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http://www.advit.org





advit foundation www.advit.org

ANNUAL REPORT 2015 - 2016





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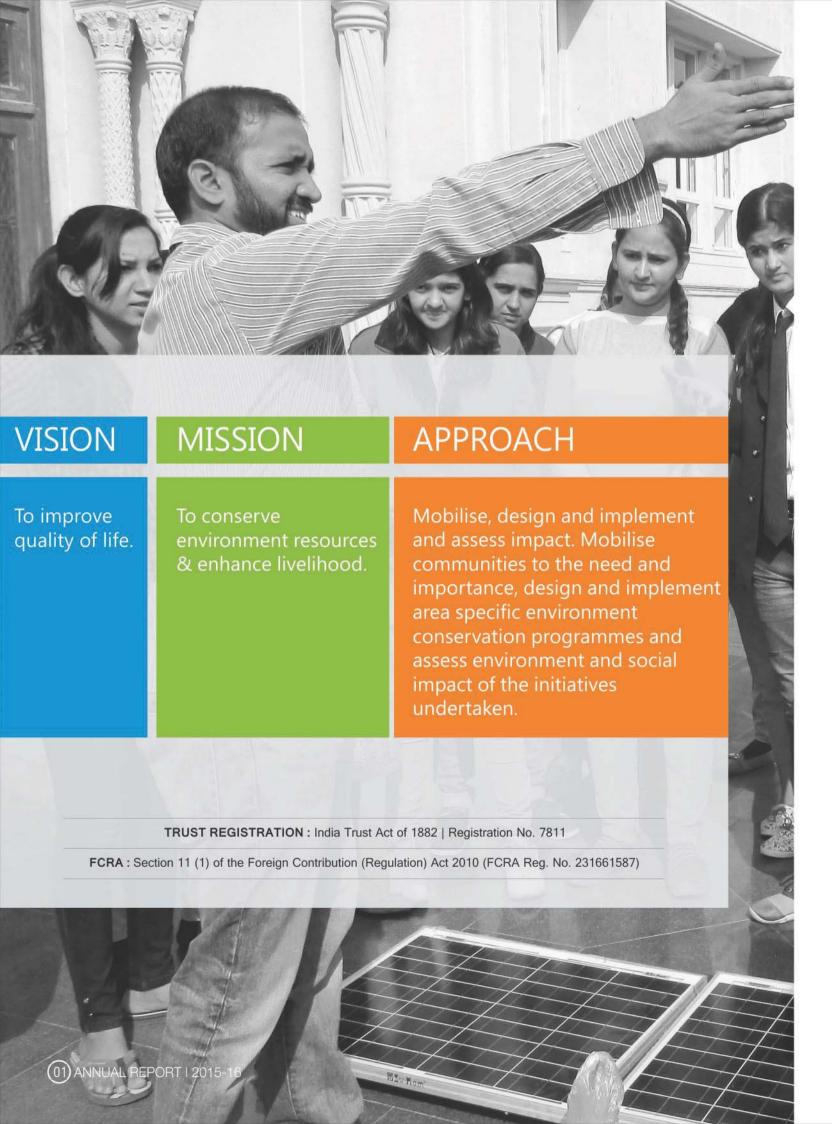
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ADVIT FOUNDATION - BRIEF PROFILE

Advit Foundation (www.advit.org) is a not for profit development organization, registered in India working for Conservation of Environment Resources and Livelihood Enhancement. Advit is the managing partner for running the Solar Information Centre at The National Institute of Solar Energy, Ministry of New and Renewable Energy, GoI. Advit was the state nodal partner managing the Rajiv Gandhi Renewable Energy Park in Gurgaon for Haryana Government from 2009-2015. Since inception, Advit has sought to conserve environment and empower communities through viable options of environment conservation and sustainable development.

With a vision of promoting approaches to sustainable evelopment, Advit's work focuses on improving living / working space through improved environment conditions, promoting environment education and conservation practices. This is undertaken using information and communication systems tools and providing environment education and conservation services.

The prime areas of field implementation work include – water conservation, occupational health and safety, energy efficiency, renewable energy promotion and skill development.

Forward linkages are sought through outreach programmes, capacity building and entrepreneurship development. Conservation work is undertaken by identifying local needs, selecting, improving, adopting & developing appropriate implementation plans.

Advit operates through the following project areas:

Awareness

Advit strives to generate awareness on the need to educate, provide a platform for learning to all and impart the importance of conserving environment and conserving resources in our everyday life. Activities focus on all section of the society.

Education

The vision is to create & nurture a learning culture

that believes in & breathes change through education. Through change we look towards the infinite possibilities that can be created for the positive development of children and adults. Advit designs & implements environmental training programmes pertinent to:

- Skill development and undertaking village development models that help in livelihood enhancement among communities.
- Environment education in schools and other educational institutes.
- Facilitating environment compliance in industries - Trainings on occupational health and safety, safe chemical handling and disposal, implementation of water conservation models, undertaking energy audits, industry production process documentation and resource conservation in processes.
- Information dissemination and entrepreneurship development on energy efficiency, solar installations and waste management.

Awards

- Awarded for the best 'Beyond the Fence Project' by CII, 2009
- The organisation's founder director awarded the Women International Award in 2014
- President, Advit Foundation awarded the Impact Award for Skill Development at the Impact Conclave by Sambodhi in partnership with Bill and Melinda Gates Foundation, SIDBLYES Bank in 2016

Affiliations and Partnerships

- Managing Partner of National Institute of Solar Energy running the Solar Information Centre set up by the Ministry of New and Renewable Energy, Govt. of India.
- Advit is a training partner with the Electronics Sector Skills Council of India (ESSCI) and manages the Centre of Excellence on Solar setup by ESSCI at NISE.
- Advit is a training partner with HARTRON (Haryana State Electronics Development Corporation Ltd.) for Solar Electronics and has set up a Solar Lab in HARTRON Gurgaon.

 Advit was the Managing Partner running the State Level Rajiv Gandhi Renewable Energy Park (www.energycentre.in) at Gurgaon, set up by HAREDA (Haryana Renewable Energy Development Agency) from 2009-2015.

PROGRAMME IMPACT



Created more than 2,50,000 cu m water storage capacity

- 1. Directly benefitted 5 villages with a population of about 8,000 individuals
- 2. Ensures water availability for drinking, sanitation, livestock and agriculture
- 3. Recharged more than 100 wells
- 4. More than 1500 livestock benefitted
- 5. Reduced salinity and fluoride in 5 villages

Created 1000 solar electricians

- 1. Trained 10th pass students from ITIs
- 2. Undertook training in 11 educational institutes across Delhi, Gurgaon, Faridabad, Sikar & backward district of Mahendergarh





Carbon offsetting - tree planting

- 1. Planted 150 trees in 3 government schools
- 2. Mobilized 450 students

Trained 150 shop floor workers on safe chemical handling and disposal

1. Undertook training in 4 factories







PROGRAMME CENTRES

Energy Centre

- Renewable Energy Information Centre
 - 1. Rajiv Gandhi Renewable Energy Park, HAREDA (Till December 2015)
 - 2. National Institute of Solar Energy (NISE), MNRE
 - 3. Solar laboratory at HARTON
- Renewable Energy Awareness Programmes
- Resource efficiency in industries
- Technology demonstration and dissemination

Water Centre

- Watershed
- Village development through watershed approach
- Community mobilization & capacity building
- Roof top water harvesting

Eco Initiatives

- Environment education programmes
- Green space development
- Waste management

Centre for Learning

- Occupational Health & Safety Training
- Safe Chemical Handling Training
- Solar Electrical Training
- Skill centre for promoting rural employability
- Project baseline & impact assessment studies



Training Provider

This is to certify that

Advit Foundation

is Training Provider of

Electronics Sector Skills Council of India effective from 30th April 2015.

Membership No. TP/31

Valid till: April 2016

Mkmohapatra Mr. N K Mohapatra

Chief Executive Officer

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ENERGY CENTRE

This is the energy efficiency & renewable energy promotion programme. Skill upgradation training & awareness sessions are undertaken to spread knowledge & skills on solar electrical. Training of trainer trainings, installation and technician training are undertaken. Advit Foundation has been accredited as the CSR partner in Haryana for undertaking solar electrical trainings. Advit is an identified training partner with the Electronics Sector Skills Council of India (ESSCI) for solar trainings.

Centre for Excellence on Solar **Electronics, NISE**

Advit Foundation has been designated as the managing partner to operate the Centre of Excellence (CoE) on Solar Electronics by Electronics Sector Skills Council of India (ESSCI). This is located at the National Institute of Solar Energy (NISE), MNRE.

Working towards the National Solar Mission, training of trainers programme is undertaken at the CoE. A laboratory is set up where hands on training is organized along with the class room

This year, 2 Training of trainer programmes have been conducted with a total of 30 trained candidates. This programme is detailed in nature and covers a wide range of topics from Solar Photovoltaic basics to entrepreneurship and soft skills. The trainers were assessed and certified by the ESSCI.

Rajiv Gandhi Renewable Energy **Park - Information Centre**

The Rajiv Gandhi Renewable Energy Park (RGREP) is an energy information centre situated in Leisure Valley, Sector 29 Gurgaon. This centre was managed by Advit for the Harvana Renewable Energy Development Agency (HAREDA) till December 2015.

Advit Foundation, at the Energy Centre brought together communities, industries and

government. Through various activities workshops, training programmes and awareness drives, the Energy Centre promotes energy efficiency, renewable energy, climate mitigation (carbon neutral options) and environment friendly technologies for benefit of civil society as well as business establishments. The target of this Centre is promoting carbon neutrality among corporates as well as individuals in Gurgaon region.

Activities and Initiatives of the Energy Centre

- Capacity building, awareness building and educating citizens / RWAs & students on energy efficiency, climate mitigation including demonstration of various clean technologies, gadgets and training on impacts of climate change and necessity to contribute to climate mitigation. A few examples include promoting solar cooking in rural & urban areas, rural electrification through solar and technician trainings.
- Work with industry to enable them to adopt newer and cleaner technologies, gain energy efficiency and design and implement a sustainable development
- Enable corporate houses to become climate and environment responsible by helping them devise CSR strategies focused on renewable energy areas and help implement the same.
- Create a market place to bring together Indian industries based in Gurgaon and also other parts of India and international technology and solution providers.
- Provide a platform for technology innovators to find market, investors and support from national and international agencies.
- Promote low carbon food options.

Activities conducted at RGREP in 2015-16

School visits

More than 900 school students visited RGREP in FY 2015-16 till December 2015 from 10 different schools. Awareness sessions on energy efficiency and resource management were conducted along with hands on sessions on solar cooking and solar product making.

Impact

- 1. Reached out to 10 local schools
- 2. More than 900 students have directly been imparted awareness on energy efficiency, renewable energy, and sustainable practices. Each student has the potential to influence at least 4 more students taking the total of direct and indirect beneficiaries to around 3600.

Solar energy workshop for school children

A summer workshop on solar and energy efficiency was conducted for school children. They learnt the basics of photovoltaics & home energy auditing. At the end of the 3 day workshop, each child built a solar powered toy car.

Impact

- 1. The three day workshop had around 25 children participating from 6th to 9th standard.
- 2. The children have been taught concepts like photovoltaic effect and energy efficiency.
- 3. They have also been trained to use multi-meters and soldering irons which makes them better prepared to be future engineers and scientists.

Solar Laboratory at HARTRON

A MoU between Applied Materials Inc and the Haryana Government has designated Advit Foundation as the training partner in Haryana to conduct skill upgradation training on Solar. As a result of this, a Solar Laboratory has been setup at the Haryana State Electronics Development Corporation, HARTRON.

Through this centre, Advit is reaching out to vocational candidates and electricians and imparting the Solar skill upgradation programme. The first batch was conducted in HARTRON with 15 candidates. The candidates were assessed and certified by the ESSCI. Subsequently, training programmes have been conducted in the nearby Industrial Training Institutes in Gurgaon and Sohna with more than 200 candidates.

WATER CENTRE

Water is a scarce resource. Conservation of each drop of water acquires importance in light of the gravity of the situation. Through community partnership Advit has designed and implemented a number of water conservation structures to recharge ground water.

Small check dams are built to prevent the seasonal rain water from flowing away. They are built for two purposes - The rain water accumulated recharges surrounding wells and ensures water for drinking. It ensures water availability for livestock. Additionally they also increase soil moisture thereby improving cropping pattern, ensure water availability for agriculture and sanitation.

Advit, since 2006 has been working in Phagi & Rothwara block. Over the years eight watershed structures have been made with a water storage capacity of more than 2,50,000 cu m of water.

Location Map





List of beneficiaries - Water Project (2006)

S.No.	Name of Village	HQ Panchayat	Population
1.	Bhimpura	Rothwara	600
2.	Kiratpura	Rothwara	700
3.	Sanwal	Rothwara	500
4.	Chandawas	Phagi	500
5.	Navalkishorepura	Phagi	425

Water Project (2015)

S.No.	Name of Village	HQ Panchayat	Population
1.	Awandia	Phagi	1085
2.	Jodinda	Phagi	1345
3.	Pachala	Phagi	1268
4.	Sawa ka baas	Phagi	1097

BHIMPURA





KIRATPURA





CHANDAWAS





SANWAL





NAVALKISHOREPURA





AWANDIA





JODINDA





PACHALA





SAWA KA BAAS





Environment and Social Impact

- 1. More than 25,000 communities have benefitted with the intervention of Advit Foundation.
- 2. More than 1000 livestock get water from these structures.
- 3. There is increase in soil moisture thereby the cropping pattern has improved four folds.
- 4. The women have to walk less to get water.
- 5. Fluoride has reduced in the project villages and in one village it is completely eliminated.
- 6. More than 100 wells in the villages are filled with water.
- 7. Water user groups have been created to maintain the water structures, ensuring sustainability.
- 8. Water is available in the constructed structures for almost 10 months for drinking, agriculture, sanitation and livestock. A few water structures have water all through the 12 months as well.

Way Ahead

In 2016, Advit has planned construction of 7 more water harvesting structures in Phagi block. This will add another 35,000 to 40,000 cu.m of storage capacity in the region.

As part of our watershed approach to village development, the following development projects have been planned for the coming year.

- 1. Solar home lighting of 2500 household spread across 5 villages in Phagi block. As on April 2016, 300 households have been installed with solar home lighting systems.
- 2. Initiating a skill development centre in village Pachala, Phagi to undertake skill development programmes for the women and the unemployed. Skills such as Solar cooker making (from brick and mortar), Masala grinding and packaging, Tailoring and stitching, Dari making, Soap making. Candle making and much more are being planned.
- 3. Construction of separate boys and girls toilets in 5 schools. This will address the alarmingly high drop-out rate of girls owing to poor sanitary facilities in the school.
- Installation of solar pump on water harvesting structures. This will give the community a clean
 and economical source of pumping water. The water could be pumped to the nearby fields or to
 community toilets.
- Construction of a community toilet complex. This is a stepping stone towards improved sanitation in the region. Pit type toilets will be constructed. Special enzymes shall be used to convert the waste to manure.
- 6. Connect these project villages to rural tourism for sustainability.



ECO-INITIATIVES

Prakriti Eco-School Programme

This is an environment awareness education programme for children. Children from all sections of society and from both formal and informal schools participate in this programme. There are awareness sessions on resource conservation, waste management and energy efficiency followed by implementation and assessment by the children themselves. A few implementation activities include undertaking tree plantation, growing your own food, set up of plant nursery, segregation and composting of waste, reusing and recycling waste products for use.

Till now more than 150 schools have participated in this programme. The project has had more than 50,000 direct beneficiaries.

This year, Advit worked with three government schools with a direct beneficiaries of more than 450 students. The total area brought under green space development both for trees and vegetables is more than 1 acre where more than 5 varieties of vegetables and 5 varieties of herbs were planted and harvested every 3 months. 150 trees were planted in the three schools.

Trees were planted in rows in the schools or along the periphery. Various fruiting trees like guava, pomegranate and lemon along with flowering trees like bougainvillea, champa and amaltas have been planted at the site with 100% survival rate. In the vegetable gardens bottle gourd, cauliflower, spinach, fenugreek, radish and brinjal were planted and harvested. In the Herbal garden, aloe vera, henna, tulsi, lemon grass and curry leaves were planted.

Advit has also facilitated the construction of separate girls and boys toilet at one of the government schools where plantation activity was done in the previous year.





CENTER FOR LEARNING

This programme focuses on creating & grooming leaders for the future. Over the years more than 100 trainings have been undertaken. The trainings have been for all sections of people – creating rural entrepreneurs, students in college, vocational institutes, self employed peri urban masses, shop floor workers, corporate co workers and the like.

Programmes conducted

- Solar electrical training session with a total of 1011 trained candidates. It includes class room, hands on practical sessions and field visit/industrial exposure.
- Safe chemical trainings for shop floor workers of Textile industry.
- Trainings on energy efficiency for resource management in industries and Solar Photo Voltaic installations

Trainings - 2015-16

- Training of 1011 candidates from engineering as well as vocational background in the basics of Solar photovoltaic technology, its installation and maintenance
- Online training on solar photovoltaics candidates undertook training through the online mode.
- Safe chemical handling trainings were conducted in apparel industry with around 150 shop floor workers trained

- Training on basics of Solar Photovoltaics and Solar home Lighting system for Corporate co-workers. This programme was then extended to Solar home lighting initiatives in Gairatpu Bas in Gurgaon District. 100 households have been installed with solar home lighting systems.
- A solar toy car making workshop was organized for the corporate co-workers and their families.

Way Ahead

In the upcoming year, a combination of student training and training of trainers is planned. Along with the trainings, entrepreneurship models are proposed which will focus on creating Solar microgrids to electrify the villages in Rajasthan where Advi has been working on water conservation. This initiative will use the trained candidates from the Centre of Learning programme to implement activities as part of the Water and Energy Centre programmes.

Apart from the trainings, a few impact assessment and baseline studies were undertaken this year.

Impact Assessments

- 1. Impact assessment of CSR activities of IOCL R & D across 4 villages in Faridabad district.
- Impact assessment of Skill development programmes of RECL, implemented by CIDC Faridabad.

Baseline study

1. 5 villages in Karoda Panchayat, Behror, Rajasthan were studied to undertake development initiatives primarily focused around water harvesting and conservation.













CHEMICAL TRAINING















"Previously, there used to be severe shortage of water in our village. The nearby villages under Pachala panchayat were also facing problems. Ever since madamji (Charu Jain) and her team has started their work here, we have seen improvement in water. Salinity and fluoride levels have improved. Availability has also improved. Our hand pumps and wells have enough water now to last for 2 years."

Sandeep Kumar Yadav – Principal, Government School, Rosewood City



"The plantation programme by Advit Foundation at our school was very good. The students learnt a lot and enjoyed planting and harvesting vegetables. We have received positive response from the parents too who were happy to see their children learning how to grow nutritious food. The Pomegranate and Guava trees that were planted have started to bear fruits and the students are excited. Separate boys' and girls' toilets have also been constructed in our school. We would like to see more such programmes from Advit in the future"



COMMEMORATION CERTIFICATE

विद्यार्थियों को किया सौर ऊर्जा संरक्षक के बारे में जागरूक



ऊर्जा को बढाने तथा उसको

सर्वेदमद, राजवंदान के बीरान उपरिचात आरपीएन करिनेत्र के किवार्स के किवा

मासकर न्यूज महेदमद

सीर ऊर्जा के महत्व के बारे में योगदान रहेगा। इस मौके पर गुहुगांचा विद्यार्थियों को जागरूक करने के एनजीओ प्रारंदेशन के प्रधान लिए आरपीएस इनीनियरिंग कॉलेज सभी विद्याचियों को ऊर्जा के वंजे पताना तीन दिवसीय सीर कर्जा की स्थापना एवं एक रखाय के सोमनार कार्यक्रम को सोमवार बारे में बताया। उन्होंने कार्यक्रम को जागापन किया गया। कार्यक्रम के दौरान और उन्नां प्रयोगशास ब का शामारंभ संस्था के संस्थापक बचेरी के माध्यम से विद्यार्थियों को निदेशक हों, ओपी पादव, हों, जानकारी दी। नरेश बादव दीन डॉ. राजेंद्र वादव, इस मीके पर उन्होंने फोटो-रजिस्टार की देवंद यादव ग्राग किया - वॉल्टिक शैल के माध्यम में सौर गया। इस मील घर आरपीएम

हिलेज के होन हो, राजेंद्र वादव सुरक्षित रखने के लिए विद्यार्थिक ने कहा कि यह कार्यक्रम अदितीय को महत्वपूर्ण जानकारी प्रदान की फाउंडेशन द्वारा आयोजित किया विद्यार्थियों को संबोधित करते हुए गया। कार्यक्रम के दौरान अदितीय कॉलेज के बायरेक्टर महेश यादव पराजेशन की प्रेसीडेंट संदर्भेली कहा कि आरपीएस कॉलेज अदिती चंद्र शंकर व प्रभारी प्रकाश चंद्रने ने पाउँडेशन के इस सरहनीय कार्य मे भारत में आज के समय सीर कर्जा रहेगा। इस मीके पर आरपीएस पुप की आवरपकता तथा देश में कर्जा की तरफ से मौर कर्जा को बढ़ा को सुधाक रूप से केरी रखने तथा के लिए एनजीओं प्रेजीवेंट को भोरत सरकार द्वारा सीर जार्जा के बारे विश्वास दिलाया गया। कार्यक में विस्तार एवंक जनकारी दी।

इस गीक पर छन्होंने भारत अनुराग, कर्मवीर, महेश, सुमि सरकार को योजना के बारे में ठाजां पूजा, प्रधीन, निविन लोकेश साहित क क्षेत्र में 2022 तक 100000 समस्त स्टाफ सरदस्य व विद्यार्थ गाधाट रसों है। इस कांत्रन लक्ष्य भौजूद थे।

प्रशिक्षण शिविर आईटीआई में कल से

महेंद्रगढ । अदित्य फाउंडेशन सौरऊर्जा प्रशिक्षण कार्यक्रम आईटीआई महेंद्रगढ में किया जाएगा। जानकारी देते हए अदित्य फाउंडेशन के प्रधान चन्द्रमोली ने बताया कि तीन दिवसीय सौरऊर्जा प्रशिक्षण कार्यक्रम सोमवार से शरू होकर 23 सितंबर तक चलेगा। कार्यक्रम में आईटीआई महेंद्रगढ़ के छात्रों को सौर ऊर्जा के यंत्रों की स्थापना एवं रखरखाव के बारे में निःशुल्क प्रशिक्षण दिया जाएगा। उन्होंने बताया कि भारत में सौर ऊर्जा का लक्ष्य एक लाख मेगावाट है। यह लक्ष्य हमें 2022 तक परा करना है। इस लक्ष्य को पूरा करने के लिए सौरकर्जा से परिचित एवं कराल कारीगरों द्वारा विद्यार्थियों को प्रशिक्षण दिया जाएगा।

> तीन दिवसीय सौर उर्जा सेमिनार कार्यक्रम का हुआ समापन



जागरूक करते के लिए कृष्णा पब्लिक स्कूल गृहा में आयोजित दिन दिवसीय सौर उर्जा सेमिनार का गुरुवार को समापन किया गया। जानकारी देते हुए संस्था के चेत्रस्मैन बलदेव कृष्ण ने कहा कि यह कार्यक्रम अद्वितीय फाउंडेशन द्वारा आयोजित किया गया था। कार्यक्रम के दौरान अद्वितीय फाउंडेशन के प्रेमीडेंट चंद्रमोली चंद्र शंकर व प्रकाश कमार चंद्रम प्रभारी ने शिक्षकों व उपस्थित विद्यार्थियों को भारत में आज के समय में सौर उर्जा की आवश्यकता, देश में सौर उर्जा को सुचारू रूप में जारी रखने तथा सौर उजां लगाने पर भारत मरकार द्वारा फिलने वाली सुविधाओं के बारे में विस्तार एवंक जानकारी दी। इस मौके पर विद्यालय की प्राचार्य रेखा छाबड़ा ने कहा कि कृष्णा पब्लिक स्कूल सीर उर्जा के लिए प्रयोगशाला संचालित करवाने वाला क्षेत्र का पहला विद्यालय है। उन्होंने एनजीओ के प्रेजीडेंट का स्कूल में पहुंचने के लिए धन्यवाद दिया। कार्यक्रम में अंत में विद्यालय के निदेशक गुलशन छाबड़ा ने सभी विद्यार्थियों को प्रशस्ति पत्र देकर सम्मनित किया।



Commemoration of Commitment to Social Responsibility

SOLAR SKILL TRAINING FOR THE STATE OF HARYANA

Whereas. The National Solar Mission, an initiative of the Government of India and State Governments, promotes ecologically sustainable growth while addressing India's energy security challenges. The Mission intends to expand the use and knowledge of solar energy in India; and

Whereas, Applied Materials, the global leader in materials engineering solutions for the semiconductor, flat panel display and solar photovoltaic (PV) industries with a history of strong academic collaborations, is committed to corporate social responsibility in India and other locations around the globe where it has operations, and

Whereas, The National Solar Mission has identified the lack of trained technicians available to market and facilitate solar installations, to provide after sales service, and to maintain systems as a major factor currently limiting the adoption of alternative energy options; and

Whereas, Applied Materials, acting on its commitment to make a positive social contribution, has made a charitable donation to the Advit Foundation in New Delhi, India; and

Whereas, The Advit Foundation, an empaneled Electronics Sector Skill Council training partner for the solar industry and an implementation partner to the Ministry of New and Renewable Energy (MNRE), will provide a Solar PV Training Programme to 1,000 aspirants. The Advit Foundation is also managing the Energy Park for HAREDA in Gurgaon/Sector 29; and

Whereas, As a result of the Advit Foundation's work, it is estimated that 500-1,000 newly-trained solar PV-skilled technicians will be available to serve the State of Haryana during 2015-2016. In addition, the project will work to increase awareness on renewable energy technologies in the country and to share best practices among all stakeholders in the value chain.

Bit Whitness Whereof, this Commemoration has been executed in duplicate by the parties on August 20, 2015 in Silicon Valley, USA.

orporate Vice President Communications and Public Affairs State of Haryana, Government of India

Han'ble Chief Ministe

BALANCE SHEET

