



Promoting Livelihoods
Through Sustainable Development

Environment Conservation
Society (Switch ON)
Annual Report
2016-2017

Environment Conservation Society (Switch ON) is a leading and multiple award winning not for profit, established in 2008, that increases access to sustainable livelihood opportunities for under served populations through Advocacy, Capacity Building, Skilling and Incubating Innovative Technology & Business Models. Switch ON is a social and community development organization dedicated to bring sustainable solutions to specifically rural underserved communities. Switch ON has spun off leading social enterprises like ONergy Solar, ONganic Foods and ONFarm Farmer Producer Organisation in the past. These are united by a single thread where development of the underserved section is the principal outlook. Switch ON has worked with various national and international organisations like MNRE/NISE, NABARD, GoWB, GIZ, Climate Group UK, Global Green Grant Fund, HalloranPhillanthropy etc. Switch ON has been featured in The Guardian, NDTV, Times of India, ET etc.

www.SwitchON.org.in

Contents

- Message from the Secretary
- The strategic report : An overview of who we are, what we did and what we will do ; a review of our achievements and performance in 2015-16, and a summary of our key objectives
- Impact Outlook
- Highlights of the year
- Achievements and performance : Making Change Possible
- Renewable energy
- Education: Skill Development
- Sustainable Organic Agriculture
- Sustainable Transport



Message from the Secretary

2016-17 has been a very exciting year for Switch ON for more than one reason. After establishing itself as a champion in clean energy and agriculture sector, a new vertical – Skilling – was set up to improve livelihoods for underserved youth. Switch ON was the first organization to be selected to impart Surya Mitra Solar Trainings in West Bengal, for the program launched by National Institute of Solar Energy under MNRE.

Switch ON also became a Producer Organization Promoting Institute (POPI) under NABARD, and Resource Institute (RI) under SFAC. Additionally, we backed the prestigious Pacesetter Award by USAID and MNRE to promote Solar Irrigation in West Bengal and Odisha. Under the organic farming project, the number of small farmers converted to organic farming were doubled, from 100 to 200 small farmers.

There has also been a strong Govt focus in Skilling, Clean Energy and Sustainable Agriculture Sectors, with launch of various programs including Skill India, Solar Mission, and PKVY, and our goal will be to work more closely with the Govt. to scale our impact in these sectors.

Switch ON is close to completing a decade of service and impact, and we look forward to impactful year ahead.

Ekta Kothari Jaju
Secretary, Environment Conservation Society



Project Outlook



Sustainable Agriculture

- Enterprises Incubated - ONFarm FPO & ONganic Foods
- Farmer Producer Organisation Promotion
- Organic Training



Renewable Energy

- Enterprises Incubated - ONergy Solar
- Solar Irrigation bank linkage for marginal farmers
- Solar Lighting and Home Solutions - linkage with Micro finance
- Technology incubation - solar drinking water etc.



Skill Development & Education

- Enterprises Incubated - ON Skills /TapovON Learning
- Rural entrepreneur training
- Suryamitra Skill Development Program
- Children education



Wellbeing

- Incubated - RKJ Learning
- Learning Centre in Nadia and Bankura



Highlights of the year

Agriculture

- Awarded the Prestigious Pacesetter Award from Ministry of New Renewable Energy and US Embassy
- Organic Mela & Career Fair on 18th March 2017 at Nadia, West Bengal
- Knowledge partner in workshop on Linking Tourism & Hospitality with Organic Food Producers, 18th May 2017

Energy

- Awarded a project to develop a Solar Model Village by General Electric under their corporate responsibility fund to ONergy Solar and Switch ON

Skilling

- Conducted two Suryamitra Skill Development Program in West Bengal Hanskhali, Nadia, Recognition in Energy World, the Economic Times: "Solar training center comes up in Bengal"
- Setup of TapovON Training Institute and Innovation Centre at Bankura

Wellbeing

- Selected as a partner with SP Jain under the DOCC SPJIMR program
- ONergy Seminar on ONergizing Educational Institutions, 19th January 2017



A) Projects in Renewable Energy :

1) Pacesetter Fund Community Based Solar Pump Irrigation: Odisha& West Bengal:

Switch ON recently won the prestigious Indo-U.S. PACEsetter Fund (PSF) Award and subsequently initiated the "Community Based Solar Pumps" Irrigation Project. The Project addresses irrigation related problems in both West Bengal and Odisha, which are characterized by high energy costs of irrigation because of dependence on diesel pumps and increasing recurring operational cost of purchasing diesel fuel. Switch ON has implemented a project that solves the problem of financing a Solar Pump Irrigation Project – namely the formation of underserved farmers into a Joint Liability Group (JLG) and getting the Project financed through the JNNSM MNRE-NABARD promoted bank financing scheme. This is done by incorporating a business model surrounding a revolving corpus fund that ensures that most of the challenges related to the uptake of solar powered irrigation is addressed. The project also integrates ICT Systems in a way to ensure that there is remote access to all field irrigation related information including hours irrigated, amount of water used and so on.

2) Solar Model Village: Bankura: Supported by GE

The "Solar Model Village" is a Project is located in Supanagar, a Village in the Bankura District of West Bengal. Started in 2017, the Project includes a tripartite partnership between the three Organizations – GE Power, Punam Energy Private Limited (ONergy Solar) and Environment Conservation Society (Switch ON). The Project comprises of various Solar Energy-based components such as –

- a) Solar ICT Center,
- b) Solar Micro-grid,
- c) Solar Drinking Water Station with RO and UV Purifying System,
- d) Solar Street Lighting System, and
- e) Solar Lantern distribution to the households in the locality

3) GIZ Project- Switch ON-GIZ Solar Irrigation Project -

"Exploring the Market Opportunities for Promotion of Solar Powered Irrigation Technologies in West Bengal", was started in 2016. This ongoing Project includes both Solar Pump Irrigation Projects and Solar Pump with Drip Irrigation Projects. The Objective of this Project is to ensure economic, social and environmental benefits for the Farmer Beneficiaries



B) Projects in Agriculture:

4) Organic Farming Training Sessions:

Switch ON in partnership with ONganic Foods has trained over 500 small farmers in Non-perishable and Perishable organic produce. The types of training have included Organic Cultivation in which 50 training sessions have been conducted and 300 Farmers have received training; SRI Cultivation in which 2 training sessions have been conducted and 50 Farmers have received training; and Organic Inputs Preparation in which 10 training sessions have been conducted and 200 Farmers have received training. In addition, the Preparation of Vermi-Compost Pits/Seed Banks as well as the Benefits of Vermicompost and the Benefits of Indigenous Seeds were also taught.

5) Organic Mela & Career Fair, 8th March 2017:

To extend this training further and make the importance of organic farming more well-known, Switch ON organized a Farmer Mela on the 18th of March 2017 at TapovON Institute in Hanskhali, Nadia District. The Mela helped to increase the awareness and understanding of the advantages and benefits of organic farming among the farmers, who included over 600 attendees. Of particular importance was the Workshop on Organic Farming and ONganic Marketing Practices that helped to create awareness about organic cropping practices and helped farmers to understand the advantages in shifting cultivation from inorganic to organic produce. The Topics discussed included Organic Farming Practices, Market Linkage for Organic Farmers through ONganic and Organic Farming Practices in Nadia.

6) Linking Hospitality & Tourism with Organic Food Growers, Govt of West Bengal:

An event on Linking Tourism and Hospitality sector to the organic producers was organized on the 18th of May, 2016 in the Taj Bengal Gateway Hotel. There was representation from the government, hospitality sector, organic producers/farmers and organic companies. Switch On took part as Knowledge Partner for Department of Agriculture & Tourism, Government of WB in the event.



C) Projects in Skilling:

7) SuryaMitra Skill Development Program, NISE , MNRE GOI and WBREDA:

The "Surya Mitra Government sponsored program is being conducted by Switch ON – ON Skills at the Nadia training centre which is a 3-month residential Solar Technician Training course under Green Jobs Sector Skills Council and is in partnership with NISE/WBREDA. It is an on-going Project that started on 8th August 2016) and Switch ON was the first Organization in West Bengal to conduct the Training Programme. The Programme is Conducted at the Organization's own Center – TapovON Skill Training Institute, Hanskhali, Nadia, West Bengal. Initiated by Ministry of New and Renewable Energy (MNRE), "Surya Mitra" is conducted by the National Institute of Solar Energy (NISE), to provide skilled technicians for installation, commissioning, Operation & Maintenance in the field of solar technology. The main objective of this program is to train the 10+2 passed, ITI/diploma holders as field technicians to execute National Solar Mission (NSM) programmes across the country.

8) Opening a Skill Centre in the Village of Supanagar:

A new training centre construction was started at Surpanagar ,Bankura. The Solar powered training and ICT Center will have a digital education/learning center for children along with a computer training room and provision for Spoken English Classes. Vocational training courses will be started shortly afterwards. This addresses the need for —

- children to learn computers and Spoken English in order to increase their prospects of getting a good stable job while simultaneously saving the coaching center travelling time which they could then use as study time
- young children to have a solid basic education foundation upon which they can build their knowledge and become more advanced as they grow older
- adolescents to build and improve their vocational skills and thereby increase their prospects of securing a job as well as promotions and increments and in turn increase their career prospects

9) ONergizing Institutions - Go Solar for a cleaner and greener tomorrow

SwitchON-ONergy organised seminar - "ONergizing Institutions - Go Solar for a cleaner and greener tomorrow" in West Bengal, Odisha and Jharkhand. The series of seminars brought together senior faculty and administrators of schools/colleges, directors and principals, Hospital CEOs, NGOs, government officials under one roof to chart a plan to "go solar and take climate action".

Environment Conservation Society
1 A D.L khan Road , Kolkata - 700027
Balance Sheet as at 31st March 2017

Liabilities	Rs	Rs	Assets	Rs	Rs
Capital Account			Fixed Assets		
Corpus Fund		6,82,120	Capital WIP	5,04,638	
Embarked Donation:			Add : Additions	10,38,250	1,54,21,888
For Land Building	7,53,360		Bolero Car		5,82,672
For First Loss Gurantee	37,50,000	45,03,360	Computer & Software	1,59,669	
General Fund			Add : Additions	1,08,513	2,68,182
Opening Balance	7,99,041		Cycle		20,000
Add: Excess of Income Over Expenditure	17,32,904	25,31,945	Documentary Flims		1
		77,17,425	Solar Irrigation pump & Cold storage		3
Loans (Liability)			Land & Building	11,62,361	
Secured Loans		1,31,434	Add : Additions	10,21,000	21,83,361
Current (Liability)			Mobile Phone & EPBAX		14,496
Duties & Taxes	81,235		Plastic Crates & weight Machine		43,995
Advance from members	14,42,000		Trade Mark		8,500
Sundry Creditors	5,81,336		Video Camera & Camera Accessories		19,540
Provision for audit fees	47,200		Bio-Gas Plant		16,200
					46,99,838
Outstanding Expenses	1,29,797	22,81,797	Investment		
			Fixed Deposit (Earmarked against	37,50,000	
			Add : Accured Interest	41,296	37,91,838
			Current Assets		
			Cash-in-hand	58,947	
			Bank Account	13,01,621	
			Advance Salary	7,765	
			TDS Receivable	2,70,960	16,39,293
Total		1,01,30,427	Total		1,01,30,427

Environment Conservation Society
1 A D.L khan Road , Kolkata -
Income & Expenditure Account for the year ended 31st March 2017

Expenditures	Rs	Rs	Incomes	Rs	Rs
Audit fees	47,200		Donation & Grants		
Camp Expenses	7,36,061		Received from	31,38,712	
Monitoring & Evaluation	5,29,388		Received in India	71,33,366	
Expenses for rural development	10,33,108				
Professional & Consultancy	4,25,726		Emberked Donation	10,21,000	1,12,93,078
Purchases of Solar Pump	4,80,000				
Repairs & Maintanace	66,500		Trainings & Seminars		9,51,541
Fees & Taxes	4,500		Interest from bank		
General Expenses	1,27,470		Fixed Deposite	1,02,670	
Interest expense	82,168		Savings	32,909	
Boarding & Lodging	1,39,653		Interest received on IT Refund		1,35,579
Labour and Logistics	3,52,000				
Insurance Expense	20,746				160
Office Expenses	2,24,555				
Printing & Stationary & designng Expenses	3,87,831				
Bank Charges	4,299				
Salary	20,78,605				
Recruitment Expenses	48,048				
Stipend & Honorarium	25,63,262				
Staff welfare & Incentives	1,07,957				
Technical Survey	12,750				
Travelling exps	2,42,599				
Travelling , Fooding and Acc	9,32,958	1,06,47,454			
Excess of Income over expenditure		17,32,904			
Total		1,23,80,358	Total		1,23,80,358

Environment Conservation Society
1 A D.L khan Road , Kolkata -
Receipt & Payments Account for the year ended 31st March 2017

Receipts	Rs	Rs	Payments	Rs	Rs
<u>Opening Balance</u>			Camp Exps	7,36,061	
Bank Accounts	1,55,973		Monitoring and	4,89,643	
Cash-in-hand	4,80,773	6,36,746	Professional and Consulancy Fees	3,88,346	
<u>Donation& Grants</u>			Purchase of Solar Pump	4,80,000	
Received from Abroad	31,38,712		Repair and	66,500	
Received from India	71,33,366	1,02,72,078	P tax,Fees & Taxes	4,500	
			General Expenses	1,27,470	
<u>Interest from Bank</u>			Interest Expenses	82,168	
Fixed Deposite	56,786		Boarding and Lodging	1,39,653	
Savings	32,909	89,695	Labour and Logistics	3,52,000	
		160	Insurance Expense	20,746	
<u>Interest Received on</u>		6,20,000	Office exps	2,24,555	
Earmarked Donation for land & Building			Printing & Stationary	2,75,734	
			Designing and decorators	4,299	
Advance received		7,00,000	Bank Charges	4,299	
TDS Receivable		8,000	Salary	19,13,838	
Training & Seminars		8,56,387	Recruitment Expenses	48,048	
Earmarked Donation (Against First loss Gaurantee Fund)		37,50,000	Stipend and Honorarium	23,25,708	
			Staff Welfare &	1,07,957	
			Technical Survey & Service Charges	12,750	
			Training exps	2,01,799	
			Travelling,Fooding	8,24,458	
			Advance Salary	7,765	88,33,998
			<u>Loans & Advances</u>		
			Car loan repayment with interest	1,70,737	
			Advance returened to Members	6,50,000	8,20,737
			<u>Investments in FD</u>		
			(Earmarked against First loss Guarantee Fund With RBLBank)		
			<u>Fixed Assets</u>		
			Computer & Software	1,08,513	
			Land & Building	10,21,000	
			Capital WIP (for consti	10,38,250	21,67,763
			<u>Closing Balance</u>		
			Bank Accounts		
			Cash-In-hand		
Total		1,69,33,066	Total		1,69,33,066



Promoting Livelihoods
Through Sustainable Development

Environment Conservation Society

1A, D. L. Khan Road, Jaju Bhawan, Kolkata - 700027

Ph. - (033) 2223 7454 | Email : info@SwitchON.org.in

Website : www.SwitchON.org.in