

Curriculum Vitae

Name : **Varun Gaur**
Address : Am Jesuitenhof 3, Zimmer 002, Bonn (53117), Germany
Mobile : +49 (0) 15777804831
Email : varungaur.engg@gmail.com
Nationality : Indian
Date of Birth : 20-05-1985
Gender : Male

Education and Training:

- Masters of Science in Renewable Energy from University of Oldenburg, Germany [2011-2013]
- Bachelors of Technology in Electronics, from Guru Gobind Singh Indraprastha University, New Delhi, India [2003-2007]

Work Experience:

- 1. Research Associate in TERI (The Energy and Resources Institute), India [04/06/2007 – Till date];** TERI is a renowned Think Tank in the field of Renewable Energy and Sustainable Development; TERI is headed by Dr RK Pachauri (Chairman of UN's IPCC (Inter Governmental Panel on Climate Change))

Main Activities in TERI:

- a. Feasibility studies (Business) of Solar PV projects (majorly Off Grid) in India, South East Asia (Indonesia, Cambodia etc) and Pacific Islands (e.g. Papua New Guinea)
- b. Development and Execution of customized business models for off grid Solar PV projects in the above mentioned countries. This involved: project proposals, designing technical as well as financial models, project execution and writing project reports [worked for the projects involving national as well as international entities such as Indian Government, Indian Corporates, United Nations, Asian Development Bank, European Union etc)
- c. Project Proposals for mobilizing funding for the above mentioned projects (from different funding and lending organizations such as multilateral organizations, banks etc.)
- d. Assisting senior management in national as well as international collaborations in the field of Renewables (Assistance to secretariat of Energy for All program of Asian Development Bank)
- e. Team Leader: Training of Trainers (Lecturers) program in Solar Energy, under the Capacity Building Program of MNRE (Ministry of New and Renewable Energy), India
- f. Team Leader: Developing Technology Resource Centres (Network of After Sales service support) for TERI's Off Grid Solar program (LaBL)

- g. Regular assessment of Indian Renewable Energy policies (Grid Connected and Off Grid policies)
- h. Publications (Articles) in the field of Decentralized Solar PV
 - Lighting up Cambodia: The Solar Way
 - Solar Energy on the move (Battery Operated Vehicles in India)
 - Survey of Solar Lanterns in India

Note: I am currently on a study leave from TERI

2. Intern with IRENA (International Renewable Energy Agency), Bonn [May, 2013 till date]

Main Activity in IRENA:

- a. Working on REMAP (Renewable Energy Roadmap-2030) analysis for India, Denmark and Mexico: The project envisages pathways for doubling Renewable Energy share by 2030. My job is to identify possible renewable energy options in the respective countries (in the field of Power, Industry, Buildings and Transport), their potentials of substituting Fossil Fuel technologies and the cost implications.

3. Worked as Freelancer with energy&meteo systems GmbH, Germany [February, 2012 till February, 2013];

Main Activities in energy&meteo systems:

- a. Assessment Report on Indian Electricity Sector and the Renewable Energy Policies
- b. Collaboration with Indian Renewable Energy companies for wind power forecasting trial
- c. Trial of “Preventio” Wind Power Forecasting model in India

4. Intern with GIZ, Germany [September, 2012 till March, 2013];

Main Activities in GIZ:

- a. Scoping Mission to Philippines for understanding its Off-Grid Electrification sector (with focus on Islands)
- b. Financial Modelling of injecting Solar into existing Diesel Mini Grids in Philippines Islands
- c. Understanding and documenting Off grid Electricity Policies in Philippines

Major Achievements

- Academic Record of securing more than 80% marks throughout in studies
- Team Leader in many important Renewable Energy Projects of TERI in Asian region
- Articles on Renewable Energy Topics in renowned Indian Solar magazine namely ' The Solar Quarterly'
- Remained Head Boy of DAV Public School, Noida (Run by renowned Education society of India) & Special Advisor to Student Council of my Engineering Institute (University)
- National Level Player of Softball in India

Note: Professional references are on the next page.

(II) Professional References

1) Dr Detlev Heinemann,

Senior Scientist

Department of Energy and Semiconductor Research

University of Oldenburg, Germany

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2) Ms Asami Miketa

Senior Program Officer

International Renewable Energy Agency (IRENA)

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3) Mr Tobias Cossen

Project Manager, Renewable Energy Project Development Programme (PDP)

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4) Dr Konrad Blum,

Lecturer

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IRENA SECRETARIAT
Innovation and Technology
Centre



Bonn, August 7th 2013

To: Whom it may concern

Dear Sir/Madam,

Mr. Varun Gaur, born on May 20th 1985, is serving an internship with IRENA Innovation and Technology Center (IITC), Germany starting from May 5th 2013. IRENA (International Renewable Energy Agency) is an inter-governmental organization, mandated by Governments worldwide to promote the widespread and increased adoption and sustainable use of all forms of renewable energy. REMAP 2030 is a flagship program of IRENA, which explores different pathways and action items required to achieve the aspirational target of doubling the share of renewables in the global energy mix as defined under the UN Secretary-General Sustainable Energy for All (SE4ALL) initiative.

The purpose of the internship programme is to provide a framework through which graduate and/or university students from diverse academic backgrounds may be assigned to the IRENA to enhance their educational experience through practical work assignments.

During his internship, Mr. Gaur has worked on REMAP country analysis of India, Mexico and Denmark. He has identified possible technology options to increase Renewable Energy share in the mentioned countries and assessed their potentials and cost. Mr Gaur has worked with IRENA colleagues and important external stakeholders. At regular intervals, Mr Gaur has presented his analysis to the IRENA colleagues. His work was well appreciated within IRENA. His draft country REMAP analysis have also been shared with the respective governments.

Mr. Gaur has proven be an excellent team player. He has concluded every task which was given to him within a short timeframe and demonstrated a proactive and hardworking attitude. Although being actively involved in the daily routine of IITC team, Mr. Gaur showed flexibility and maturity by completing his REMAP country analysis in a timely and professional manner. The high quality of his written contributions shows his expertise in the energy field.

We are thankful for the good services he rendered to us and wish him all the best for his further career, fully recommending him for a professional position.

Sincerely yours,

Dolf Gielen

Director IITC

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Robert Schuman Platz 3,
53175 Bonn



To whom it may concern

Mr. Varun Gaur, born on May 20th 1985, served an internship to write his master thesis for the Master's Programme "Renewable Energy" of the University of Oldenburg, Germany from September 1st 2012 to February 28th 2013.

His internship took place within the Renewable Energy Project Development Programme, which is implemented by the *Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH* (German Development Agency) within the "renewables – Made in Germany" initiative of the German Federal Ministry of Economics and Technology (BMWi).

The *Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH* is a federal organization with worldwide operations. It supports the German Government in the field of international cooperation for sustainable development and in international education work. GIZ helps people and societies improve their prospects and living conditions.

The internship program supported by GIZ intends to familiarize enthusiastic students of tertiary education with approaches, tools and instruments in GIZ's day-to-day operations in the field of development cooperation. The aim is to educate and train well-suited future junior professionals, who will be considered in future, if necessities arise.

During his internship, Mr. Gaur focused on his master thesis "Technical and financial feasibility study of injecting solar photovoltaic into the existing diesel mini grid in a Philippine island". Mr. Gaur researched extensively existing mini grids throughout Southeast Asia to assess the experiences that have been made. In preparation of the specific topic, GIZ sent him to a three days' Solar PV workshop being held by SMA, a well reputed German manufacturer of inverters. Additionally, he participated in a number of related conferences held by universities and academic institutes in Berlin and showed great personal and professional interest on this topic.

He approached actively the GIZ colleagues not only at headquarters in Eschborn/Germany, but also the ones based in Manila/Philippines who are consulting the government entities about the implementation of renewable energies and who supported his research. At the end of his internship, Mr. Gaur planned, coordinated and conducted in a precise and goal oriented manner a scoping mission to the Philippines in order to compile the empiric database for his master thesis. Apart from interviewing numerous stakeholders from governmental entities, he was able to travel to three remote islands in order to assess the electrification and conduct household interviews.

Being back in Berlin, Mr. Gaur processed quickly the data and presented the preliminary results during a high level meeting organized by GIZ of the private sector concerning photovoltaic-diesel mini grids. His findings were highly appreciated not only by his GIZ colleagues in Germany and the Philippines, but also by the private sector that was keen to know more about this growing market segment.

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Cornelia Richter

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He approached actively the GIZ colleagues not only at headquarters in Eschborn/Germany, but also the ones based in Manila/Philippines who are consulting the government entities about the implementation of renewable energies and who supported his research. At the end of his internship, Mr. Gaur planned, coordinated and conducted in a precise and goal oriented manner a scoping mission to the Philippines in order to compile the empiric database for his master thesis. Apart from interviewing numerous stakeholders from governmental entities, he was able to travel to three remote islands in order to assess the electrification and conduct household interviews.

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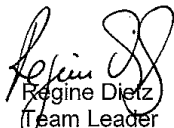
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Despite of being new to the team and GIZ itself, Mr. Gaur was able to incorporate himself very quickly into the existing work structure and proofed to be an excellent team player. He concluded every task which was given to him within a short timeframe and demonstrated at every time a proactive and hardworking attitude. Although being actively involved in the daily routine of the Project Development Programme team, Mr. Gaur showed enormous flexibility and responsibility for his master thesis by executing a superb-planned mission to the islands in coordination with various internal and external stakeholders.

We are thankful for the good services he rendered to us and wish him all the best for his further career, fully recommending him for a professional position.

Berlin, March 6th 2013



Regine Dietz
Team Leader

Renewable Energy Project Development Programme

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