻ
صاف ۽ قابل تجديد توانائي جي استعمال کي هٿي ڏيڻ

03313289888 | 03001771193

توانائي کاتو، حڪومت سنڌ

عملدرآمد ڪندڙ: سنڌ رورل سپورٽ آرگنائيزيشن (سرسي)



SOLAR HOME SYSTEMS INITIATIVE

POWERING HOMES, EMPOWERING LIVES

The Solar Home Systems Initiative aims to provide reliable, affordable, and sustainable energy solutions to households through both on-grid and off-grid solar technologies, particularly targeting beneficiaries all across Sindh with a clear process of selection.



TARGETING 275,000 HOUSEHOLDS ACROSS SINDH

Project Brief: Solar Home Systems (On-Grid & Off-Grid) Initiative – Sindh

Background

Access to affordable, reliable, and sustainable energy remains a major challenge for many vulnerable households across Sindh, particularly in rural and underserved areas. To address this challenge, the Government of Sindh Energy Department has initiated Solar Home Systems (SHS) to provide clean energy solutions to poor and low-income households through both on-grid and off-grid areas. The initiative aims to improve household energy security, reduce dependence on conventional and costly energy sources, enhance livelihoods, and contribute towards climate resilience and environmental sustainability.

Under the initiative, a total of 275,000 Solar Home Systems will be distributed and installed across Sindh (30 Districts) through a transparent beneficiary selection and technology-based implementation mechanism.



Project Categories and Target Beneficiaries

Category	Target	Eligibility Criteria
Off-Grid & BISP PMT 0-20	132,000 households	- Households having no Electricity & living in areas where electricity grid connectivity is unavailable or unreliable. - Vulnerable households identified through BISP PMT score of 0-20. Beneficiaries without electricity connections.
On-Grid	143,000 households	Households connected to the national grid with average monthly electricity consumption of up to 100 electricity units as reflected in their electricity bills.

Note: The BISP PMT 0-20 category represents the poorest and most vulnerable households and forms a major focus group within the overall allocation of 275,000 systems.

Solar Home System Package

Each beneficiary household will receive a complete solar energy package designed to meet basic domestic energy requirements, including:

- 01 Solar PV Panel (180 Watt Peak)
- Integrated Charge Control Unit with Battery & Mobile Charging Port
- 01 BLDC Pedestal Fan (18 inches, 25 Watts)
- 03 LED Energy Efficient Bulbs (5 Watts each)
- Solar panel mounting structure/frame



The Solar Home Systems Initiative aims to provide reliable, affordable and sustainable energy solutions to households through both on-grid and off-grid solar technologies, particularly targeting beneficiaries of all areas (with a clear process of selection).

TARGETING 275,000 HOUSEHOLDS ACROSS SINDH

Project objectives

- Provide clean and renewable energy access to 275,000 households across Sindh.
- Reduce dependency on expensive conventional energy sources and lessen the financial burden on poor households.
- Improve quality of life through enhanced household lighting, comfort, communication, and productive use of energy.
- Promote climate change mitigation through increased use of renewable energy.

The project is being implemented through the Last Mile Distributor (LMD) approach, with Sindh Rural Support Organization (SRSO) as the Lead implementing partner in joint venture with technical firms. The implementation follows a transparent MIS-based process, beginning with household verification, CNIC validation, and GPS-based beneficiary registration. After approval of the beneficiary list, Solar Home System kits are received, inspected, and distributed through a barcode-based inventory tracking system. Technical firm teams carry out installation at households, provide user orientation, and upload geo-tagged installation evidence and handover records on the MIS. A dedicated call center and third-party verification mechanism ensure after-distribution support, quality assurance, and transparency, while payments for LMD are processed against MIS-verified completed installations.





روشن گھر - روشن سندھ



SOLAR HOME SYSTEMS INITIATIVE POWERING HOMES, EMPOWERING LIVES

The Solar Home Systems Initiative aims to provide reliable, affordable, and sustainable energy solutions to households through both on-grid and off-grid solar technologies, particularly targeting low-income areas across Sindh with a focus on electricity access.



TARGETING 275,000 HOUSEHOLDS ACROSS SINDH

Expected Impact

The Solar Home Systems Initiative will transform the lives of 275,000 vulnerable households across Sindh by providing affordable and clean electricity, improving living standards, reducing energy costs, and supporting education and livelihood opportunities.

The project will also contribute to carbon emission reductions and climate resilience. With the support of the international partner Convolar Pvt Ltd, and through alignment with Gold Standard methodologies, the Government of Sindh is pursuing registration of the project in the international carbon credit market to formally recognize its environmental benefits and unlock future climate financing opportunities.





روشن گھر - روشن سندھ



V-I-S-I-O-N

Village Innovation Sustaining Individual Opportunities Nationwide

- **V – Village-Level Clean Innovation:** Replacing hazardous open-flame kerosene lamps with modern, standalone 180W Solar PV infrastructure.
- **I – Interrupted Nighttime Studies Restored:** Enabling children to continue their education long past sunset under bright, flicker-free LED lighting.
- **S – Safety & Indoor Respiratory Protection:** Eliminating toxic soot and persistent fire hazards from enclosed family quarters.
- **I – Integrated Home Connectivity:** Providing direct USB mobile charging to keep the family seamlessly connected to healthcare, markets, and emergency services.
- **O – Overcoming Climate Heatwaves:** Deploying an 18-inch BLDC energy-efficient pedestal fan for quiet, restorative thermal relief during sweltering nights.
- **N – New Foundations of Family Dignity:** Ending daily fuel expenditures and restoring self-reliance, security, and long-term hope.



"For years, our evenings ended when the sun disappeared behind the hills. Darkness filled our home, and our children struggled to study while we relied on costly candles and kerosene lamps. The day this solar system was installed, our home became brighter, cooler, and filled with hope. It has changed our daily life in ways we never imagined."

– Waqar

Village Hashim Gabol, located in Union Council Darsano Chano of Taluka Gadap, is one of the rural settlements where access to reliable electricity has long remained a major challenge for many families. For years, Waqar's household depended on kerosene lamps and candles for lighting after sunset. These traditional sources of light were expensive, produced harmful smoke, increased the risk of accidental fires, and provided poor illumination for basic household tasks.

A turning point came when the Government of Sindh's Solar Home Systems (SHS) Initiative, implemented on the ground through the Sindh Rural Support Organization (SRSO), reached Village Hashim Gabol. Following rigorous field verification and beneficiary validation, Waqar's household was selected for targeted clean-technology deployment. The installed package included a high-efficiency 180-Watt Peak Solar PV Panel, a lithium battery storage unit, three bright 5W LED bulbs, an 18-inch BLDC energy-efficient pedestal fan, and an integrated USB mobile charging facility. Today, the family enjoys bright, clean lighting, improved thermal comfort during hot summer nights, and convenient mobile charging right at home. Children can study after sunset without straining their eyes, household chores continue safely past dusk, and the family no longer depends on smoky oil lamps.

Beyond improving immediate living conditions, the solar system has restored confidence and dignity to the household. Clean and renewable energy has eliminated costly daily fuel purchases while creating a healthier, safer, and far more productive lifestyle for Waqar and his family.

"Energy access is an undeniable catalyst for social mobility and human dignity. For families like Waqar's in Gadap, a 180W solar home system represents much more than infrastructure—it acts as an educational gateway for children, a protective shield against indoor pollution, and an economic lifeline. By replacing darkness and smoke with self-sustaining solar power, this intervention proves that green energy is the fastest route to empowering off-grid rural communities."

A Brighter Future: The story of Waqar from Village Hashim Gabol reflects the core purpose of the Government of Sindh's Solar Home Systems Initiative. By bringing clean and renewable energy to underserved rural communities, the project is improving health, reducing household expenses, enhancing educational opportunities, and strengthening climate resilience across District Malir.

C-L-A-R-I-T-Y

Clean Lighting Advancing Rural Innovation & Transforming Youth

- **C – Clean Indoor Health:** Eradicating toxic kerosene fumes and open-flame fire hazards to protect family respiration and household safety.
- **L – Lowering Household Expenses:** Halting the continuous drain on limited income spent on candles, fuel wicks, and commercial phone charging.
- **A – Active Thermal Relief:** Supplying steady indoor airflow with an 18-inch BLDC pedestal fan during severe summer heatwaves.
- **R – Renewable Off-Grid Autonomy:** Harnessing a high-efficiency 180W Solar PV panel and smart lithium battery storage for 24/7 power independence.
- **I – Illuminated Learning Pathways:** Enabling children to study safely past sunset under bright, flicker-free LED lighting without eye strain.
- **T – Telecom & Digital Access:** Integrating home-based USB mobile charging to keep communication lines open with emergency services and markets.
- **Y – Youth & Family Dignity:** Replacing rural darkness with lasting comfort, educational growth, and long-term hope.
- **Beneficiary: Abdul Jabbar**
- **Location: Village Abdul Rahman Jokhio, Steel Town, District Malir, Karachi Division**
- **Household Profile: Low-Income Off-Grid Rural Household**

In the rural periphery of Steel Town, District Malir, Village Abdul Rahman Jokhio has long stood beyond the reach of the city's power grid. For Abdul Jabbar and his family, dusk was not merely a transition of the clock—it was a daily boundary that dictated how they lived, worked, and rested. Every evening, as darkness settled over their settlement, the household turned to kerosene wicks and candles to keep the night at bay.

"For many years, we accepted darkness as a part of our daily life. Once the sun set, our children could no longer study, and our family struggled through the hot nights without electricity. Receiving this Solar Home System has given us more than light—it has given us comfort, hope, and the confidence that our future can be brighter."
– Abdul Jabbar

This reliance on traditional fuel wicks brought a constant, silent burden. The dim, flickering glow offered barely enough light for basic household tasks, while filling closed living quarters with thick smoke that stung the eyes and irritated young lungs. During Sindh's intense summer months, the hardship intensified indoors. Trapped inside unventilated, heat-soaked rooms without a single breeze, the family endured oppressive, restless nights that turned sleep into a struggle rather than a recovery from long hours of manual labor. For Abdul Jabbar's children, the absence of light meant an early end to their education each day. As darkness enveloped their home, homework had to be abandoned, limiting their academic ambitions and locking the family into a cycle where opportunity faded with the sun.

C-L-A-R-I-T-Y

Clean Lighting Advancing Rural Innovation & Transforming Youth



A defining turning point arrived when the Government of Sindh's Solar Home System (SHS) Initiative, implemented on the ground by the Sindh Rural Support Organization (SRSO), reached Village Abdul Rahman Jokhio. Through field verification and beneficiary validation, Abdul Jabbar's household was identified as a priority for clean-energy deployment.

The intervention delivered an integrated, off-grid clean-energy package designed for total household autonomy: a high-efficiency 180-Watt Peak Solar PV panel mounted on the roof, an intelligent lithium-battery charge unit, three energy-saving 5W LED bulbs, an 18-inch energy-efficient BLDC pedestal fan, and a multi-port USB charging facility.

The day the system was powered on, the atmosphere inside Abdul Jabbar's home shifted completely. The three high-lumen LED bulbs instantly flooded their living quarters with crisp, clean light, banishing dark corners and eliminating the toxic smoke of open-flame fuel lamps. For the first time, evening routines could be carried out in safety, comfort, and good health.

The impact extended far beyond mere illumination. The 18-inch BLDC pedestal fan brought long-awaited thermal relief, circulating cool air through sweltering summer nights and allowing the entire family to finally rest peacefully. With integrated USB charging now available right in their living room, Abdul Jabbar no longer had to spend time or money traveling to nearby commercial hubs just to keep a basic mobile phone operational.

Most importantly, the new light transformed the future for the youngest members of the household. Free from eye strain and smoky air, the children now gather around a bright table every night after sunset, reading and completing their schoolwork with enthusiasm.

"Energy access is the bedrock upon which health, education, and human dignity are built. For Abdul Jabbar and his family in Steel Town, a 180W solar home system represents far more than an assembly of panel, battery, and fan—it is an educational lifeline for his children, a shield against indoor pollution, and a quiet restorer of hope. By replacing darkness and extreme heat with self-sustaining solar power, this intervention proves that green technology is the fastest route to uplifting vulnerable rural communities."

Abdul Jabbar's journey stands as a testament to the core vision of the Government of Sindh's Solar Home System Initiative. By taking high-efficiency, climate-resilient energy straight to off-grid settlements in District Malir, the project is replacing fuel dependence with self-reliance, opening educational doors for youth, and building safer, cooler, and more empowered homes across rural Sindh.

S-P-A-R-K

Sustainable Energy, Protection & Safety, Advancing Education, Resilient Households & Keeping Families Connected

S – Sustainable Energy: Delivering clean, self-generating solar electricity to replace grid independence across daily domestic routines.

P – Protection & Safety: Replacing hazardous kerosene fuel lamps and open-flame hazards with bright, non-polluting LED lighting.

A – Advancing Education: Enabling children to comfortably study after sunset without eye strain or respiratory damage.

R – Resilient Households: Slashing energy expenditures on candles and battery vendors while introducing thermal airflow for extreme summer heat.

K – Keeping Families Connected: Providing integrated USB mobile phone charging directly at home to maintain uninterrupted communication links.

Beneficiary: Lal Deen

Location: Village Abdul Rahman Jokhio, Steel Town, District Malir, Karachi

Household Profile: Low-Income Off-Grid Rural Household

"Before this solar system arrived, our family planned every evening around darkness. We used candles only when absolutely necessary, and the summer heat made it difficult to sleep. Today, our home is brighter, our children study comfortably, and we feel secure knowing that clean energy is lighting our future."

– Lal Deen

In the rural periphery of Steel Town, District Malir, Village Abdul Rahman Jokhio sits entirely outside the reach of the traditional power grid. For Lal Deen and his family, daily existence was dictated strictly by the movement of the sun. The arrival of dusk meant that indoor life was forced to slow down or halt entirely. Essential chores were carried out under the dim, flickering light of kerosene lamps and costly candles—sources of illumination that produced poor light while filling unventilated living quarters with toxic soot and presenting constant fire hazards.

During Karachi's oppressive summer season, the lack of electricity transformed nights into an exhausting trial. Without a single fan to circulate air through their home, heat remained trapped indoors, making proper rest after long days of manual work nearly impossible. Furthermore, simple necessities like keeping a basic mobile phone powered meant taking frequent trips to commercial hubs and paying extra for battery charging—a continuous drain on limited family earnings.

One day, an SRSO official Team reached at my doorstep for the Government of Sindh's Solar Home System (SHS) Project for field verification and household validation; Lal Deen's family was prioritized for clean-technology deployment.

Impact Story # 03

S-P-A-R-K

Sustainable Energy, Protection & Safety, Advancing Education, Resilient Households & Keeping Families Connected

The intervention delivered a complete, self-sustaining off-grid energy system tailored for total domestic reliability:

- 180-Watt Peak Solar PV Panel for high-efficiency daily solar generation.
- Intelligent Lithium Battery Storage Unit providing steady power reserve long past dusk.
- Three Energy-Efficient 5W LED Bulbs delivering bright, hazard-free illumination.
- 18-inch BLDC Energy-Efficient Pedestal Fan offering low-wattage, high-airflow cooling relief during sweltering nights.
- Integrated Multi-Port USB Mobile Charging Facility ensuring constant home-based connectivity.

Restoring Dignity and Opportunity

The installation instantly reshaped daily life inside Lal Deen's household. The bright LED lighting eliminated shadow-filled rooms and toxic fuel soot, creating a safe, healthy environment for late-evening family activities. The children no longer had to rush through their homework before sunset; they can now sit comfortably every night, reading under clean light that protects their vision and supports their educational ambitions.

The high-efficiency BLDC pedestal fan brought crucial relief during intense heatwaves, ensuring peaceful, restorative sleep for the entire family. Meanwhile, home-based USB charging eliminated unnecessary travel expenses and time lost, keeping Lal Deen effortlessly connected to local markets, healthcare, and relatives.

"Clean energy is far more than technical infrastructure—it is the foundational spark for human dignity, safety, and ambition. For Lal Deen and his family in Steel Town, a 180W solar home system represents freedom from dark isolation, protection against oppressive heat, and a permanent bridge to educational opportunity. By replacing toxic fuel smoke with clean solar power, this intervention demonstrates how targeted green technology transforms rural lives from the inside out."

Lal Deen's success story illustrates the overarching vision of the Government of Sindh's Solar Home System Initiative. By taking reliable, renewable technology directly to underserved off-grid communities across District Malir, the program is reducing financial burdens, safeguarding health, expanding youth education, and building a cleaner, more resilient rural Sindh.



G-R-O-W

Green Energy, Resilient Living, Opportunities for Progress & Well-being Enhanced



- **G – Green Energy:** Promoting clean, renewable, and environmentally friendly solar electricity to eliminate dependence on fossil fuel wicks.
- **R – Resilient Living:** Empowering families to cope with off-grid power shortages and endure extreme summer heatwaves through energy-efficient fan cooling.
- **O – Opportunities for Progress:** Supporting children's nighttime education and enabling safe, productive evening household activities past dusk.
- **W – Well-being Enhanced:** Improving overall household comfort, indoor air safety, economic savings, and long-term quality of life.

- **Beneficiary:** Sudher Ahmed
- **Location:** Village Abdul Rahman Jokhio, Steel Town, District Malir, Karachi Division
- **Household Profile:** Low-Income Off-Grid Rural Household

"Life without reliable electricity made every evening a challenge for our family. The solar system has changed that completely. Our home is brighter, our children can study peacefully, and we finally enjoy cool, comfortable nights. This project has brought convenience, security, and new hope to our future."

– Sudher Ahmed

Breaking the Cycle of Off-Grid Hardship

In Village Abdul Rahman Jokhio, located along the rural outskirts of Steel Town in District Malir, access to grid-connected electricity had long remained out of reach. For Sudher Ahmed and his family, sunset brought an immediate halt to daily home productivity. Every evening, the family relied on traditional candles and open-flame kerosene lamps to light their living space.

These fuel wicks placed a continuous financial and physical strain on the household. The dim illumination made simple domestic tasks difficult, while filling closed rooms with toxic smoke that irritated young lungs and posed constant fire risks. During the sweltering summer months in Karachi's rural belt, indoor rooms trapped intense heat overnight. Without fans to circulate air, the family endured oppressive nights that made proper rest after long working hours nearly impossible. Furthermore, basic mobile phones—vital for emergency contact and daily communication—required frequent trips to distant commercial centers just to pay vendors for battery charging, draining both time and limited income.

Impact Story # 04

G-R-O-W

Green Energy, Resilient Living, Opportunities for Progress & Well-being Enhanced

Empowering Rural Families Through Clean Energy

A lasting solution arrived through the Government of Sindh's Solar Home System (SHS) Project, implemented on the ground by the Sindh Rural Support Organization (SRSO). Following thorough field verification and household validation, Sudher Ahmed's family was selected to receive a complete standalone solar power package.

The installed intervention equipped the home with a complete clean-tech system including a high-efficiency 180-Watt Peak Solar PV panel mounted on the roof, an intelligent lithium battery storage unit for reliable nighttime power reserves, three energy-saving 5W LED bulbs for bright indoor light, an 18-inch BLDC pedestal fan for low-wattage cooling relief, and an integrated multi-port USB charger enabling free, convenient mobile charging at home.

A Transformation Rooted in Well-being

The installation immediately transformed the rhythm of daily life inside Sudher Ahmed's home. The three high-lumen LED bulbs flooded their living quarters with clean, flicker-free light, banishing dark shadows and eliminating harmful fuel smoke.

The impact on the family's daily routines was immediate. The children gather comfortably around a lit table every evening to study peacefully without eye strain or health hazards. The high-efficiency BLDC pedestal fan brought crucial relief during intense summer heatwaves, allowing the entire family to enjoy cool, restful nights. Meanwhile, the integrated USB port keeps their mobile phones powered directly from home, eliminating extra travel costs and keeping Sudher Ahmed seamlessly connected to local markets, emergency services, and relatives.

"Sustainable energy access is the cornerstone of household resilience and family health. For Sudher Ahmed in Steel Town, a 180W solar home system represents far more than hardware—it is a catalyst for education, thermal comfort, and economic security. Replacing toxic fuel wicks with clean solar power proves that green technology directly restores dignity and opportunity to off-grid rural communities."

Sudher Ahmed's experience highlights the meaningful impact of the Solar Home System Project in rural District Malir. By bringing clean, self-sustaining energy to underserved families, the Government of Sindh and SRSO are reducing financial burdens, safeguarding family health, unlocking youth potential, and empowering rural households to build a safer, brighter future.

Impact Story # 05

N-U-R-T-U-R-E

New Urban-Rural Renewable Technology Uplifting Residential Empowerment

- **N – New Clean Infrastructure:** Harnessing a high-efficiency 180W Solar PV panel and lithium battery unit to bring 24/7 energy independence.
- **U – Uplifting Household Health:** Eradicating dangerous kerosene fumes and open-flame hazards from indoor living quarters.
- **R – Respiratory & Thermal Comfort:** Circulating cool air via an 18-inch BLDC pedestal fan during oppressive summer heatwaves.
- **T – Time & Financial Savings:** Halting continuous cash outflow spent on candles, fuel wicks, and commercial phone charging vendors.
- **U – Uninterrupted Nighttime Studies:** Providing bright, flicker-free LED lighting so children can study comfortably after sunset without eye strain.
- **R – Rural Digital Access:** Enabling direct, home-based USB mobile phone charging to keep the household connected to community networks.
- **E – EmPOWERed Family Dignity:** Restoring daily safety, peace of mind, and hope for off-grid rural women and their families.

Beneficiary: Amna

Location: Village Abdul Rahman Jokhio, Steel Town, District Malir, Karachi Division

Household Profile: Low-Income Off-Grid Rural Household

"Before receiving the Solar Home System, every evening was difficult for our family. Preparing meals, helping the children with their studies, and completing household work in dim light was exhausting. Today, our home is brighter, safer, and more comfortable. This project has brought real happiness and confidence into our lives."

– Amna

Overcoming the Everyday Struggle of Off-Grid Living

In Village Abdul Rahman Jokhio, situated along the rural outskirts of Steel Town in District Malir, access to reliable electricity remained out of reach for Amna and her family for many years. Domestic routines after sunset relied entirely on candles and open-flame kerosene lamps. Preparing evening meals, managing kitchen chores, and navigating unlit rooms required constant effort under dim, flickering wicks.

This dependency placed a persistent physical and financial strain on the household. The kerosene wicks produced toxic soot that irritated eyes, compromised indoor respiratory health, and presented constant fire hazards near children. During Sindh's intense summer months, the hardship escalated. Without electricity to power a cooling fan, heat remained trapped inside closed rooms overnight, causing exhaustion and restless sleep for the entire family. Furthermore, keeping a basic mobile phone powered required extra time and transportation money to reach commercial charging setups in neighboring areas.

Impact Story # 05

N-U-R-T-U-R-E

New Urban-Rural Renewable Technology Uplifting Residential Empowerment

A New Light for Every Evening

A permanent solution arrived through the Government of Sindh's Solar Home System (SHS) Project, implemented on the ground by the Sindh Rural Support Organization (SRSO). Following thorough field verification and beneficiary validation, Amna's household was selected to receive a complete clean-energy package.

The installed system provided total domestic power autonomy through a high-efficiency 180-Watt Peak Solar PV panel mounted on the roof, an intelligent lithium battery storage unit for uninterrupted nighttime power, three energy-saving 5W LED bulbs, an 18-inch BLDC pedestal fan for energy-efficient cooling, and an integrated USB mobile charging port.

Restoring Dignity, Ease, and Hope

The installation immediately transformed the environment inside Amna's home. The bright LED bulbs flooded their living quarters with crisp, flicker-free light, banishing dark corners and completely eliminating dangerous kerosene smoke. Domestic activities like cooking and cleaning can now be performed with ease and complete safety long after sunset.

The intervention brought immense relief to the household's health and education. Amna's children no longer strain their eyes under dim fuel wicks; they gather comfortably every evening around a brightly lit table to complete their homework and reading. The high-efficiency BLDC pedestal fan provides essential thermal relief during sweltering summer nights, allowing the family to rest peacefully. Meanwhile, home-based USB charging eliminates unnecessary travel costs, keeping the family seamlessly connected to emergency services and community networks.

"Energy access is fundamentally a restorer of daily comfort, safety, and human dignity. For Amna and her family in District Malir, a 180W solar home system represents far more than technology—it is a vital pillar supporting domestic well-being, healthy lungs, and youth education. By replacing smoky flames with clean solar power, this intervention demonstrates that green energy directly transforms the lives of rural women and their families."

Amna's story reflects the transformative mission of the Government of Sindh's Solar Home System Initiative. By delivering clean, self-sustaining energy straight to off-grid communities across District Malir, the project is reducing household expenses, safeguarding health, enhancing educational growth, and creating a brighter, more resilient future for families throughout Sindh.



Impact Story # 06

U-P-L-I-F-T

Urban-Rural Power Leveraging Innovation For Transformation

U – Urban-Rural Clean Energy Bridge: Deploying standalone 180W Solar PV infrastructure to close the energy divide in off-grid rural settlements.

P – Protection & Respiratory Safety: Eliminating hazardous kerosene lamps and open flames to create a smoke-free indoor environment.

L – Lowering Energy Expenditures: Slashing recurring family expenses spent on candles, fuel wicks, and commercial phone charging.

I – Illuminated Learning Pathways: Enabling children to study comfortably in the evening under flicker-free LED lighting without eye strain.

F – Fan-Powered Thermal Comfort: Providing immediate relief with an 18-inch BLDC pedestal fan during oppressive summer heatwaves.

T – Telecom & Family Dignity: Keeping communication devices charged directly at home to strengthen connectivity, security, and independence.

- **Beneficiary:** Khadim Hussain
- **Location:** Village Abdul Rahman Jokhio, Steel Town, District Malir, Karachi Division
- **Household Profile:** Low-Income Off-Grid Rural Household



"For years, we lived with limited lighting and difficult summer nights. This Solar Home System has completely transformed our daily routine. Our home is now bright, our children can study with confidence, and our family enjoys a healthier and more comfortable life. This support has given us hope for a better future."
– Khadim Hussain

Overcoming Decades of Darkness and Heat

In Village Abdul Rahman Jokhio, situated along the rural outskirts of Steel Town in District Malir, access to grid electricity remained an ongoing struggle for Khadim Hussain and his family. For years, the setting sun marked an abrupt end to household activity. Daily domestic work after dusk depended entirely on open-flame kerosene lamps and candles.

Living without power created constant challenges for the household. The flickering fuel wicks cast dim shadows, making basic evening chores difficult while releasing toxic smoke that stung the eyes and threatened indoor respiratory health. During the intense summer months, the lack of electricity was especially punishing. With heat trapped inside their unventilated home, sweltering nights made proper rest nearly impossible after long hours of daily labor. Additionally, keeping a basic mobile phone powered meant taking frequent trips to distant commercial centers and paying extra fees, adding an unnecessary strain to their tight family budget.

Sustainable Energy Delivering a Bright New Chapter

A permanent turning point occurred when the Government of Sindh's Solar Home System (SHS) Project, implemented on the ground by the Sindh Rural Support Organization (SRSO), reached Village Abdul Rahman Jokhio. Following thorough field verification and household validation, Khadim Hussain's family was selected to receive a complete standalone solar energy package.

The installed system provided full domestic power autonomy through a high-efficiency 180-Watt Peak Solar PV panel mounted on the roof, an intelligent lithium battery storage unit for uninterrupted nighttime power, three energy-saving 5W LED bulbs, an 18-inch BLDC pedestal fan for low-wattage cooling relief, and an integrated USB mobile charging facility.

A Lasting Transformation for the Whole Family

The installation brought an immediate shift in daily life inside Khadim Hussain's home. The three high-lumen LED bulbs instantly brightened their living space, banishing dark corners and completely eliminating hazardous kerosene soot. Evening routines can now be conducted in total safety and comfort.

Impact Story # 06

U-R-B-A-N

Urban Resilience Bridging Affordable Night-Energy

U – Urban Grid Stabilization: Offloading essential household lighting from an over-strained metropolitan utility grid.

R – Respite for Industrial Labor: Providing immediate physical comfort and rest for a factory worker returning from long, grueling shifts.

B – Budget Protection: Shielding low-wage urban workers from rising municipal tariff spikes and secondary battery expenses.

A – Academic Continuity: Ensuring children can complete evening studies despite sudden industrial district power cuts.

N – Nighttime Domestic Safety: Illuminating urban living quarters to prevent household accidents and allow evening meal preparation.

Beneficiary: Abdul Kareem

Father's Name: Hazar Khan

CNIC: 42401-2458695-7

Contact: 0312-2299917

Occupation: Private Factory Worker

District: Karachi Keamari, Sindh

"After spending long hours in the factory, coming home to an unannounced power blackout was exhausting for me and my family. The children couldn't study, and simple household chores became a major struggle. Receiving this solar system on July 27 changed everything—our home stays lit, and our daily worries about load shedding are over."

– Abdul Kareem

In District Keamari, an industrial hub of Karachi, urban load shedding routinely disrupts family life during peak evening hours. For Abdul Kareem, a private factory worker earning a modest wage to support his household, chronic power cuts turned his brief hours of evening rest into a source of stress.

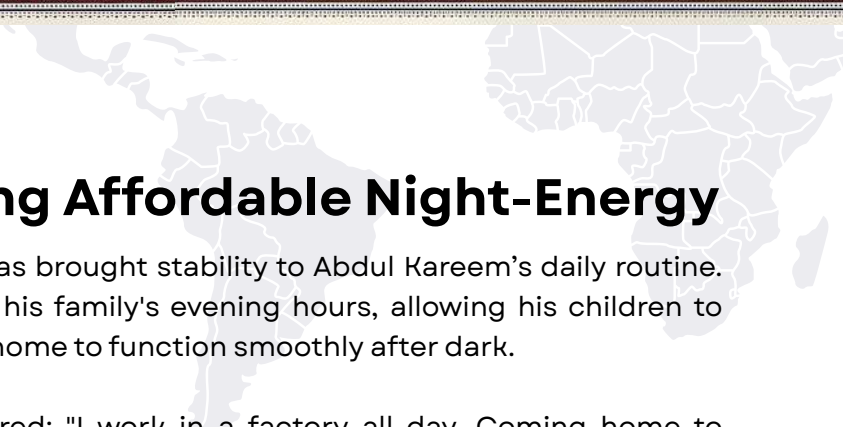
After long shifts of physical labor, returning to a pitch-black home made basic rest impossible. The lack of reliable light severely hindered his children's ability to focus on schoolwork, while his family struggled to manage cooking, cleaning, and navigation inside tight urban quarters. Purchasing a costly commercial generator or a high-end UPS unit was far beyond his household budget.

Solar Clean-Tech Integration

To mitigate the impact of urban grid failures, the Government of Sindh deployed a standalone Solar Home System to Abdul Kareem's residence on July 27, 2026.

The hardware intervention provides immediate energy autonomy:

- Rooftop Solar PV Module optimized to harvest solar energy during daytime peak hours.
- Dedicated Energy Storage Unit reserving clean power to bridge extended evening load shedding seamlessly.
- High-Lumen LED Luminaires delivering uniform, flicker-free light across study areas and living rooms.
- Multi-Port Charging Hub keeping mobile communication devices active at home without relying on the main grid.



Impact Story # 06

U-R-B-A-N

Urban Resilience Bridging Affordable Night-Energy

The deployment of the Solar Home System has brought stability to Abdul Kareem's daily routine. Unannounced power cuts no longer disrupt his family's evening hours, allowing his children to study under proper lighting and enabling his home to function smoothly after dark.

Expressing his gratitude, Abdul Kareem shared: "I work in a factory all day. Coming home to darkness and load shedding was very tough for my family. Since we received the solar system, we now have light at home, and our daily problems are solved. I am very thankful to the Sindh Government for providing this support to working families like ours."

"Energy reliability is directly linked to urban working-class dignity. For Abdul Kareem's family in Karachi Keamari, decentralized solar technology does not merely replace grid electricity—it guarantees that a hard day's labor is met with a comfortable, brightly lit home."

Strengthening Working-Class Communities in Sindh.

Abdul Kareem's experience highlights the expanding reach of the Sindh Government Solar Home System initiative. By delivering off-grid solar tools to industrial workers and urban households across District Keamari, the program continues to relieve grid pressure, protect low-income family budgets, and improve the overall standard of living across Karachi.



Impact Story # 07

S-U-N-S-H-I-N-E

Safe Homes, Uplifting Lives, New Learning Opportunities, Sustainable Energy, Healthier Living, Improved Connectivity, Nurturing Resilience & Empowering Communities

S – Safe Homes: Providing bright, hazard-free LED lighting to protect the household from open-flame fire risks.

U – Uplifting Lives: Improving daily indoor comfort, routine productivity, and overall family well-being.

N – New Learning Opportunities: Supporting children's education past sunset under clear, eye-strain-free lighting.

S – Sustainable Energy: Replacing expensive traditional fuel wicks and candles with self-generating solar power.

H – Healthier Living: Eliminating toxic soot from kerosene lamps to dramatically improve indoor air quality.

I – Improved Connectivity: Enabling convenient multi-port USB mobile phone charging directly at home.

N – Nurturing Resilience: Helping off-grid families adapt to harsh climate conditions and energy deficits with reliable power.

E – Empowering Communities: Restoring long-term confidence, dignity, and self-reliance through sustainable clean technology.

- **Beneficiary:** Imam Bux
- **Location:** Village Abdul Rahman Jokhio, Steel Town, District Malir, Karachi Division
- **Household Profile:** Low-Income Off-Grid Rural Household

"The greatest change this solar system has brought to our home is peace of mind. Our evenings are no longer limited by darkness, our children can study comfortably, and our family enjoys cool nights without worrying about expensive fuel or unreliable lighting. This support has truly improved our quality of life."

– Imam Bux

Breaking the Cycles of Uncertainty and Heat

For years, life in Village Abdul Rahman Jokhio, located along the rural margins of Steel Town in District Malir, was governed by the setting sun. For Imam Bux and his family, dusk meant transitioning to dim, unreliable, and hazardous lighting sources. Basic household tasks required navigating dark quarters using flickering candles and open-flame kerosene lamps. This reliance on fossil fuels created a persistent physical and financial strain. Kerosene smoke settled heavily inside unventilated rooms, irritating young eyes and posing constant respiratory risks. During the oppressive summer months, the hardship intensified. Trapped inside heat-soaked living quarters without electricity to power a cooling fan, the family endured sleepless, suffocating nights. Additionally, keeping basic mobile devices operational required taking frequent trips outside the village to pay commercial charging vendors, draining both limited income and valuable time.

Clean Energy Bringing New Opportunities

A transformative turning point arrived when an SRSO official reached my doorstep for the Government of Sindh's Solar Home System (SHS) Project, implemented by the Sindh Rural Support Organization (SRSO).

Following field verification and beneficiary validation, Imam Bux's household was prioritized for clean-energy deployment. The intervention delivered a complete standalone solar package engineered for off-grid domestic autonomy: a high-efficiency 180-Watt Peak Solar PV panel, an intelligent lithium battery storage unit for reliable nighttime electricity, three energy-saving 5W LED bulbs, an 18-inch BLDC pedestal fan for low-wattage cooling relief, and an integrated USB charging facility.

Impact Story # 07

S-U-N-S-H-I-N-E

Safe Homes, Uplifting Lives, New Learning Opportunities, Sustainable Energy, Healthier Living, Improved Connectivity, Nurturing Resilience & Empowering Communities

A Lasting Foundation for Family Dignity

The system's installation immediately reshaped daily life inside Imam Bux's home. The high-lumen LED lights flooded their living spaces with bright, flicker-free illumination, banishing shadows and eliminating toxic kerosene fumes once and for all. Evening routines are now conducted in complete safety, ease, and comfort.

The change has profoundly benefited the household's health, education, and economic stability. Imam Bux's children now gather comfortably every night to complete their schoolwork without eye strain or smoke inhalation. The energy-efficient BLDC pedestal fan provides essential thermal relief during sweltering heatwaves, allowing the family to enjoy peaceful, restorative rest. Meanwhile, home-based USB charging eliminates unnecessary travel expenses, keeping the family seamlessly connected to community networks and emergency services.

"True peace of mind begins when basic human needs—like light, clean air, and thermal comfort—are reliably met. For Imam Bux and his family in District Malir, a 180W solar home system is far more than clean technology; it is a restorer of dignity, an educational launchpad for his children, and a shield against environmental hardships. Replacing toxic fuel wicks with self-sustaining solar power proves that green technology is the most effective path toward resilient rural development."

The experience of Imam Bux demonstrates the meaningful impact of the Solar Home System Project in transforming rural households across District Malir. By providing clean, dependable, and sustainable energy, the Government of Sindh and SRSO are enhancing educational opportunities, safeguarding family health, reducing household expenses, and empowering rural families to build a safer, brighter future.



Impact Story # 08

E-M-P-O-W-E-R

Economic Micro-Support Providing Optimal Worker Energy Resilience

E – Economic Relief for Wage Earners: Eliminating secondary lighting costs and reducing monthly utility bill pressure for low-wage domestic workers.

M – Mitigating Double-Shift Fatigue: Ensuring a domestic helper returning from caring for other homes finds a functional, well-lit domestic environment.

P – Protecting Family Budgets: Halting the continuous drain on daily income spent on emergency candles, battery swaps, and mobile charging fees.

O – Overcoming Urban Load-Shedding: Shielding dense metropolitan living spaces in Aram Bagh from sudden, multi-hour power cuts.

W – Work-Life Balance & Efficiency: Allowing evening cooking, cleaning, and household tasks to be completed safely and without delay after work hours.

E – Educational Stability for Children: Guaranteeing uninterrupted LED light so children can study for school every evening.

R – Renewed Dignity & Security: Restoring domestic stability, safety, and comfort to working-class women managing dual responsibilities.

Beneficiary: Shahmima

Husband's Name: Aziz Ur Rehman

CNIC: 42301-8892612-0

Contact: 0315-2360887

Occupation: House Worker / Domestic Helper

Location: Aram Bagh, Saddar Town, District South, Karachi, Sindh

"I spend my entire day working in other people's houses to support my family. Coming back to my own home in total darkness made managing my domestic chores and my children's studies nearly impossible. Receiving this solar system on July 4 changed everything—our home stays brightly lit, our electricity burden is lifted, and my daily worries are solved."

– Shahmima

In Aram Bagh, a dense commercial and residential locality within Saddar Town, Karachi South, frequent load-shedding and soaring utility tariffs severely impact working-class families. For Shahmima, a domestic helper who works long hours in multiple residences to keep her household afloat, electricity shortages added an overwhelming layer of hardship to her daily life.

After completing demanding physical labor in other households, Shahmima returned home to face pitch-black living quarters, rising energy bills, and unannounced power outages. Managing basic domestic responsibilities—such as preparing dinner, cleaning, and overseeing her children's homework—became an exhausting ordeal in the dark. Purchasing a costly commercial backup system or generator was entirely out of reach for her tight monthly budget.

To relieve the burden on urban working women, the SRSO Technical Team deployed a complete Solar Home System package to Shahmima's residence on July 04, 2026.

The clean-energy hardware intervention provides immediate domestic autonomy:

- Rooftop Solar PV Module engineered to harvest daytime solar radiation across Karachi's urban roofscape.
- Dedicated Energy Storage Unit reserving clean power to seamlessly bridge prolonged evening load-shedding.
- High-Lumen, Low-Wattage LED Luminaires delivering constant, flicker-free light across kitchen and study areas.
- Multi-Port USB Charging Interface allowing phone charging directly at home without relying on third-party vendors.

Impact Story # 08

E-M-P-O-W-E-R

Economic Micro-Support Providing Optimal Worker Energy Resilience

The installation of the Solar Home System has transformed Shahmima's residence into a dependable, well-lit haven. Unannounced blackouts no longer freeze her evening domestic tasks, her children study comfortably under bright lighting, and her family is protected from secondary lighting expenses.

Expressing her sincere appreciation, Shahmima shared:

"I work in people's homes to run my own household. Earlier, the lack of electricity at night made life very difficult. After receiving the solar system, now we have light at home and our problems are solved. I am very grateful to the Sindh Government for extending this life-changing support to working women like me."

"Energy access is deeply intertwined with women's empowerment and economic dignity. For Shahmima's family in Karachi's urban core, decentralized solar technology does not merely replace grid power—it honors her hard work by ensuring that the person who brings comfort to other households returns to a bright, safe, and dignified home of her own."

Empowering Working Communities across Karachi

Shahmima's experience demonstrates the tangible human impact of the Sindh Government Solar Home System project. By delivering reliable, zero-cost solar infrastructure to domestic workers and low-income families across Karachi South, the program continues to ease urban energy poverty, safeguard household income, and uplift working-class communities across Sindh.



D-A-I-L-Y

Decentralized Access Illuminating Laborers' Yearnings

D – Direct Wage Protection: Eliminating secondary spending on candles, batteries, and kerosene that eroded volatile daily earnings.

A – Autonomous Off-Grid Utility: Delivering zero-cost, self-sustaining rooftop power that bypasses Karachi's chronic industrial-zone load-shedding.

I – Illuminated Home Operations: Allowing evening meal preparation, indoor navigation, and family chores to be completed safely after dusk.

L – Learning Continuity for Children: Providing steady, flicker-free LED light so children can study without academic delays or eye fatigue.

Y – Yielding Stability for Laborers: Restoring rest, dignity, and peace of mind to a daily wage worker returning from grueling physical labor.

- **Beneficiary:** Ghulam Shabir
- **Father's Name:** Allah Dino Laghari
- **CNIC:** 45304-6585486-7
- **Contact:** 0319-8364808
- **Occupation:** Daily Wage Laborer
- **Location:** District Keamari, Karachi, Sindh

"Earning a living on daily wages is already an uncertain battle, and coming home to pitch darkness made life even harder for my family. We couldn't cook properly, and my children struggled to study. Receiving this solar system on July 27 resolved our daily struggle—our home stays brightly lit, and a huge burden has been lifted from my shoulders."

– Ghulam Shabir

In District Keamari, a sprawling industrial and maritime hub of Karachi, severe load-shedding routinely plunges low-income neighborhoods into darkness during peak evening hours. For Ghulam Shabir, a daily wage laborer whose income fluctuates based on work availability, chronic power cuts turned basic domestic survival into an ongoing strain.

After enduring long hours of heavy manual labor, returning to an unlit home meant his family had to navigate cooking and domestic chores in complete darkness. His school-age children were unable to complete their homework, while purchasing temporary lighting fuels or disposable batteries created a continuous cash drain on his modest daily earnings. With a budget barely sufficient for basic groceries, buying a commercial UPS or generator was out of the question.

To relieve the burden on vulnerable urban wage earners, the SRSO technical Team deployed a complete Solar Home System package to Ghulam Shabir's residence.

The hardware deployment provides immediate clean-energy autonomy:

Rooftop Solar PV Module engineered to capture daytime solar energy across Keamari's dense urban roofscape. Dedicated Energy Storage Unit reserving clean electricity to seamlessly power the home through long evening outages. High-Lumen, Low-Wattage LED Luminaires flooding living quarters, study areas, and kitchens with clear, reliable light. Integrated Multi-Port USB Charging Interface allowing phone charging directly at home without third-party vendor fees.

D-A-I-L-Y

Decentralized Access Illuminating Laborers' Yearnings

The installation of the Solar Home System has transformed Ghulam Shabir's home into a bright, self-sufficient haven. Unannounced power cuts no longer disrupt his family's evening routine; his children study comfortably under proper lighting, and his hard-earned daily wages are preserved for essential family needs.

Expressing his deep gratitude, Ghulam Shabir shared:

"Running a household on daily wages is difficult, and on top of that, darkness and load shedding at night. After receiving the solar system, now we have light at home, and our problems are solved. I am very grateful to the Sindh Government."

"Energy security is directly tied to economic survival and working-class dignity. For Ghulam Shabir's family in Karachi Keamari, decentralized solar technology does not merely replace grid power—it stops the erosion of daily wages and guarantees that an honest day's labor is met with a comfortable, brightly lit home."

Ghulam Shabir's experience highlights the vital reach of the Sindh Government Solar Home System project. By delivering zero-cost, reliable solar infrastructure to daily wage laborers and low-income families across Karachi Keamari, the program continues to eliminate urban energy poverty, protect household income, and build lasting community resilience across Sindh.



A-C-T-I-V-E

Activist Community Transformation Illuminating Volunteer Engagement

A – Activist Operational Continuity: Enabling uninterrupted civic work, resident advocacy, and administrative planning past sunset.

C – Community Hub Empowerment: Transforming a grassroots activist's residence into a illuminated gathering space for evening local meetings.

T – Tariff & Load Relief: Bypassing chronic local grid outages without adding costly utility overheads to community-driven work.

I – Illuminated Domestic Management: Streamlining routine household tasks, meal times, and family needs while managing volunteer duties.

V – Vital Communication Security: Maintaining charged mobile devices to coordinate rapid community outreach and emergency civic response.

E – Exemplary Civic Impact: Serving as a visible local model for clean renewable energy adoption across the neighborhood.

Beneficiary: Sajjad Hussain

Father's Name: Din Muhammad

CNIC: 42401-8466009-5

Date of Birth: November 30, 1975

Profile: Community Social Activist

"Being active in community work means my day doesn't end when the sun sets. I often host neighbors, organize local welfare tasks, and manage civic issues well into the night. Before receiving solar power, frequent load shedding brought everything to a halt and made household life equally challenging. The solar system installed on July 27 resolved these obstacles—our home stays lit, my family is comfortable, and I can serve my community without interruption."

– Sajjad Hussain

For Sajjad Hussain, a dedicated social activist born in 1975, serving his community is a full-time commitment that extends far into the evening hours. Neighborhood organizing, resident advocacy, and civic problem-solving often require active work after standard working hours.

However, chronic power outages and persistent load shedding severely hindered both his public service and private family life. Unannounced blackouts disrupted evening neighborhood discussions, made reading and drafting community petitions difficult, and forced his household to navigate domestic routines in darkness. Lacking dedicated commercial power backups, managing civic responsibilities while keeping his home functional became an uphill battle.

Solar Clean-Tech Integration

A-C-T-I-V-E

Activist Community Transformation Illuminating Volunteer Engagement

Recognizing the vital role community leaders play in local resilience, the Government of Sindh provided a complete Solar Home System package to Sajjad Hussain's residence on July 27, 2026, through the SRSO team with technician to install and showcase the real things.

The clean-tech infrastructure deployment includes:

- High-Efficiency Rooftop Solar PV Module harvesting clean solar energy during daytime peak hours.
- Dedicated Battery Storage Unit storing reserve energy to guarantee smooth, uninterrupted evening power.
- High-Lumen, Low-Wattage LED Luminaires providing bright, reliable lighting across living quarters and meeting areas.
- Integrated Multi-Port USB Charging Hub keeping mobile communication devices online for continuous community coordination.

The deployment of the Solar Home System has transformed Sajjad Hussain's home into a reliable base for both family life and community action. Power cuts no longer derail neighborhood consultations or domestic activities, allowing him to balance volunteer service with household well-being seamlessly.

Expressing his gratitude, Sajjad Hussain shared: "Being socially active means I am often working for the community even in the evenings. Before solar, load shedding made everything difficult. Now with the solar system, our home has light and we can manage our work easily. I am very grateful to the Sindh Government for this support."

"Empowering community organizers creates a multiplier effect. For Sajjad Hussain, decentralized solar energy does not merely light a private residence—it powers the civic engine of an entire neighborhood, ensuring that those who work to solve community problems have the infrastructure they need to succeed."

Sajjad Hussain's experience illustrates the broader societal benefit of the Sindh Government Solar Home System project. By equipping local leaders, social workers, and active citizens with zero-cost renewable power, the initiative continues to strengthen local governance, improve household welfare, and drive sustainable development across the province.



Impact Story # 11

S-E-C-U-R-E

Solar Energy Chanting Urban Resilience for Essential Workers

S – Safe Household Off-Hours: Ensuring that while Sajid guards others at night, his own family remains safe and illuminated at home.

E – Essential Shift Recovery: Providing a well-lit, ventilated, and peaceful home environment so he can rest effectively after long overnight guard duties.

C – Cost-Effective Autonomy: Eliminating secondary spending on disposable batteries, kerosene, and external mobile charging fees.

U – Urban Grid Independence: Bypassing local load-shedding schedules without adding expensive utility fees to a modest monthly salary.

R – Reliable Mobile Connectivity: Keeping mobile phones continuously charged so he can stay in touch with his family during late-night security shifts.

E – Educational & Operational Relief: Allowing his family to complete evening domestic chores and schoolwork without lighting delays.

- **Beneficiary: Sajid Hussain**
- **Father's Name: Manzoor Hussain**
- **CNIC: 42401-5466561-3**
- **Date of Birth: June 13, 2002**
- **Occupation: Private Security Guard**

"My job keeps me stationed outside guarding other people and facilities most of the night. Knowing that my own family was sitting in complete darkness during power cuts was extremely stressful. Since we received the solar kit on July 27, our home stays brightly lit, my family feels secure, and my daily worries are solved." – **Sajid Hussain**

For Sajid Hussain, a young security guard born in 2002, earning a steady monthly salary means enduring long, tiring overnight shifts. While his profession centers on providing security and vigilance for others, his own family faced routine vulnerability due to chronic local load shedding.

During his late-night shifts, Sajid's family had to manage living quarters in complete darkness, making basic domestic chores and night-time navigation hazardous. Dead mobile phone batteries frequently cut off communication between Sajid and his family during his guard duties, adding constant anxiety to his long work hours. Furthermore, returning home after exhausting night shifts to an unlit, unventilated house made proper rest nearly impossible. To relieve the burden on essential security personnel, the SRSO Technicain Team deployed a complete Solar Home System package to Sajid Hussain's residence on July 27, 2026. The clean-energy deployment includes:

- High-Efficiency Rooftop Solar PV Module capturing daytime solar energy across urban roofscapes.
- Dedicated Battery Storage Unit reserving clean energy to power the home seamlessly through the night.
- High-Lumen, Low-Wattage LED Luminaires providing steady, flicker-free light across living rooms and kitchens.
- Integrated Multi-Port USB Charging Hub guaranteeing continuous mobile phone charging so Sajid and his family stay connected 24/7.

Impact Story # 11

S-E-C-U-R-E

Solar Energy Chanting Urban Resilience for Essential Workers

The installation of the Solar Home System has brought true peace of mind to Sajid Hussain's household. Power cuts no longer leave his family in darkness, phone communication remains uninterrupted during his overnight shifts, and he can return home to a comfortable, well-lit residence to rest.

Expressing his sincere gratitude, Sajid Hussain shared: "My job keeps me out most of the night. Coming home to darkness was very hard. Since getting the solar kit, we now have light at home, and our problems are solved. I am very thankful to the Sindh Government for providing this support to workers like me."

"Energy access is deeply bound to personal safety and mental peace. For Sajid Hussain, a young guard dedicated to securing the property of others, decentralized solar energy ensures that his own home remains a safe, brightly lit sanctuary for his family while he works."

Supporting Essential Workers Across Sindh: Sajid Hussain's experience highlights the meaningful scope of the Sindh Government Solar Home System project. By providing clean, zero-cost solar infrastructure to essential security personnel and working-class families, the initiative continues to eliminate energy vulnerability, safeguard household well-being, and strengthen communities across the province.



Impact Story # 12

C-A-R-E

Compassionate Access Relieving Elderly-Care Hardship

C – Caregiving Accessibility: Enabling continuous, reliable LED lighting to attend to an elderly, paralyzed mother throughout the night without delay.

A – Autonomous Off-Grid Infrastructure: Delivering immediate solar power to remote, un-electrified hilly settlements lacking municipal utility coverage.

R – Respiratory & Thermal Relief: Running energy-efficient cooling fans during harsh summer nights to ensure restful, safe sleep for vulnerable family members.

E – Economic Security for Laborers: Halting the constant drain on daily wages previously spent on temporary lighting fuels, batteries, and external mobile charging.

Beneficiary: Mohammad Aslam

Father's Name: Allah Dino

Location: Mehran Goth (Ghabo Pat), District Keamari, Karachi, Sindh

Occupation: Daily Wage Laborer

"Before receiving solar power, we couldn't even turn on a light at night to check on my paralyzed mother. I felt helpless as a son. Having a solar system in our home has completely changed our lives. For the first time, my mother can sleep with a light on beside her. This system is not just electricity for us—it is dignity, comfort, and peace of mind."

– Mohammad Aslam

In the remote, hilly terrain of Mehran Goth (Ghabo Pat), basic infrastructure remains severely limited. For Mohammad Aslam, a daily wage laborer supporting his wife, children, and elderly paralyzed mother, living in a total off-grid zone turned essential elder care into a daily struggle.

In addition to coping with fluctuating daily wages and a lack of clean drinking water, the family lived in pitch darkness after sunset. Caring for an immobilized parent requires constant attention, night-time monitoring, and a safe, well-lit environment. In total darkness, attending to his mother was fraught with difficulty and hazard. During oppressive summer heatwaves, the lack of indoor ventilation caused severe physical distress for his bedridden mother, while purchasing temporary lighting fuels placed an unsustainable burden on his low daily income.

To address the severe hardship in this un-electrified settlement, the SRSO Technician Team deployed by installing complete kit at his home.

The off-grid solar hardware package includes:

High-Efficiency Rooftop Solar PV Module engineered to generate clean energy in isolated, hilly terrains.

Dedicated Long-Life Battery Storage Unit storing power during the day for uninterrupted nighttime use.

High-Lumen LED Luminaires providing steady, glare-free light across study rooms and elderly care areas.

Energy-Efficient DC Fan delivering continuous cooling relief during oppressive summer nights.

Integrated Multi-Port Charging Hub enabling home-based mobile phone charging for constant communication.

Impact Story # 12

C-A-R-E

Compassionate Access Relieving Elderly-Care Hardship

The installation of the Solar Home System marked a turning point for Mohammad Aslam's household. Reliable indoor lighting now allows him to care for his paralyzed mother safely at all hours of the night, while continuous fan operation provides vital thermal comfort during hot weather.

Overcome with emotion, Mohammad Aslam shared: "Before solar, we could not even turn on a light at night to check on my mother. I felt helpless as a son. Today, that struggle has ended. For the first time, my mother can sleep with a light on beside her. This solar system is not just electricity for us—it is dignity and comfort."

He expressed his gratitude to the project operators: "This initiative by the Government of Sindh and SRSO is bringing real change to families living in off-grid areas. The solar kit means hope, health, and a brighter future for my children."

"Clean energy is a foundational element of human dignity and compassionate healthcare. For Mohammad Aslam's family in remote Mehran Goth, decentralized solar power does far more than illuminate a residence—it empowers a devoted son to care for his paralyzed mother with dignity, safety, and respect."

Reaching Underserved Communities Across Sindh: Mohammad Aslam's experience demonstrates the life-changing potential of Sindh's off-grid solar initiative. By delivering self-sustaining clean energy to remote, un-electrified settlements across District Keamari, the Government of Sindh and SRSO continue to eradicate energy poverty, support home care for vulnerable patients, and restore dignity to deserving families across the province.



Impact Story # 13

D-R-I-V-E

Decentralized Resilience Increasing Vocation & Earning Stability

D – Direct Wage Protection: Eliminating forced downtime during technical trade repairs to protect daily take-home earnings.

R – Resilient Productivity: Unlocking continuous, uninterrupted working hours past sunset for evening mechanical repairs.

I – Income Optimization: Bypassing commercial battery-charging costs and generator fuel expenses that erode small business profits.

V – Vocation Uplift: Enabling a skilled mechanic to maintain steady workflow, build customer trust, and complete work orders on time.

E – Economic Stability for Families: Translating reliable solar power into predictable household income and long-term financial security.

- **Beneficiary:** Bahar Ali
- **Father's Name:** Ikramullah
- **Occupation:** Workshop Mechanic
- **Location:** Shireen Jinnah Colony, District South, Karachi, Sindh



"When power outages hit Shireen Jinnah Colony, my tools went quiet, work got delayed, and my daily earnings took a direct hit. A mechanic cannot afford lost hours. Having solar power has completely transformed my routine—I can work through the entire day without disruption, take on more repair jobs, and support my family much better."

– Bahar Ali

In Shireen Jinnah Colony, a busy transport and repair hub in Karachi South, mechanical workshops form the lifeblood of local livelihoods. For Bahar Ali, a hardworking mechanic supporting a low-income household, time directly equals income. Every vehicle repair requires continuous focus, power tools, and proper lighting.

However, frequent urban load-shedding and unannounced power blackouts routinely paralyzed his trade. Work orders were delayed, customers were left waiting, and his daily take-home pay shrank. Furthermore, attempting to complete delicate mechanical repairs in dim, unlit surroundings posed safety hazards and reduced overall work quality. Purchasing a commercial generator or high-capacity backup system was completely out of reach for his modest working budget.

To protect working-class livelihoods and support skilled tradespeople, the SRSO financial assistance of Government of Sindh provided Bahar Ali with a complete Solar Home System package. The clean-tech infrastructure deployment provides immediate operational independence:

- High-Yield Rooftop Solar PV Module harvesting maximum daylight across Karachi's coastal urban landscape.
- Dedicated Energy Storage Unit reserving clean electricity to bridge prolonged local power outages seamlessly.
- High-Lumen, Low-Wattage LED Luminaires providing bright, clear visibility for precise mechanical work and tool management after dusk.
- Integrated Multi-Port USB Charging Hub keeping mobile communication devices online to take customer calls without interruption.

Impact Story # 13

D-R-I-V-E

Decentralized Resilience Increasing Vocation & Earning Stability

The installation of the Solar Home System marked an immediate turnaround for Bahar Ali's daily operations. Power cuts no longer derail repair deadlines or force early shutdowns. By maintaining continuous workflow, he has boosted his daily output, improved customer satisfaction, and stabilized his household budget.

Expressing his sincere appreciation, Bahar Ali shared: "Earlier, due to power outages, my work was delayed, and earnings were low. Now with solar, I can work the whole day and manage my household expenses better. This project is a great support for people like us."

"Energy access is the ultimate catalyst for small-business productivity. For Bahar Ali in Shireen Jinnah Colony, decentralized solar power does not merely light a room—it keeps a skilled worker's hands moving, protects his hard-earned income, and turns clean energy into true economic self-reliance."

Bahar Ali's success highlights the economic core of the Sindh Government Solar Home System project. By delivering zero-cost, reliable solar infrastructure to skilled mechanics, tradespeople, and low-income families across Karachi South, the program continues to eliminate urban energy poverty, safeguard small business income, and drive sustainable economic growth across the province.



I-M-P-A-C-T

Illuminating Metropolitan Participation & Activist Community Transition

I – Interruption-Free Civic Operations: Enabling late-night community documentation, welfare planning, and meeting execution without utility blackouts.

M – Mobile & Digital Connectivity: Keeping communication devices continuously charged to coordinate rapid youth outreach and local emergency response.

P – Professional Technical Deployment: Benefiting from transparent SRSO assessment, rigorous verification, hands-on user training, and complete system installation.

A – Autonomous Night-Energy: Bypassing Karachi South's severe urban load-shedding schedules to keep community welfare work moving forward.

C – Community Gathering Security: Providing steady LED lighting so local residents and youth volunteers can meet safely after working hours.

T – Transformativeness for Youth: Serving as an actionable model of clean energy resilience for young social leaders across urban Sindh.

Beneficiary: Anas Ur Rehman

Location: Street 2, Burns Road, District South, Karachi, Sindh

Occupation: Community Social Activist

"Working for community welfare means my hours naturally extend deep into the night. Before receiving solar support, sudden load shedding brought everything to a standstill—we couldn't draft documents, charge our phones, or host late meetings. The professional assessment, guidance, and installation by the SRSO team changed everything. Now, the electricity tension is completely gone."

– Anas Ur Rehman

Burns Road, located in the bustling urban heart of Karachi South, is a vibrant neighborhood where community interaction and civic organizing run late into the evening. For Anas Ur Rehman, a dedicated young social activist, evening hours are essential for conducting resident meetings, organizing youth welfare projects, and managing community documentation.

However, chronic metropolitan load shedding routinely disrupted his grassroots efforts. Unannounced power cuts left meeting spaces in total darkness, drained essential communication devices needed for local coordination, and delayed important administrative work. For a young activist operating on limited resources, purchasing commercial power backups was financially unfeasible, leaving community welfare projects at the mercy of an unreliable power grid.

To support grassroots civic leadership, the Sindh Rural Support Organisation (SRSO), under the renewable energy initiative of the Government of Sindh, selected Anas Ur Rehman through a structured, multi-stage process. The comprehensive technical deployment included:

- **Field Assessment & Verification:** Comprehensive on-site evaluation by SRSO officers to verify genuine community need and optimal installation conditions.
- **High-Yield Rooftop Solar PV Module:** Engineered for maximum daytime energy harvesting in dense urban rooftop environments.
- **Long-Life Energy Storage Unit:** Securing reliable, clean power reserve for uninterrupted late-night community work.
- **High-Lumen, Low-Wattage LED Luminaires:** Delivering bright, flicker-free light across working desks and community meeting spaces.
- **Integrated Multi-Port Charging Hub:** Ensuring continuous phone and device connectivity for activist coordination.
- **Technical Training & Guidance:** Hands-on operational training provided by the SRSO technical team for proper system management and longevity.

I-M-P-A-C-T

Illuminating Metropolitan Participation & Activist Community Transition



The deployment of the Solar Home System has transformed Anas Ur Rehman's residence into an uninterrupted hub for youth advocacy and neighborhood welfare. Power outages no longer stall civic documentation or late-night community strategy sessions.

Expressing his appreciation, Anas Ur Rehman shared:

"With solar, the tension of electricity is over. I can now work for my community even at night. This project is a great gift for youth and social workers. I am deeply thankful to the SRSO technical team for their thorough verification, guidance, training, and complete installation."

"Empowering young social activists yields compound interest for society. For Anas Ur Rehman in Burns Road, decentralized solar technology does not merely illuminate a home—it powers the civic engine of a neighborhood, proving that when public initiatives equip youth leaders with clean infrastructure, entire communities thrive."

Strengthening Community Leadership Across Sindh

Anas Ur Rehman's experience demonstrates the civic reach of the Sindh Government and SRSO solar deployment strategy. By combining rigorous field verification and technical training with clean energy infrastructure, the project continues to eliminate urban energy poverty, empower youth leadership, and drive sustainable development across urban centers in Sindh.

Impact Story # 15

S-E-R-V-E

Solar Energy Restoring Vitality & Efficiency for School Support Staff

S – School Duty Readiness: Guaranteeing proper nighttime rest and physical recovery so Shoukat can arrive fully prepared for his daily school support duties.

E – Essential Thermal Comfort: Powering low-wattage DC cooling fans to relieve oppressive urban heat during nighttime utility blackouts.

R – Resilient Urban Off-Grid Power: Bypassing chronic load-shedding schedules in Karachi South without adding costly utility overheads.

V – Vital Mobile Connectivity: Keeping personal and family communication devices charged continuously at home without third-party fees.

E – Economic Protection for Low-Wage Staff: Stopping recurring household cash leaks previously spent on temporary lighting fuels, batteries, and emergency workarounds.



- **Beneficiary: Shoukat Ghouri**
- **CNIC: 42301-1066232-1**
- **Occupation: Lower Staff at a Private School**
- **Location: Abadi Emery Ward, District South, Karachi, Sindh**

"Working long hours as school support staff requires energy and focus every single day. Coming home to an unlit, sweltering house made resting nearly impossible and turned basic domestic work into a daily struggle. Receiving this solar system from SRSO and the Sindh Government changed our lives—our home stays brightly lit, cool, and peaceful, letting us live with dignity."

– Shoukat Ghouri

In Abadi Emery Ward, located within Karachi South, severe urban load-shedding routinely disrupts working-class families during peak evening hours. For Shoukat Ghouri, lower support staff at a private school, earning a modest monthly salary means managing tight household finances while ensuring he is rested and ready to manage demanding daily school duties.

However, unannounced utility blackouts turned his off-shift hours into a physical strain. Returning home to darkness made cooking, cleaning, and basic indoor mobility hazardous for his family. During hot summer nights, the lack of indoor ventilation caused sleeplessness and exhaustion, directly affecting his well-being and productivity at work. Furthermore, maintaining charged mobile phones for emergency communication required constant effort. With a tight fixed income, purchasing commercial generators or high-end UPS backups was financially out of reach.

To support low-wage institutional workers and protect household living conditions, the Government of Sindh, in partnership with the Sindh Rural Support Organisation (SRSO), deployed a complete Solar Home System to Shoukat Ghouri's residence.

The hardware intervention provides complete domestic energy autonomy:

- High-Efficiency Rooftop Solar PV Module engineered to harvest maximum daylight across Karachi's dense urban roofscape.
- Long-Life Energy Storage Battery Unit reserving clean power to seamlessly run appliances through extended nighttime blackouts.

Impact Story # 15

S-E-R-V-E

Solar Energy Restoring Vitality & Efficiency for School Support Staff

High-Lumen, Low-Wattage LED Luminaires delivering uniform, flicker-free light across kitchen, study, and living spaces.

- Energy-Efficient DC Cooling Fan offering immediate thermal relief and steady airflow during peak summer heat.
- Integrated Multi-Port USB Charging Interface enabling free, home-based mobile device charging for continuous family connectivity.

The installation of the Solar Home System brought immediate stability to Shoukat Ghouri's home. Unannounced outages no longer halt evening domestic tasks; his family rests comfortably under continuous fan cooling, and his monthly income is protected from secondary emergency lighting expenses.

Expressing his gratitude, Shoukat Ghouri shared: "Earlier we had a lot of problems at night due to no electricity. It was hard to rest and manage household work. Now with solar, our home is bright and peaceful. This project is very helpful for working people like us. Thank you, Sindh Government and SRSO, for bringing light and peace into our lives."

"Institutional support staff form the backbone of educational environments. For Shoukat Ghouri in Karachi South, decentralized solar technology does not merely replace grid power—it guarantees that a dedicated worker can return home to rest, recharge, and live with health and dignity."

Uplifting Working-Class Communities Across Sindh: Shoukat Ghouri's experience highlights the meaningful human impact of the Sindh Government and SRSO Solar Home System initiative. By providing clean, self-sustaining renewable infrastructure to low-income working families across District South, the program continues to eradicate urban energy poverty, protect low-wage household budgets, and foster long-term community resilience.

Shahid Jamshed Welfare Organization Chairman





Mr. Habib Jadoon
District keamari





سندھ رورل سپورٹ آرگنائزیشن SINDH RURAL SUPPORT ORGANIZATION

SRSO- Monitoring, Evaluation & Research (MER) Unit
SRSO Complex, Main Shikarpur Road, Sukkur (Sindh), Pakistan

Compiled and Designed By: Naimatullah Sawand
Manager, Monitoring, Evaluation and Research)MER Unit Head Office, Sukkur, Sindh

