

### Personal Details

Date of Birth 22.01.1985  
Nationality Indian  
Marital Status Married  
Work Permit India and Germany  
Contact Sommerberg 16,  
79256 Buchenbach, Germany  
Tel: + 49(0) 15171333737  
E-Mail: [senrohit22@gmail.com](mailto:senrohit22@gmail.com)  
LinkedIn Profile: <https://www.linkedin.com/in/rohit-sen-5b53643b/>



### Professional Experience

- 01.09.2018 – till now ***Strategic Cooperation and Business Development Manager***  
bettervest GmbH, Frankfurt, Germany.  
<https://www.bettervest.com/home>
1. Business Development in south Asia, south east Asia and Africa with partial Sales tasks.
  2. Strategic collaboration & partnerships. Successfully executed cooperation between bettervest GmbH and GIZ, Winrock International, UNDP, USAID-PATRP and others.
- 01.07.2016 – 31.08.2018 ***Engineer and Project Manager***  
bettervest GmbH, Frankfurt, Germany.  
<https://www.bettervest.com/home>  
Assess International and German projects for techno-economic viability & financial feasibility for Crowdfunding.
- Technology – RETs, Solar Photovoltaics, CHP, Heat pumps, Energy Efficiency.
  - Technical Due Diligence - Technical Assessment, Techno-Economic Analysis, Business model assessment.
  - Project Management - Project coordination → Energy Consultants, Client Management → Project Owners, Data management.
  - Internal management of Projects - Crowdfunding platform → backend management, IT Admin Tasks.
  - Actual international projects in: - Benin, Egypt, Namibia, Germany, Ghana, India, Nigeria.
- 01.11.2015 – 30.09.2016 ***Research Assistant (part-time)***  
Offenburg University of Applied Sciences, Germany.  
<http://www.hs-offenburg.de/>  
Project - Micro Virtual Power Plants
- Research on virtual power plants
  - Research on Flexibility and optimization of micro CHP plants
  - Identification and assessment of revenue potential

- Assessment of potential for smart grids and climate protection

01.01.2015 – 30.09.2015

### ***Mechanical Design Engineer***

METEC Ingenieur AG, Stuttgart, Germany. <http://web.metec-ag.de>

- Mechanical drawings and 2D/3D CAD on Solid Edge
- Early Stage Researcher – EU Project PROTOTOUCH

05.06.2014 – 31.12.2014

### ***Qualified Technical (STEM/MINT) Professional***

(Make it in Germany - **Traineeship Program**) [www.make-it-in-germany.com](http://www.make-it-in-germany.com)

The Federal Ministry for Economics and Energy Affairs (BMWi),  
Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)

- German language course B1 & B2 – telc German Certification
- Technical language and business communication skills training
- Intercultural Training
- Internship at METEC Ingenieur AG

12.12.2011 – 04.06.2014

### ***Research Associate (Renewable Energy),***

Energy Environment Technology Development Division

The Energy & Resources Institute (TERI), New Delhi, India. [www.teriin.org](http://www.teriin.org)

### ***PROJECTS***

- (*Principle Investigator*): Commercialization of **Smart Mini Grids** in India: development of a financial framework, with DFID
- (*Principle Lead*): India-Japan Energy Forum 2013; Study for Development of **Small Wind Power and Small Hydro Power** in India with NEDO-Japan.
- (*Team Member*): *OASYS South Asia*; **Decentralized off-grid generation** in developing countries: **Business models for off-grid electricity supply**.
- (*Team Member*): Strategic, analytic & review white paper on **National Solar Mission of India**.
- (*Team Member*): Feasibility study “Optimization of Solar Charging Stations, options for smart metering, monitoring systems, and establishment of solar multi utility for livelihood generation activities in the Sunderbans”.
- (*Principle Investigator*): Feasibility study for **Plug-in Hybrid (PHEV)** public transport fleet in Indian cities towards improved vehicle efficiency and **supporting ancillary services in power markets**
- (*Team Member*): **Norwegian Framework Agreement**; Innovation to bring clean energy for livelihood.
- (*Team Member*): Regional trends in **Electro-mobility**: India Country study
- (*Team Member*): **TEDDY14**; TERI Energy Data Directory Yearbook 2013-14.

01.02.2009 – 30.11.2009

### ***Consultant-Business Development***

Platinum Communications Pvt. Ltd. New Delhi, India. [www.madisonindia.com](http://www.madisonindia.com)

- Business Development – retail & exhibitions management
- Project management and client servicing

05.11.2007 – 30.06.2008

### ***Graduate Engineer Trainee***

HUBER – GM Equipments Pvt. Ltd. New Delhi, India. [www.huber.de](http://www.huber.de),  
[www.geomiller.com](http://www.geomiller.com)

- Huber Equipments– Technologies analysis;
- Sewage Treatment Plant / Effluent Treatment Plant Project Management
- Coordination & management between the German and Indian team.

### Educational Qualifications

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01.10.2015 – 30.08.2017	<b>M.Sc. Energy Conversion and Management</b> Hochschule Offenburg, Offenburg, Germany. <a href="http://www.hs-offenburg.de/">http://www.hs-offenburg.de/</a> Overall grade (2,3) <b>Major subjects:</b> - Energy Economics, Energy Marketing in Germany, Industrial Energy Management, Management of Consultancies, Managing Complexity, Risk Management, Safety Engineering, Benchmarking, Planning & Operation of Energy Conversion Facilities. <b>Masters research thesis:</b> - CO <sub>2</sub> emissions reduction potential from a cluster of small scale CHP plants. (Grade: 2,0)
01.09.2010 – 30.09.2011	<b>Master of Science in Renewable Energy and Environmental Modelling,</b> University of Dundee, Scotland, United Kingdom. <a href="http://www.dundee.ac.uk">www.dundee.ac.uk</a> Degree with Distinction (Grade/Mark: A2) <b>Major subjects:</b> - Renewable Energy Technologies, Energy Regulation: Law, Finance & Security of Supply, Hydrogen Economy, <b>Group project:</b> - Analyzing the carbon footprint of Brazil. <b>Masters research thesis:</b> - Off-Grid Electricity Generation with RET's in India; An application of HOMER software. (Grade: A1)
18.08.2003- 30.07.2007	<b>Bachelor of Technology in Mechanical Engineering,</b> N. C. College of Engineering, Kurukshetra University, Haryana, India. <a href="http://www.ncce.edu">www.ncce.edu</a> , <a href="http://www.kuk.ac.in">www.kuk.ac.in</a>

### Further Education and Training

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12.08.2013 – 14.08.2013	Training for Energy Analyst for Green Buildings GRIHA: Green Buildings Rating System India. <a href="http://www.grihaindia.org">http://www.grihaindia.org</a>
28.05.2012 – 02.06.2012	Economics of Renewable Energy Based Power Generation, Centre for Energy Studies, Indian Institute of Technology, Delhi, India. PG Certificate. <a href="http://www.ces.iitd.ac.in">www.ces.iitd.ac.in</a>

### Software Skills

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#### Energy Analysis: -

- System Advisor Model (SAM),
- PVSyst,
- PVSOL,
- EcoTech

#### Energy – Economic Analysis: -

- HOMER Energy,
- RETScreen,
- TRNSYS

#### Technology: -

- Multisim,
- COMSOL Multiphysics,

#### Other software: -

- macOS, Windows, Internet, Microsoft Office

#### 2D/3D CAD & Mechanical drawings: -

- Solid Edge ST3,
- AutoCAD

### Publications

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- **Sen, R.** and Bhattacharyya, S.C., 2014, *Renewable Energy-Based Mini-Grid for Rural Electrification: Case Study of an Indian Village*, in Subhes C. Bhattacharyya, Debajit Palit (eds), *Mini-Grids for Rural Electrification of Developing Countries*, Green Energy and Technology 2014, Springer International Publishing Switzerland, pp 203-232. Available at [http://link.springer.com/chapter/10.1007/978-3-319-04816-1\\_9](http://link.springer.com/chapter/10.1007/978-3-319-04816-1_9)
- Journal Paper: - *Off-grid electricity generation with renewable energy technologies in India: An application of HOMER*, *Original Research Article Renewable Energy*, Volume 62, February 2014, Pages 388-398 **Rohit Sen**, Subhes C. Bhattacharyya. Available at <http://www.sciencedirect.com/science/article/pii/S0960148113003832>
- Technical research paper; **Sen, R.**, and Mishra, A., 2012. *Comparison of Flywheel with Electrochemical batteries for Energy Storage in Decentralized Applications*, conference paper, Published in proceedings of the 6th International Mechanical Engineering Conference & 14th Annual Paper Meet (6IMEC&14APM) 28-29 September 2012, Dhaka, Bangladesh.
- Conference paper: Sharma, K., R., and **Sen, R.**, February 2013, *A Pricing Strategy for Micro Enterprises in Decentralized Electricity Generation Projects based on Renewable Energy*, conference paper, International Conference on Micro Perspectives for Decentralized Energy Supply at Technical University Berlin, Germany.
- **Sen Rohit**, September 2011, - MSc. Dissertation from University of Dundee, U.K., *Off-grid electricity generation with renewable energy technologies in India: An application of HOMER*, published on OASYS South Asia project website. Available at [http://oasyssouthasia.dmu.ac.uk/docs/oasyssouthasia\\_rohitsen\\_sept2011.pdf](http://oasyssouthasia.dmu.ac.uk/docs/oasyssouthasia_rohitsen_sept2011.pdf)

### Hobbies

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- Sports - Cricket and Football,
- Cooking
- Travelling
- Indulge in world cultures

### Language Skills

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English	Fluent/Excellent
Deutsch/German	Good (B2 – Telc, B1 – Telc & Goethe)
Hindi	Fluent/Excellent
Bengali	Mother Tongue
French	Basic Knowledge (A1)

### Awards, Achievements and Activities

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- Winner of "**SSE-Most Deserving Student**" Award-2011 for exceptional research work in MSc. dissertation, judged by Scottish and Southern Energy, Scotland, at University of Dundee, U.K.
- Shortlisted for the **Scottish Green Awards** 2011-12
- Awarded **University of Dundee Scholarship – 2010**, for MSc degree at University of Dundee.
- Member of Renewable energy society University of Dundee, Volunteer and International students' ambassador with student's union at University of Dundee. U.K.