SANDEEP GOEL

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PROFILE SUMMARY

- Post-Graduate Engineer [Mechanical Engineering and Renewable Energy Engineering and Management]
- Overall 8 years of experience in renewable energy consulting and the development sector with specialization in rooftop solar photovoltaic and grid integration aspects
- Fair understanding of state policies, subsidies, regulations and procedures for interconnection of rooftop solar power plants
- Experience in working with senior government, non-government, international experts

DETAILED EXPERIENCE

PROJECT MANAGER / TECHNICAL EXPERT — **4 years and 9 months**
German Development Cooperation (GIZ) India — 03/2013 – Till date
New Delhi, India

Main tasks under the role

– Focus on promotion of renewable energy deployment and addressing policy, regulatory, technical and commercial challenges
– Overall coordination and management of the activities with partners and other stakeholders
– Development and implementation of concepts, business models, feasibility reports
– Hiring of experts (wherever required), TOR preparation, technical evaluation etc
– Reviewing and preparation of reports and presentations including DPRS, project reports

Activities	Achievement
Assistance to a Metro Rail Corporation in realizing rooftop solar photovoltaic projects on their stations, yards and office buildings	– Pilot project of 500 kW installed with initial support – Further 20 MW installed as per the replication strategy, 50 MW to be achieved by 2021
Assistance to a State Cricket Association for implementation of solar photovoltaic plant on the roof of a cricket stadium	– 400 kW system installed in the first phase, second phase of 600 kW is planned
Assistance to a distribution licensee for implementation of 5 MW rooftop solar projects on government buildings through feed-in-tariff mode	– 4.9 MW installed as phase 1 under gross metering, additional 10 MW under implementation based on net metering mechanism
Development and execution of training programme for Indian electricity distribution licensees	– Capacity building needs of distribution licensee's assessed; Two trainings completed – Concept for upscaling developed

Supporting electricity distribution companies in India on aspects related to integration of grid connected distributed photovoltaic plants in their distribution network	– International experts hired – Partnership with Indian distribution licensees closed – Results announced and accepted
Organizing a study tours to Germany	– Two study tours successfully organized

Representations / Publications

- Presented on “Solar PV market in India” at a workshop on “Market Potentials and Business Applications for Photovoltaic in India” organized by German Solar Association (BSW) in Berlin on 25 Oct 2013
- Presented on “Developments in the solar and wind energy sector in India” at Renewable Energy Week organized by GIZ, Germany in Berlin from 21-25 Oct 2013
- Presented “International scenario of solar photovoltaic sector” at several workshops organized by Solar Energy Corporation of India (SECI)
- Represented GIZ at various other national and international events (Intersolar 2017, REexpo 2017, RenewX 2017 etc)

CONSULTANT – PROJECT DEVELOPMENT **1 year**
Bridge To India Pvt. Ltd. 03/2012 – 03/2013
New Delhi, India

- Project scouting, electricity demand assessment, electricity price analysis, customer interaction, understanding regulatory framework, EPC tendering & selection, DPR preparation and contract preparation for MW scale rooftop solar PV projects based on Built-Operate-Own-Transfer (BOOT) model
- Techno-commercial feasibility study of rooftop photovoltaic plant for a warehouse in Nagpur.
- Instrumental in preparing national and international proposals for private clients, multilateral/ bilateral organizations and government bodies.

INTERN & CONSULTANT - RENEWABLE ENERGY DIVISION **1 year and 3 months**
IT Power India Pvt. Ltd. 01/2011 – 03/2012
Gurgaon, India

- Leading a campaign on solar water heating and other renewable energy technologies in the healthcare and the education sector in India
- Member of the team carrying out market assessment of off-grid PV in different applications
- Feasibility of small scale wind turbines in the city of Coimbatore
- Site assessment and DPR preparation for MW scale PV projects
- Wind resource assessment – handbook for city of Coimbatore

R&D ENGINEER – INTELLECTUAL PROPERTY DIVISION **1 year**
Luminous Power Technologies (P) Ltd 06/2008 – 07/2009
New Delhi, India

- Information gathering of advancements in technologies most commonly used in the field of Renewable Energy by means of identifying recently released patents, products.
- Market research for some concept future products

EDUCATION

M.Tech (Renewable Energy) TERI University, Delhi	CGPA – 8.7	2009 – 2011
B.Tech (Mechanical & Automation) Guru Gobind Singh Indraprastha University, Delhi	67.3%	2004 – 2008

TRAINING / SKILLS / EXTRA-CURRICULAR ACHIEVEMENTS

PROFESSIONAL / INDUSTRIAL TRAINING

- Online training on “Integration of Large Amounts of Renewable Energy in Electricity Grids (ReGrid®) by Renewables Academy (RENAC), Germany
- Training in Capacity Works Management Model for managing cooperation projects
- Training program on the resource assessment, technical, financial and project management aspects of Wind Energy, conducted by Suzlon
- Short course on Economics and Financing of Renewable Energy Technologies at IIT-Delhi

EXTRA-CURRICULAR ACHIEVEMENTS

- Finalists of Acara Challenge 2010 (Food for Thought) – an Indo-US collaborative social entrepreneurship competition
- Represented India as a student delegate for World Environment student summit held at Tubingen, Germany from 20th September to 26th September 2010

RESEARCH INTERNSHIPS

- Undergraduate research – internship in Central Queensland University, RockHampton, Australia (2 months)
- Postgraduate research – study on the status of Direct Exhaust-Based Vapor Absorption Refrigeration Technology in co-generation mode in Indian building sector and to further analyze “First of its kind” status for the same technology installed at DLF’s buildings (2 months)