

30th

ANNUAL REPORT

2024 - 25

Decentralized Energy • Inclusive Impact



Annual 2024-25 Report

SELCO

Solar Light Private Limited

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Impact Echoes



Laxmi

Dharwad, Karnataka

Since switching to a solar-powered **chakli-making machine**, I'm now able to produce nearly 10 kilograms of chakli every day. The demand has grown so much that I often can't keep up with orders. What used to be physically tiring is now smooth and steady—no power cuts, no delays. This system has not only reduced my effort but also helped me grow my income. It's given me the confidence to think bigger and plan for more.

Satyanarayan HM

Government Primary School Ullur, Bellary



The **e-Shala** program has changed several things. Teachers now have simple access to all the teaching resources needed to explain any given chapter, including diagrams, maps, and even films. It is a blessing for learners who take their time. Concepts which were theoretical in the past, have now become practical. The teachers have all the teaching aids inside the classroom itself.



Rajesh Kattimuni

Medical Officer, PHC Karde

During surgeries, sudden power cuts caused panic. We had to scramble for a generator. Now, with SELCO's solar system, we have uninterrupted power. And vaccines need a constant temperature between 2-8°C. The solar backup ensures we don't lose them.

JOURNEY. PURPOSE. PROGRESS.

Pathways Through Renewal

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Powering Possibility: A Journey Across Three Decades

In 1995, driven by a belief in the transformative potential of decentralized solar energy, Dr. Harish Hande and Neville Williams founded SELCO Solar Light Pvt Ltd in Bengaluru. What began as an initiative to bring sustainable energy to underserved homes in Karnataka has since grown into a nationally recognized movement—impacting over two million lives across seven Indian states through energy access that is inclusive, adaptable, and enduring.

At its essence, SELCO is not merely a solar company—it is a catalyst for dignity and opportunity. Through carefully designed solar-powered livelihood tools, it addresses the daily realities of rural life: from blacksmith blowers and roti rollers to sugarcane juicers and tailoring machines. These solutions are not generic imports, but thoughtful responses to real needs—created by engaging deeply with the communities they serve.

As expressed in the *Bhagavata*: “ऊर्जा यथार्थं जीवनं परिवर्तयेत्” —when true energy aligns with the truth of life, transformation follows.

This philosophy is reflected in every village workshop that reopens under solar light, every health centre that reliably stores life-saving medicine, and every child who studies after sunset. Energy, here, is not an end in itself—it is the foundation of self-reliance.

SELCO’s work has received global recognition, including the prestigious Ashden Awards in 2005 and 2007, and most recently, the 2025 Outstanding Achievement Award. These honours are a testament to nearly three decades of inclusive innovation in energy access, climate resilience, and grassroots entrepreneurship.

Today, SELCO operates through a robust presence of over 50 branches and a committed team of more than 500 professionals. In collaboration with financial institutions, civil society organisations, and government agencies, SELCO continues to nurture systems that go beyond installation—ensuring that clean energy empowers not just today’s needs, but tomorrow’s growth.

A journey through decades of design, dignity, and decentralised energy—where the sun powers not just systems, but dreams.

THE YEAR UNFOLDS

Where Stories Meet Numbers

Annual 2024-25 Report





Milestones That Mattered

Performance Highlights from 2024-25 FY

From light in homes to power in fields, from solar-run classrooms to energised health centres—this report brings alive SELCO's impact across six vital verticals: Basic Energy Access, Backup Systems, Livelihoods, Education, Agriculture, and Community Interventions. FY 2024-25 wasn't just a year of growth—it was a year of deepened purpose, expanded reach, and lives transformed through sustainable energy.

Total Number of System Sold

7005

1397

Basic Energy Small

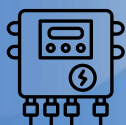


1613

Livelihood Systems

1310

Basic Energy Medium



1957

Water Heater

186

Institute



309

Community

233

Education



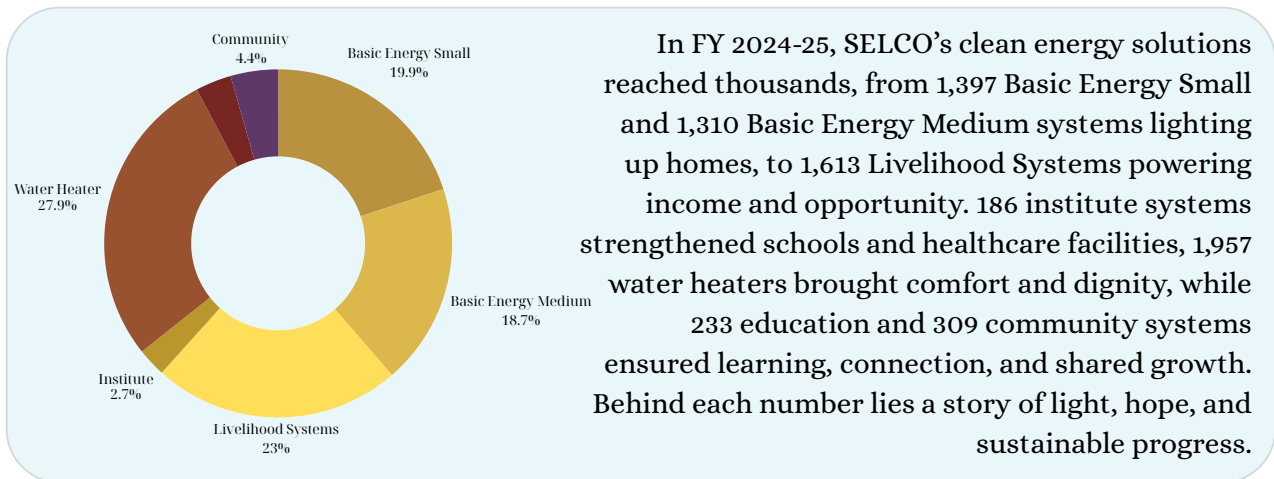
88

7892
Other Components

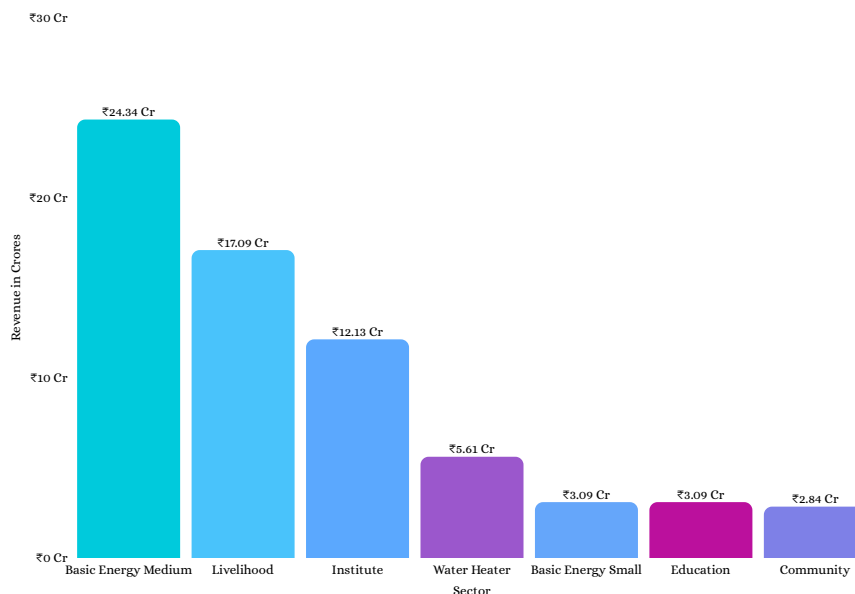


Vertical-wise Deployment in FY 2024–25

Each segment represents the number of systems deployed under key intervention areas.



Revenue Pulse: Mapping Impact Across Verticals



This year, Basic Energy Medium accounted for the largest share of revenue, contributing 35.69% (₹24.34 Cr) of the total. Livelihood Systems followed with 25.06% (₹17.09 Cr), empowering income generation and sustainable enterprises. Institutes contributed 17.79% (₹12.13 Cr), strengthening services in education and healthcare. Together, these three sectors represented nearly 79% of SELCO's revenue footprint for the year.

Water Heaters brought in 8.23% (₹5.61 Cr), delivering comfort and dignity to homes and institutions. Basic Energy Small and Education Systems each contributed 4.53% (₹3.09 Cr), ensuring affordable lighting and uninterrupted learning. Community Systems added 4.16% (₹2.84 Cr), energizing shared spaces and fostering social connection. Each contribution reflects SELCO's mission to create sustainable, inclusive impact.

Empowering Through Energy

Energy Associates FY 2024–25



Total Revenue Generated by EA: ₹17.49 Cr



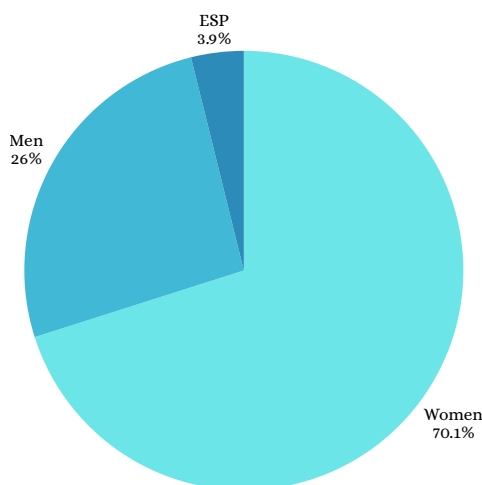
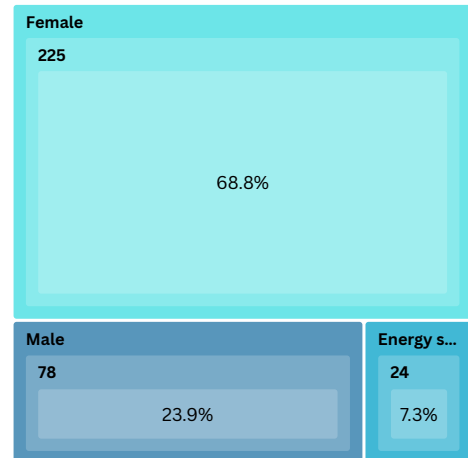
€1,924,202



\$2,099,130 USD

Across villages, towns and quiet corners of the country, 327 active Energy Associates stood as frontline changemakers — not just selling systems, but enabling livelihoods and lighting possibilities. This year, their reach went wider, their voices louder — especially the women Energy Associates, whose participation didn't just grow in numbers, but in impact. Their contributions are not just financial — they are foundational.

From one doorstep to another, Energy Associates became more than distributors — they became ambassadors of sustainable living, one system at a time.



SELCO has further deepened its commitment to gender equity by creating contractual employment opportunities for women within its Energy Associate network. Today, 70% of all EAs are women, a reflection of inclusive outreach and trust.

This empowerment is not symbolic — it's measurable. Women Energy Associates have been instrumental in driving adoption at the grassroots, contributing to over 70% of the total EA sales. Their growing presence is both a catalyst for progress and a testament to SELCO's belief in shared growth.

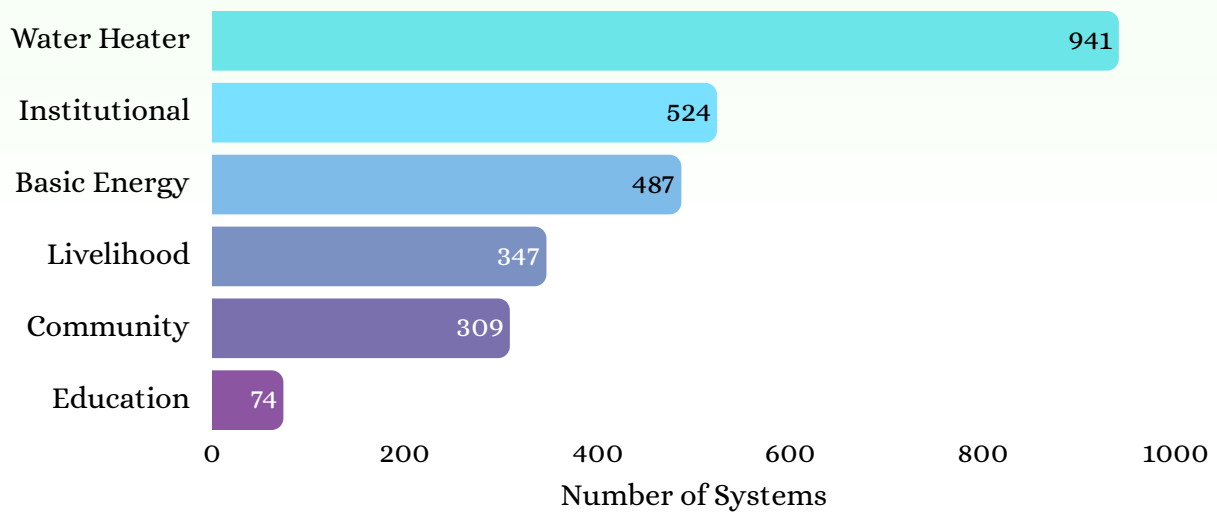
In 2024–25, women continued to lead the way in SELCO's grassroots outreach, with **84 new Women Energy Associates** joining our mission alongside 7 men and 5 ESPs. This remarkable participation reflects the growing role of women as change-makers in the clean energy sector. Their leadership is lighting paths to sustainable livelihoods and stronger communities.



Energy Associates at the Frontline of Impact

Tracking Category-Wise Contributions That Power Homes, Livelihoods, and Communities

Institutional systems and water heaters emerged as the most preferred offerings, with over 1,400 sales combined, showcasing strong demand for reliable energy and daily utility solutions. Basic energy and livelihood-related systems also saw significant traction, indicating that EAs are addressing both essential needs and income-generating opportunities. While community and education-based systems had relatively lower numbers, they reflect SELCO's commitment to long-term social infrastructure. This distribution confirms that EAs are not just vendors—they're key enablers of balanced, demand-driven energy adoption across sectors.



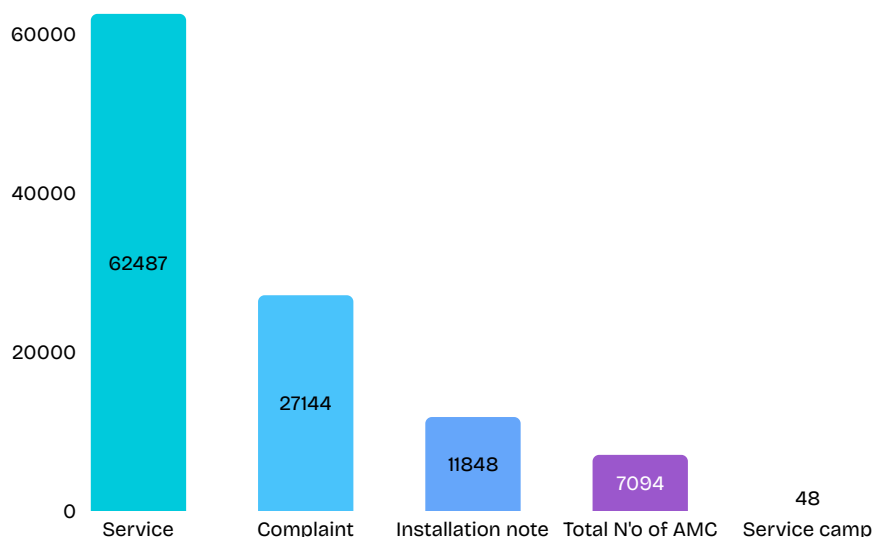
**Innovating beyond
electricity—fueling
progress through
sustainable energy
ecosystems**

Customer Support:

Bridging Systems and Trust

The Customer Support Department has been the invisible backbone behind every successful installation and satisfied user. From remote terrains to extreme weather, their teams have navigated every challenge with commitment and care—ensuring that each system not only works but thrives. Their presence on the ground transforms technology into trust, making every connection stronger and every solution last longer.

Customer support is not a cost center. It's the heart of every brand



CSD related data breakdown

We don't just maintain systems—we uphold the trust people place in the SELCO name.

परोपकाराय फलन्ति वृक्षाः

(Trees bear fruit for the benefit of others)



CSR Partnerships - Their Fund -> Our Responsibility

Corporate Social Responsibility (CSR) is more than a mandate—it's a bridge between business success and societal good. It represents a conscious choice by organizations to invest in long-term, inclusive development beyond commercial objectives. From education and health to energy access and livelihoods, CSR implementation lays the groundwork for equitable growth that reaches the last mile.

At SELCO, implementing CSR projects is not primarily treated as a revenue building activity—it is embedded in our core mission. We collaborate with CSR partners who share our vision of sustainability, decentralization, and dignity-driven interventions. These partnerships have enabled us to co-create models that empower communities—through solar-powered schools, energy-efficient health centres, and livelihood-driven innovations.

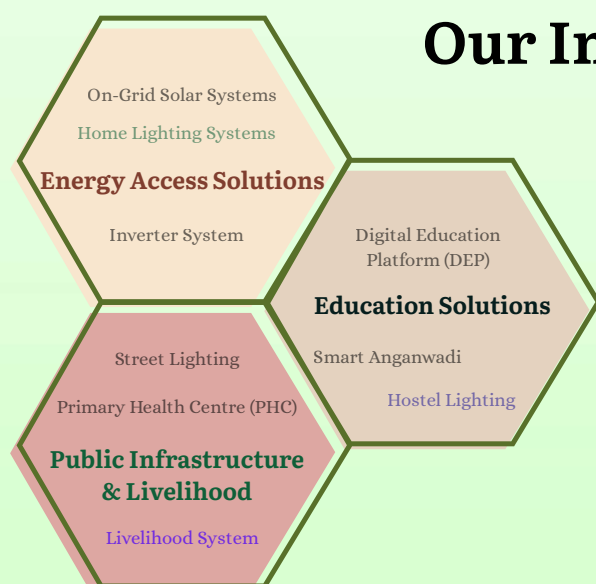
Together with our partners, we are not just implementing projects—we are fueling systems change. Serving as a CSR implementation partner, SELCO is committed to a shared journey that advances resilience, equity, and enduring impact.

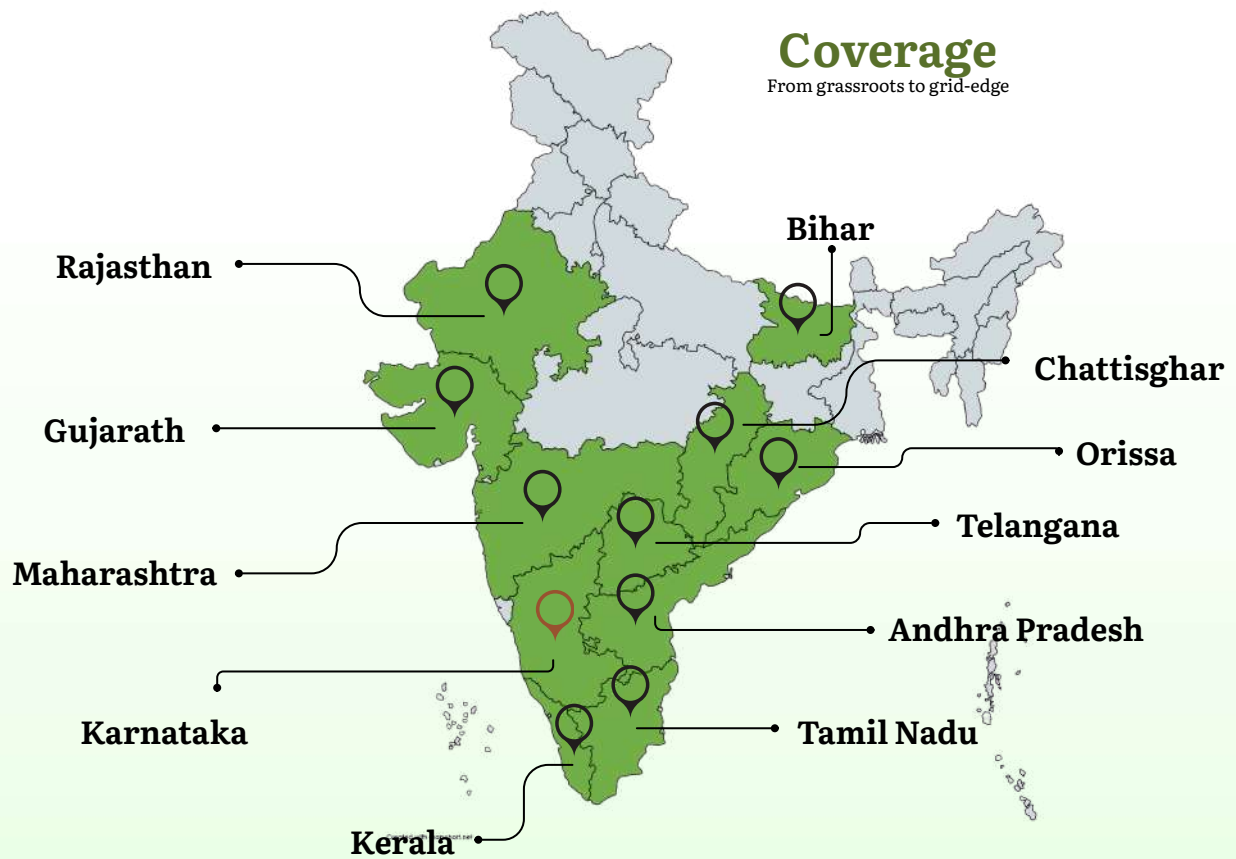
Spanning 11 states and driven by the support of 11 committed partners, SELCO's CSR initiatives in 2024-25 powered over 20 impactful projects. From sustainable livelihoods to digital education, healthcare to clean lighting – each intervention was tailored to real community needs. More than 1,000 solutions were implemented, transforming homes, schools, PHCs, and livelihoods. These collaborations reflect a shared commitment to inclusive development through innovation and decentralised energy.

OUR Partners

- Concern India
- Samarthanam Trust
- IIFL Samasta
- United Telly Links – Veeranahalli
- Youth For Seva
- LIC Housing Finance Ltd (LIC HFL)
- CINI Sustain Plus
- Habitat for Humanity
- Menda Foundation
- BVT (Bharathiya Vikas Trust)
- Nomi Network

Our Interventions





Our CSR implementations spanned 11 Indian states, covering diverse geographies from Rajasthan to Tamil Nadu and Gujarat to Bihar. Each state marked in green represents areas where SELCO, in collaboration with its CSR partners, implemented clean energy solutions — powering schools, livelihoods, healthcare, and communities. This expansive reach reflects our commitment to inclusive, decentralized, and sustainable development across rural and underserved regions of India.

Collaborations that Create Change



Concern India Foundation

Project: Solar Installations in Government Schools | Location: Jaipur (Rajasthan) & Ahmedabad (Gujarat)

In partnership with Concern India Foundation, SELCO India served as the implementation partner, executing the project end-to-end — from site surveys and school identification to solar system installations. The SELCO team conducted training sessions, coordinated with local authorities, and ensured seamless execution and handover. The initiative addressed frequent power cuts (4–6 hours daily) while enabling sustainable and digitally equipped learning environments in government schools.



6

Schools Reached

57.31 kWp

Total Solar Capacity

3,231

Students Impacted

₹65,664

Monthly Electricity Bill Savings

41.31 tons

Annual CO₂ Reduction

2,064

Equivalent Trees Saved per year

CINI Sustain Plus

Project: Renewable Energy-Based Livelihoods for Persons with Disabilities (PWD) | Location: Karnataka, Maharashtra, Tamil Nadu, Kerala

In partnership with CINI Sustain Plus, SELCO Solar Light Pvt. Ltd. implemented this inclusive livelihood initiative focused on Persons with Disabilities (PWD). The project involved identification, need assessment, solution design, implementation, and capacity building — all tailored around decentralized renewable energy (DRE) systems. The aim was to create dignified income-generating opportunities while promoting energy equity.



101

PWD Entrepreneurs

10 +

Diverse Livelihoods

Significant Income Growth

Social Inclusion

Replicable Model

Menda Foundation

Project: Digital Education & Hostel Lighting | Location: Karnataka (across 20+ districts)

In a trusted partnership spanning over 15 years, Menda Foundation and SELCO India have worked together to improve educational infrastructure across Karnataka. Building on this relationship, the latest initiative focused on deploying solar-powered digital education systems in schools and lighting solutions in hostels, ensuring students from underserved communities have access to interactive learning during the day and well-lit, safe study environments at night.



124

Schools
Supported

38

Hostels
Enabled

17,458

Students
Reached

Reduced
Outages

180

Site Visits

United Telly Links

Project: Veeranahalli Solar Initiative | Location: Veeranahalli Village, Karnataka

Through a unique partnership model, SELCO India joined hands with a corporate partner, United Telly Links, and leveraged the Government of India's flagship PM Suryaghar Muft Bijli Yojana to deliver reliable solar energy to rural households. This distinctive blend of corporate CSR funding and an innovative government subsidy created a powerful hybrid model, enabling the installation of 2 kW rooftop systems. The project not only addresses energy poverty and reduces reliance on unstable grid power but also aligns directly with the government's clean energy mission, setting a benchmark for impactful public-private collaboration in the renewable energy sector.



60

Households
Supported

2kW

Rooftop
Systems

138.40 ton

CO₂ Saved

Public-Private
Model

175.20 MWh

Electricity
Generated

IIFL Samasta

Project: Decentralized Renewable Energy for Public Infrastructure & Safety | Location: Muzaffarpur District, Bihar

In partnership with IIFL Samasta, SELCO India implemented a large-scale decentralized renewable energy (DRE) project in Muzaffarpur. The intervention powered essential infrastructure including 5 Digital Education Program (DEPs), 10 Sub-Centres, and 100 solar street lights — enabling improved education, healthcare delivery, and community safety. The initiative also promoted long-term sustainability through local capacity-building and ownership.



100

Street Lights
Installed

10

Sub-Centres
Powered

Technician
Training

5

DEPs Enabled

80,000+

People
Reached

Youth For Seva

Project: Solar-Powered Digital Education for Schools | Location: Hyderabad, Telangana

Youth For Seva (YFS) partnered with SELCO India to implement solar-powered digital education systems in rural government schools. By actively mobilizing local communities and volunteers, YFS played a key role in ensuring effective deployment, ongoing usage, and maintenance of the systems — significantly enhancing student engagement and learning outcomes, particularly in science and mathematics.



6

Schools Covered

Curriculum
Aligned
Content

Confidence
Teaching

Sustainable
Learning

1,000+

Students Reached

LIC Housing Finance Ltd (LIC HFL)

Project: Solarised Digital Education for Schools | Location: Chattisgarh, Orissa, Bihar and Tamil Nadu

As part of its CSR commitment toward the UN Sustainable Development Goals, LIC HFL partnered with SELCO India and grassroots organizations to implement digital education systems in government schools across Bihar (Jamui, Samastipur, Begusarai) and Tamil Nadu (Madurai, Ramanathapuram). The initiative aimed to bridge the rural digital divide by equipping 200 schools and empowering 50,000+ students with technology-enabled learning.



200

Schools
Supported

Tech-Enabled
Learning

50,000+

Students
Reached

Scalable
Education
Model

Teacher
Empowerment

Samarthanam Trust for the Disabled

Project: 5 kVA Solar Inverter Systems in Schools | Location: Pune (Maharashtra), Chennai, Chengalpattu & Tiruvallur (Tamil Nadu)

Samarthanam Trust, in partnership with SELCO India, implemented 5 kVA solar inverter systems in 51 government schools across Maharashtra and Tamil Nadu. The initiative aimed to create inclusive, energy-secure learning environments—particularly benefiting students from marginalized communities and those with disabilities—by integrating renewable energy with educational infrastructure.



51

Schools
Supported

35,700+

Students
Reached

Uninterrupted
Electricity

Digital Access
Enabled

Inclusive
Learning

Nomi Network

Project: Empowering Women Through Solar-Powered Livelihood | Location: Jhajjar District, Haryana

Planned and executed an entrepreneurship development programme in collaboration with Nomi Network, Jeevika, and SELCO India, aimed at empowering survivors of human trafficking and at-risk women in Bihar. The initiative focused on the Bochaha block of Muzaffarpur, where a dedicated training center was established to facilitate skill-building and enterprise development. While Nomi Network led community mobilization and livelihood training (trained 200 women), SELCO conducted energy needs assessments, deployed solar-powered tools, and strengthened local capacity. Jeevika provided grassroots linkages and support for sustained livelihoods (Livelihood- 100 and solar Mart- 40). By integrating decentralized renewable energy-based solutions with targeted skill training, the programme created safe, dignified, and income-generating opportunities, breaking cycles of exploitation and fostering long-term empowerment.



140

Women
Empowered

8,000+

Indirect
Beneficiaries

Livelihood
Tools Deployed

Income Stability
Improved

Scalable Model
Created

Bharathiya Vikasa Trust

Project: Solarizing Rural Infrastructure – On-Grid & Smart Anganwadi Solutions | Location: Totlavallur, Andhra Pradesh

In collaboration with SELCO India, Bharathiya Vikasa Trust implemented a decentralized solar energy project to enhance rural infrastructure in Totlavallur. The intervention targeted key community touchpoints like Anganwadis, health centres, and village streets, delivering sustainable energy access to improve early education, healthcare, safety, and daily quality of life.



5+

Anganwadis
Upgraded

20

Street Lights
Installed

Solar Water
Heater

Local Capacity
Built

800+

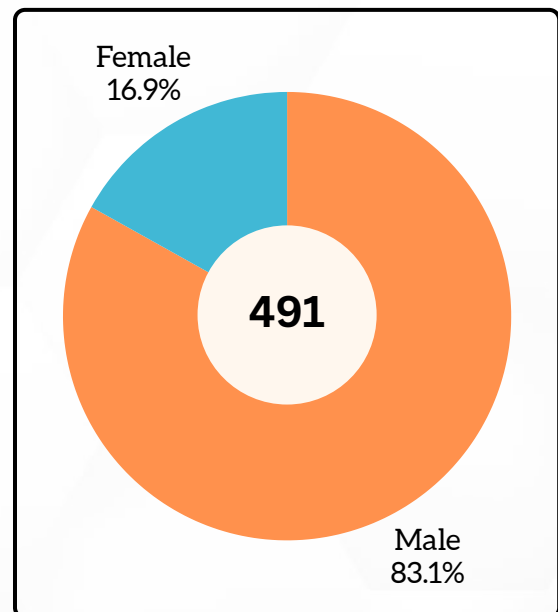
People by
Healthcare

Human Resource

Our People, Our Strength

Our people are the foundation of SELCO's mission and success. This year's workforce reflects a rich blend of skills, perspectives, and dedication across all departments. From field teams to technical experts, and from operations to leadership, every role contributes to driving sustainable impact. The following overview presents our employee strength, gender representation, and departmental distribution — a testament to the diverse talent powering SELCO's journey.

In 2024–25, SELCO's workforce comprised 491 employees, including 408 men (83%) and 83 women (17%). Across departments, this dedicated team continues to drive the organisation's mission of sustainable energy and inclusive development.





Special Projects: Lighting Possibility Beyond Boundaries

SELCO's Special Projects are built to respond—fast, flexibly, and collaboratively. From hospitals and schools to research labs and remote farms, these interventions extend beyond conventional models, pushing the boundaries of innovation through empathy and insight.

Each project emerges from a specific challenge—a space where lived realities demand customised, people-first energy solutions. They are not pilots for the sake of experimentation, but real-time responses rooted in local wisdom and urgency.

This section brings together stories of resilience: where tough terrains meet tailored technology, and where design thinking aligns with dignity, impact, and inclusion.

They are blueprints for systems that listen first, act second—and leave behind models worth scaling.

Jayadev Memorial Rashtrotthana Hospital & Research Centre

Jayadev Memorial Hospital, a multi-speciality facility in Bengaluru, faced the challenge of managing high energy consumption while delivering uninterrupted care to its patients. Frequent grid fluctuations and escalating power costs added strain to its operations, especially in energy-intensive areas like critical care, diagnostics, and administration.



In collaboration with SELCO, the hospital implemented a **200.7 kW** on-grid solar rooftop system—strategically designed to integrate with its daily power requirements.

The system not only stabilized energy access but also offset a significant portion of its dependency on conventional sources.

The installation now generates approximately **~24,000 kWh/month**, resulting in substantial savings and reduced carbon footprint. More importantly, it ensures that lifesaving equipment runs reliably—supporting a healthcare environment where energy is not just infrastructure, but a critical lifeline.



Nestled in the lush terrain of the Western Ghats, **Chitrakoota Ayurveda Chikitsalaya** has served over **5,500** individuals seeking holistic healing

through traditional medicine. Set amidst nature, the facility faced challenges in maintaining reliable energy access without compromising its serene and sustainable ethos.

To address its growing energy needs and reduce dependence on conventional sources, SELCO designed and implemented a **30 kW on-grid solar rooftop system**

Chitrakoota Ayurveda Chikitsalaya

tailored to the ashram's scale and operational rhythm.

Today, the system generates around **3,600 kWh per month**, enabling uninterrupted service delivery, reducing energy costs, and ensuring that the ancient practice of Ayurveda continues to thrive on renewable foundations. It is a quiet example of tradition meeting technology, harmoniously.

HelpAge India – Nirmala Hriday Bhavan, Nellore, Andhra Pradesh

At **Nirmala Hriday Bhavan**, a home for over **100** elderly residents run by the Missionaries of Charity, rising electricity costs and power disruptions threatened the quality of care provided to the most vulnerable. **HelpAge India**, long committed to the dignity of aging, partnered with SELCO to reimagine energy access for this sacred space.

SELCO installed a **20 kW solar rooftop system**, supported by inverters to ensure clean, uninterrupted energy for critical needs—lighting, hot water, medical appliances, and food preparation.

Today, the system produces **~2400 kWh** per month, enabling up to **100%** savings in electricity



costs and reducing carbon emissions by over 22 tonnes annually. More than just numbers, it brings warmth, security, and stability to lives that deserve peace.

“ When energy flows uninterrupted, healing does too. In care facilities, reliable energy isn't a luxury—it's a lifeline “

Education & Learning Spaces



SELCO's work in the education sector brings energy to spaces where curiosity lives. From solar-powered classrooms to STEM labs and rural schools, these interventions fuel learning, creativity, and safety—day and night.

Solar STEM Labs – Shirur, Pune (3M Partnership)

In partnership with 3M, SELCO solar-powered **10 STEM** labs across schools in Shirur Taluk, Pune—spaces designed to nurture hands-on science, technology, and innovation among rural students. Each lab was equipped with a custom-designed solar solution, based on load and usage. The systems ensure reliable energy for lighting, fans, digital tools, and experiments, improving the learning environment significantly.



- System Size: **4.4–7.7 kW**
- Impact: **24/7 lab access**, reduction in power costs, better attendance and focus.

Urban Educational Institutions – Karnataka & Bihar

SELCO supported several urban institutions like Shree Bharathi Vidyalaya (Bengaluru), Siddaganga College (Tumkur), Sainik Public School (Jamui), and others with grid-tied rooftop solar systems.

Together, these 6 institutions received a total installed capacity of 162 kW, generating over 236 MWh/month of clean energy. These systems directly reduce operational costs and promote sustainable thinking among thousands of students.



- Schools Covered: **6**
- Total Energy Generated: **236.52 MWh/month**
- Locations: Karnataka & Bihar

Rashtrottthana Vidya Kendra – Davangere

With over 1,500 students and sprawling across 6 acres, this school required a campus-wide lighting solution for evening safety and visibility. SELCO installed 28 solar street lights, ensuring lit pathways and a secure environment for students and staff.

- System Type: **18W** LED solar street lights with **LiFePo4** batteries
- Impact: Improved **safety** and extended **access** to outdoor spaces post-sunset



“When classrooms are powered, futures are too.”

In rural India, energy isn't just a service—it's a necessity for survival, sustainability, and scale. SELCO's special interventions in agriculture and infrastructure are designed to empower remote regions with clean, consistent power for farming, research, and community development.

TERI Solar Pump Deployment – Raichur, Karnataka

In partnership with TERI, SELCO deployed three solar-powered pumps across farmlands in Raichur. These areas faced erratic power supply, limiting irrigation and affecting crop productivity.

Each system uses an **8.86 kW** solar panel with a **7.5 HP** VFD setup, ensuring farmers get a consistent water supply without reliance on diesel or irregular grid power.

Impact: Reliable irrigation, reduced operating costs, and improved yields.



Holematthi Nature Foundation – Chamarajanagar, Karnataka



Located in a forest-edge region, this foundation is building a training and conservation center with no existing grid access.

SELCO installed a **3 HP** solar pump system to support construction and ongoing water needs.

With **3 kW** solar panels and a **3 HP** VFD, the solution now powers water access sustainably—fueling both human effort and environmental conservation.

Use: Construction + water supply for eco-conservation

Outcome: Independent power where none existed

CIMMYT Maize Research Lab – Kunigal, Karnataka

As Asia's first public sector maize DH lab, the CIMMYT-UASB facility needed a clean energy backup system for critical research operations.

SELCO implemented a **21.6 kW** solar panel system with a 36 kWh battery backup) and a **25 kVA** hybrid inverter, generating **31,104 kWh/year**. This system ensures that scientific continuity is maintained even during extended outages.

Outcome: Reduced diesel use, consistent lab operation, model for green research centers.



“Where the grid ends, innovation begins.”

Banking on energy isn't just a metaphor—it's a mandate. From rural banks to public campuses, SELCO is powering purpose-driven infrastructure that ensures access, safety, and continuity in the spaces that matter most.

Karnataka Vikas Grameena Bank (KVGB) – 5 Branches



To reduce operational costs and improve energy reliability across its rural branches, KVGB partnered with SELCO to solarize five regional offices. These included sites in Dharwad, Vijayapura, Bagalkote, and Kumta.

Together, the installations generated between 360 to **3,000 kWh/month** per branch—enabling monthly savings of up to **₹24,000**, and reinforcing the link between financial inclusion and sustainable infrastructure.

System Capacities: **3–25 kW**

Outcome: Reduced grid dependence and operational cost

Rashtrottthana Goshale – Doddaballapur



Spread across 110 acres and home to over 700 cattle, this goshala needed sustainable lighting across its key operational zones. SELCO installed **20** solar street lights using **100 Wp** panels and **LiFePo4** batteries.

These lights now enhance safety, enable night operations, and support the eco-conscious mission of this rural conservation site.

System: **18W LED** with **24Ah LiFePo4** batteries

Outcome: Safer, well-lit rural pathways for staff and animals

“Reliable energy is the quiet backbone of public service.”

SELCO's partnerships with civil society organizations extend the reach of sustainable energy to some of the most underserved corners—homes for the disabled, educational shelters, and post-crisis recovery zones. These projects reflect agility, empathy, and a shared purpose for inclusive transformation.

MAERSK CSR Projects – Tamil Nadu

In collaboration with MAERSK, SELCO implemented solar energy systems across three NGOs in Tamil Nadu, serving the blind, orphans, and children with intellectual disabilities.

- Indian Association for the Blind
 - 10.9 kW solar panel, 12.5 kVA inverter, 20 batteries
- Seva Chakkara Samajam
 - 11.4 kW solar panel, 12.5 kVA inverter, 20 batteries
- Hope Charitable Trust
 - 6.84 kW solar panel, 10.5 kVA inverter, 10 batteries



Impact: Uninterrupted power for shelters, reduced energy costs, and improved quality of care for vulnerable groups.

Every Special Project at SELCO is more than a system—it's a solution crafted with care. Built around the needs of end users, each intervention reflects deep field engagement, context-specific design, and the flexibility to adapt where standard approaches fail. From health centres to banks, schools to farms, these projects combine innovation with empathy, and technology with trust.

Whether rapid-response or long-term pilots, each model is built to uphold SELCO's uncompromising standard of quality, sustainability, and dignity for all. As needs evolve, so do our approaches—without losing sight of what truly matters: people.





लोकहितं मम
करणीयम्।

(The welfare of the world is my duty)



SDG-Aligned Impact from SELCO's Consultancy Department

The Consultancy Department at SELCO plays a catalytic role in designing and enabling energy solutions that respond to specific regional needs—while aligning seamlessly with the **Sustainable Development Goals** (SDGs). Each intervention, from solar pumps to livelihood appliances, is the result of context-driven analysis and tailored technical planning.

In FY 2024–25 alone, the department supported the deployment of **31** such systems, estimated to generate over **50,000 kWh** annually, and mitigate nearly **38 tonnes of CO₂**. But beyond environmental metrics, these interventions help reduce drudgery, enable income, and promote equity in underserved regions.

Whether it's a solar aerator supporting gender equity or a freezer enabling small-scale food entrepreneurs, each solution reflects the department's focus on sustainability, adaptability, and long-term impact. By co-developing energy pathways with partners and communities, SELCO's Consultancy team ensures that localized innovation contributes meaningfully to global development goals—one system, one household, one opportunity at a time.

The Consultancy Department at SELCO has designed and implemented decentralized energy solutions that directly contribute to the United Nations Sustainable Development Goals (SDGs). Each system is a reflection of need-based design—tailored for communities, aligned with climate action, and built to enhance equity. From solar pumps to livelihood-enabling appliances, these projects represent small but powerful shifts toward a just and sustainable future. This section highlights a set of such interventions, their estimated environmental impact, and the SDGs they support.

				
Technology -	Solar Water Pump (3 HP)	Aerator (2 HP)	Freezer	
Units -	5	1	2	
Capacity (kWp) -	13.5	8.0	0.6	
Est. Annual kWh -	17,246	10,220	767	
CO₂ Saved (kg) -	12,935	7,665	575	
				
DC Freezer	Milking Machine	Solar Pump (1 HP)	• Technology • Units • Capacity (kWp) • Est. Annual kWh • CO₂ Saved (kg)	
3	10	10		
1.92	3.35	12.0		
2,453	4,280	15,330		
1,840	3,210	11,498		

सर्वेषां पूर्णभवतु ।

(May all be fulfilled)

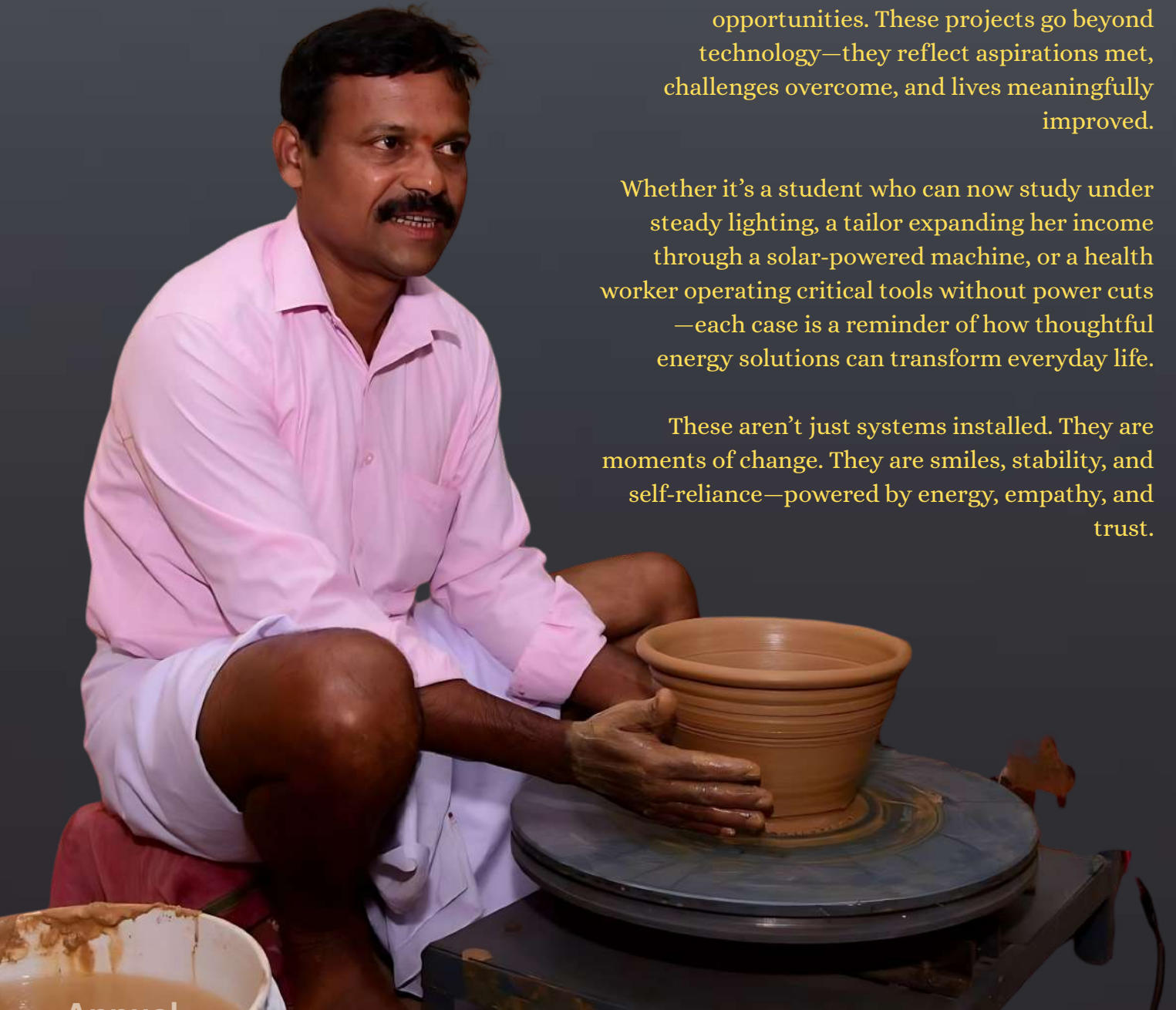


Projects that Brought Light, Livelihood, and Lasting Change

This section brings together stories from across the year where SELCO's interventions helped individuals and communities unlock new opportunities. These projects go beyond technology—they reflect aspirations met, challenges overcome, and lives meaningfully improved.

Whether it's a student who can now study under steady lighting, a tailor expanding her income through a solar-powered machine, or a health worker operating critical tools without power cuts—each case is a reminder of how thoughtful energy solutions can transform everyday life.

These aren't just systems installed. They are moments of change. They are smiles, stability, and self-reliance—powered by energy, empathy, and trust.



UNDP DRE Livelihood Solutions

Empowering 90 Tribal and Transgender Entrepreneurs in Tamil Nadu

In the quiet hills of **Pechiparai** and the remote lanes of **Kadayanalur** and **Pettai**, clean energy is enabling something powerful: dignity and economic independence. Through **decentralized renewable energy** (DRE) solutions, SELCO supported **90 entrepreneurs** from **tribal** and **transgender** communities in launching and sustaining livelihood activities tailored to their unique contexts. Whether it's a Kani tribal woman running a **flour mill** or a **transgender** entrepreneur managing

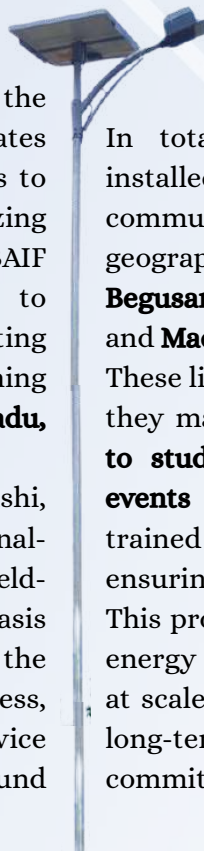


a solar-powered store, each of these initiatives represents more than a business—it's a step towards agency, visibility, and **stability**. The reliable solar-powered systems have allowed businesses to operate uninterrupted, **boosting income** and creating local ripple effects. What was once limited by lack of **power** and **opportunity** is now lit by **possibility**. These enterprises not only generate livelihoods but also strengthen the **community** fabric—proving that sustainable energy is a foundation for inclusive growth.

Lighting the Path – Solar Street Light Initiative with BAIF

In rural and remote corners of India, the absence of reliable lighting after sunset creates not just inconvenience — but also barriers to safety, mobility, and productivity. Recognizing this, SELCO India partnered with BAIF Development Research Foundation to implement decentralized solar street lighting systems across villages in **12 regions** spanning **Maharashtra, Bihar, Karnataka, Tamil Nadu, Andhra Pradesh, and Rajasthan**.

What began as a small pilot project in Mulshi, Maharashtra, soon transformed into a national-scale deployment — powered by trust, field-based demonstration, and SELCO's emphasis on quality over cost. Despite offering the highest bid in a competitive tender process, SELCO was selected for its reliable service model, contextual design, and on-ground engagement with BAIF teams.



In total, **1,179** solar street lights were installed, impacting thousands of community members across diverse geographies — from **tribal** belts in **Jamui** and **Begusarai** to urban-rural pockets of **Tirupati** and **Madurai**.

These lights do more than brighten roads: they make **women feel safer**, allow **children to study longer**, and **support community events** after dark. Local technicians were trained and employed in the process, ensuring **job creation** and local ownership. This project stands as a model for how clean energy can meet practical community needs, at scale — through thoughtful partnerships, long-term trust, and unwavering commitment to inclusive development.

Mushrooming Opportunities

Climate-Resilient Farming in Sullia



In the quiet village of Sampanje, Sullia, innovation took root in a 200-square-foot space — where Mr. Ajith, an agriculture graduate, transformed traditional mushroom farming into a climate-smart, solar-powered micro-enterprise.

With the goal of producing chemical-free, nutrient-rich mushrooms, Ajith faced a common yet critical challenge: maintaining the right temperature and humidity in a region where weather fluctuations made consistent cultivation nearly impossible. Turning to SELCO Solar for a solution, he implemented a custom-designed, decentralized energy setup that brought precision and sustainability to his practice.

The installation included a solar-driven Dutch cooler, DC fans, 24/7 lighting, and an exhaust system — all tailored to regulate temperature, circulation, light, and air quality. These systems not only ensured a stable environment for year-round production, but also drastically reduced energy costs and eliminated dependence on erratic grid power.

With financial backing from the local Primary Agricultural Co-operative Society, and technical handholding from SELCO, Ajith's model now stands as a replicable blueprint for others. His success has brought financial stability, empowered a youth-led rural enterprise, and reinforced the potential of clean energy to unlock income generation for small-scale farmers.

What began as a personal vision has now inspired a broader possibility: climate-resilient, dignified livelihoods — powered by decentralization, designed for grassroots realities.



In the hills of Hosanagara Taluk, Shivamogga, Mr. Gangadhar's life changed drastically after a spinal cord injury confined his mobility. Once active in the areca nut farms, he now faced daily struggles—not just with movement, but with the most basic comforts of life, especially during frequent power outages that left his home in darkness and uncertainty.

With support from CINI and SELCO Solar, a simple yet transformative solar-powered inverter system was introduced to restore control, safety, and economic opportunity in his life.

The **800 VA** solar backup system, costing ₹56,800, powers essential tools:

- a weighing machine, connecting him back to agriculture;
- and a sewing machine, enabling home-based tailoring.



This ensured Mr. Gangadhar could earn a stable income from within his home, while maintaining mobility and safety during power cuts.

Community contributions and personal savings enabled him to co-invest in the system, reinforcing dignity and ownership. More than a power solution, this intervention became a pathway to restored confidence, autonomy, and resilience.

Today, Mr. Gangadhar manages his household, earns independently, and lives with a renewed sense of purpose — his story now standing as a replicable model for inclusive and sustainable development for persons with disabilities in rural India.

In the Lap of Nature – Hariprasad's Solar-Powered Integrated Farm

High in the lush hills of Sullia taluk, Hariprasad has cultivated more than just a farm—he has built a model for sustainable and integrated rural enterprise. Surrounded by coconut, rubber, and arecanut trees, his land is a testament to how traditional farming wisdom can harmoniously co-exist with clean energy and modern precision.

At the heart of his operation lies a self-sustaining system—rainwater harvested from a hilltop pond is channeled to nourish a fish-rearing pond below. But with tilapia farming requiring constant oxygenation and water circulation, intermittent power supply initially jeopardized fish survival and profitability.

To address this, Hariprasad adopted a solar-powered solution, enabled with support from Karnataka Gramin Vikas Bank and SELCO Foundation. The installation—a 1.3 kW solar module paired with battery storage—ensured round-the-clock operation of critical systems, stabilizing oxygen levels, improving water quality, and drastically reducing fish mortality.

System at a Glance:

1.3 kW solar modules

4 × 400Ah batteries

2 KVA inverter



Over time, each six-month farming cycle has shown marked improvement in fish weight and survival, with tilapia sold at ₹250 per kg—translating into higher yield and sustainable income. With enhanced efficiency and climate resilience, Hariprasad's approach offers a replicable blueprint for agri-aqua farming, particularly in off-grid or power-deficient areas.

This story is not only about power and productivity—it is about harmony with nature, technological resilience, and the spirit of innovation in rural livelihoods.

Powering Resilience: Shankar Prasad's Solar-Powered Sugarcane Enterprise



Shankar Prasad, a native of Sampaje in Dakshina Kannada, transitioned from corporate work to farming with hopes of revitalizing his family's land. However, his plans faced an early setback when yellow leaf disease wiped out his arecanut plantations. Instead of giving up, Shankar shifted to sugarcane cultivation, exploring new ways to sustain his livelihood.

With this shift came a new opportunity: producing natural, chemical-free sugarcane juice and jaggery-based candies. His products quickly gained recognition for their purity and health benefits. But frequent power cuts made it difficult to run processing equipment consistently, limiting both output and income.

To address this, Shankar adopted a solar-powered inverter system, supported through a loan from the Sampaje Society and 20% seed support from SELCO. The system now powers his juicer and other processing equipment, enabling uninterrupted production and improved product quality.

System Details

- **System Type:** Solar Inverter Setup
- **Support:** 20% seed capital from SELCO + loan from Sampaje Society

Outcomes and Benefits

- **Reliable Operations:** Continuous production regardless of power cuts
- **Business Growth:** Increased output and timely delivery
- **Energy Efficiency:** Reduced dependence on grid electricity
- **Sustainability:** Clean energy use with lower operational costs
- **Scalable Model:** A replicable solution for small rural enterprises



Shankar's story highlights how rural entrepreneurs can adapt to changing circumstances by combining sustainable technology with traditional knowledge—paving the way for a more resilient, eco-friendly rural economy.



Rudresh's Solar-Powered Xerox Unit A Step Toward Dignity and Economic Independence

In the quiet village of Yaladahalli, Tiptur Taluk, Tumakuru District, Rudresh, a determined young man with a physical disability, dreamt of supporting his family through honest work. His goal: to run a small Xerox and documentation services unit from his home.

But one major challenge stood in his way — unreliable electricity. Frequent power outages made it difficult to operate even basic equipment, putting his aspirations at risk.

With the support of CINI (Collectives for Integrated Livelihood Initiatives) and technical assistance from SELCO Solar, Rudresh installed a solar-powered inverter system at his residence. This has enabled him to run his photocopier and related tools consistently, offering essential services to local residents.

Key Impacts

- **Reliable Power Access:** Uninterrupted operation of his home-based business
- **Livelihood Generation:** Regular income through document services
- **Empowerment with Dignity:** Reduced dependence on others for daily needs
- **Sustainable and Inclusive:** A clean energy solution promoting equity & independence

Rudresh's journey is a testament to how energy access, when made inclusive, can change lives. His story reflects the transformative power of solar energy in enabling rural livelihoods, particularly for persons with disabilities. It's not just a business—it's a symbol of resilience, dignity, and hope.





Powering Progress: Women Entrepreneurs Embrace Solar for Business Expansion

In Kallal village of Ramdurg, Karnataka, Doddakka Meti and Mahananda Murari are redefining rural entrepreneurship. Already managing a **solar roti unit**, the duo was inspired by the MSS-3 program in Dharmasthala (March 2023) to take the next leap.

They expanded their enterprise by adding **solar-powered vermicelli** and **flour mill** systems, bringing key processes in-house. This shift eliminated the need to travel for milling, reduced physical strain, and allowed them to diversify their products—from roti to flour to vermicelli—all using clean energy.

Their journey is a powerful example of how solar interventions can fuel local enterprise, save time, and multiply income opportunities for women-led businesses in rural India.

Scaling Up with Solar: Shailaja's Roti Business Upgrade

In Desanur, Karnataka, Shailaja Chikmath is proving how innovation can drive rural enterprise. Earlier operating a pedal-press **solar roti machine**, she saw growing demand and chose to upgrade to a solar-powered conveyor belt roti unit.

The shift was more than just technological—it marked a turning point. With **increased production capacity**, Shailaja now meets **larger orders** efficiently, boosting both her confidence and **income**.

Supported by her local women's network, Shailaja's story showcases how small upgrades in solar-powered equipment can lead to big leaps in livelihood impact.

Fueling a Local Economy: Adevappa's Solar-Powered Oil Extraction Unit

In Chippalkatti, Ramdurg Taluk, Adevappa Sannagoudar, CEO of the local Farmer Producer Organization (FPO), envisioned more than just farming—he saw potential in value addition.

Using his FPO network, he set up a **solar-powered 3HP oil extraction unit**, turning raw produce into finished goods right in the village. This not only cuts dependency on external processors but also boosts income for local farmers.

Adevappa's initiative reflects how rural leadership and solar innovation can create self-sustaining economies from the ground up.

From Driver to Dairy Entrepreneur: Shivanand's Solar-Powered Leap



In Benachinamaradi, Shivanand Giddennavar transformed personal loss into entrepreneurial strength. Once a driver, he turned to dairy processing after his father's passing—starting with a small milk collection unit and making milk cake manually.

With SELCO's support and **solar-powered khova and milk cake machines**, Shivanand scaled up his operations. What was once 15 kg of manual output has now grown to **30 kg daily**, thanks to clean energy systems. His story is a powerful example of how solar innovation can unlock rural potential.

Asma's New Beginning: Building a Life of Dignity, One Chip at a Time

In the quiet village of Harobelavadi, Asma Baani, who lives with a **locomotor disability**, has embarked on a journey of **independence** and **entrepreneurship**. With the installation of a **solar-powered chips machine**, she has taken her first steps toward building a livelihood on her own terms.

Though the venture is still in its early stages since its installation in October 2024, Asma has quickly adapted to the new system and lifestyle. She is steadily growing her customer base and expanding her reach beyond the village.

Her story is not just about running a chips business—it's about self-reliance, courage, and the quiet power of clean energy to spark change.



Savitha's Family Enterprise: Turning Milk into Livelihood with Solar Power

In Kotur village of Dharwad, Savitha Kambi, who is **visually impaired**, plays a central role in her family-run khova-making business. For years, they processed 300–400 litres of milk manually every day, a task that was both physically demanding and time-consuming.

With the installation of two **solar-powered khova machines**, the family has experienced a significant transformation. The new systems have reduced their drudgery, saved time, and allowed them to focus on scaling up their operations.

Clean energy has not only made their business more efficient but also brought dignity and ease to their daily work, proving how inclusive technologies can uplift entire households.

Strength in Every Roti: A Mother's Resilience in Hubli

In Hubli, Ramazanabi runs a roti-making business to support her household and care for her mentally challenged son. Life was a daily struggle—managing caregiving responsibilities while trying to earn a livelihood.

The installation of a solar-powered conveyor belt roti machine has changed their daily reality. The system has eased her workload and enabled a sustainable source of income, bringing stability to their home.

This intervention not only empowered a woman entrepreneur but also brought dignity and security to a family living with disability.

Driving on Sunlight: Solar Auto Charging in Kodagu

In Madapura, Somavarapet Taluk, Kodagu District, a local auto driver transitioned to a solar hybrid system to charge his electric auto and power his home.

Previously dependent on grid electricity, the shift to solar has eliminated his monthly electricity bills, making his operations more sustainable and affordable.

By harnessing clean energy, he now enjoys zero energy costs while supporting his livelihood—an example of how solar can power both homes and mobility in rural India.



From Darkness to Dignity: Mahadevaswamy's Solar-Powered Journey

Mahadevaswamy, a 75% disabled entrepreneur from Karnataka, lost access to stable income after the death of his elder brother. Refusing to surrender to hardship, he started a small shop with his mother's support. But without a municipal electricity connection, his options were limited—no cold drinks, no late business hours, and no scope to grow.

That changed with a solar energy system. Today, he powers a fridge, lights, and a Xerox machine, runs his shop into the evening, and pays just ₹150/month instead of ₹900 for electricity. The solar intervention not only cut his costs but also expanded his income and restored his independence.

Mahadevaswamy now stands as a powerful example of how clean energy can uplift persons with disabilities—bringing light, livelihood, and dignity where there was once only struggle.



Powering Possibility: Harsha's Story

In Sakaleshpura Taluk of Hassan, Harsha—who lives with a physical disability—runs a small service center from his home. He helps locals with online applications and provides essential printouts. But frequent power cuts made it hard for him to deliver services on time, directly affecting his income.

With the installation of a solar-powered inverter backup system, Harsha now works without disruption. The reliable power supply has improved his efficiency, boosted customer trust, and increased his earnings. More importantly, it has brought stability and independence to his livelihood—proving that energy access can be a turning point for inclusion and progress.



Easing the Everyday: Shrinivas' Solar Milking Journey

In Shettihalli village, Srinivaspura Taluk, Shrinivas and his family care for four cows as part of their livelihood. Manual milking was physically tiring and time-consuming, adding strain to their daily lives.

To ease this burden, they installed a solar-powered milking machine, enabling faster and smoother operations. The machine has significantly reduced drudgery, improved efficiency, and helped the family manage their time better.

Thanks to the improved convenience and steady income, they are also confidently repaying their loan, making the shift to solar both practical and empowering.



"Closing Note"

As we draw the curtains on this year's journey, what stands before us is not just an annual report — but a tapestry of human resilience, innovation, and impact. From solar-powered livelihoods in the remotest corners to high-level SDG alignment through consultancy, every number, every story, every project echoes SELCO's unwavering commitment to inclusive development.

We've illuminated homes, empowered lives, and redefined what's possible — together.

And yet, this is only a chapter. The real story continues — in the hopes we ignite, the systems we transform, and the futures we help shape.

The impact may be measurable,
but the journey... is far from over.



A Journey Shared. A Future Co-Created.

For over three decades, SELCO has walked alongside communities—listening, co-creating, and transforming the way energy is accessed, used, and owned. This report is not just a reflection of numbers, but of lives illuminated, barriers broken, and futures reimaged. As we move forward, we invite you—partners, practitioners, dreamers—to join us in building ecosystems where energy enables equity, dignity, and resilience for all.

We've walked with thousands,
but millions still wait.
Come, let's light what the world forgot to see.

LIGHTING DREAMS. SUSTAINING CHANGE.

Sunlight. Story. Sustenance.



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