MANOJ MORAMPUDI

Technical Manager I Energy Storage I Solar PV I Member IEC I Chartered Engineer I Member BIS

manojmorampudi@gmail.com
+91-9958059438 Chennai, IN
linkedin.com/in/manojmorampudi/

CORE SKILLS

Leadership
Team Management
Project Management
Analytical thinking
Problem solving
Communication

TECHNICAL SKILLS

Renewable Energy Systems
Bill of Materials Management
Design change Management
Data Analysis
Engineering Software
System integration

EDUCATION

Ph.D., (Part-Time) in Electrical Engineering (2024- Present)
Dr.B.R.Ambedkar National Institute of Technology, Jalandhar

Master of Technology - MTech., Electrical Power Systems (2019 - 2021)
Maharshi Dayanand University, Rohtak, India

Bachelor of Technology – B.Tech., Electrical and Electronics Engineering (2008 - 2012)
Jawaharlal Nehru Technological University, Kakinada, India

AWARDS/ACHIEVEMENTS (9)

For BESS:
- SPECIALIST – GS Expert community 2021
- DELIVER WITH FOCUS 12/2020
- IMPACT AWARD (#BRAVO) 12/2019

FOR SOLAR:
- IMPACT AWARD (#BRAVO) 10/2020
- SPECIALIST – GS Expert community 2019
- IMPACT AWARD (#BRAVO) 12/2018
- IMPACT AWARD (#BRAVO) 11/2018
- IMPACT AWARD (#BRAVO) 12/2018
- IMPACT AWARD (#BRAVO) 10/2018

PROFESSIONAL SUMMARY

Highly motivated Pre-Sales Technical Manager - ESS with 12 years of renewable energy experience (BESS & PV). Proven ability to manage complex projects, lead diverse teams, and deliver on-time, within-budget results. Possess strong technical expertise in battery technology, supply chains, and project coordination. Proven track record in securing profitable contracts through proposal development, technical evaluations, and exceeding customer expectations.

WORK EXPERIENCE

Technical Manager – Energy Storage Systems
Chennai, India
JinkoSolar
July 2023 – Present

- Led the development of technical proposals for BESS projects across diverse markets (India, Bangladesh) demonstrating strong sales and tendering support.
- Mastered understanding of customer requirements, leading to the creation of effective proposals and cost analysis.
- Coordinated bid management reviews and prepared region reports, supporting the planning of various internal projects.
- Optimized battery capacity and PV sizing for global tenders, maximizing project efficiency and cost-effectiveness.

Lead Engineer - Customer Application Engineering
Chennai, India
Renewable Hybrids business, GE Renewable Energy
April 2023 – July 2023

- Cultivated strategic partnerships with APAC & Australia based technical & sales teams to craft compelling BESS proposals, driving market expansion.
- Informed GE's product roadmap through customer and application insights, ensuring solutions address evolving market needs.

Lead - Systems Engineer
Chennai, India
Renewable Hybrids business, GE Renewable Energy
July 2021 – Mar 2023

- Empowered team with technical guidance and expertise in complex storage technology, boosting equipment & turnkey solution sales.
- Secured project success by ensuring proposals met strict industry standards and client requirements, minimizing risks.
- Leveraged deep knowledge of design, testing, and validation standards to guarantee project compliance and safety.

Lead Engineer – Electrical component
Noida, India
Centre of Excellence, Grid Solutions, GE Renewable Energy
May 2017 – June 2021

- Designed 1000+ MW Solar PV portfolio delivery across India, Vietnam & Turkey.
- Enhanced project performance and profitability through detailed analysis & due diligence in PV simulations.
- Streamlined engineering with standardized sizing tools, potentially reducing costs. Guided wind-solar hybrid feasibility studies from concept to design.
- Ensured project adherence to requirements by providing engineering support in commercial & tendering processes.
- Sourced high-quality PV modules ($50M+) as a technical expert, contributing to cost savings.

Jr. Research Scientist
Gurugram, India
National Institute of Solar Energy
Nov 2014 – May 2017

- Led PV module qualification testing & certification (IEC standards) and contributed to defining gold-rated modules with Fraunhofer, Germany.

VOLUNTEER ORGANISATIONS

Electrical Installations Sectional committee, ETD 20 (BIS, India)
- Active Member of the sectional committee since 2016

Solar Photovoltaic Energy Systems Sectional Committee, ETD 28 (BIS, India)
- Active Member of the sectional committee since 2017

IEC TC 82 Solar photovoltaic energy systems Working Group-6 balance-of-system components
- Active Member since 2021

IEC TC 82 Solar photovoltaic energy systems Working Group-2 PV module Re-use
- Active Member since 2021

CIGRE WG C6.43: Aggregation of battery energy storage and distributed energy resources (DER), including solar PV
- Active Member since 2021

CERTIFICATIONS

Entrepreneurship Development
Indian School of Business
Aug 2020 – April 2022

Introduction to Battery Management systems
Issued May 2022
University of Colorado Boulder

Batteries and Electric Vehicles
Arizona State University

MEMBERSHIP

Certified "Chartered Engineer"
Electrical Engineering Division - India
The Institution of Engineers (India)
Member ID: AM 170910-3

IEEE Membership:
Member ID: 97868239
IEEE Power & Energy Society Membership

LANGUAGES

English - Professional Proficiency
Hindi - Bilingual Proficiency
Telugu - Bilingual Proficiency

PASSPORT DETAILS

Holding a valid passport from the Government of India

- Performed technical due diligence and on-site testing of Solar PV plants across India, contributing to a published national reliability report.
- Conducted independent reviews of solar PV system designs and inspected PV manufacturing facilities (IEC 61730).
- Gained expertise in performing various PV module tests (PID, EL, thermal cycling, etc.).
- Partnered with Fraunhofer, Germany, to develop round-robin test protocols for Sun simulator calibration, defining gold-rated modules.

Sr. Service Engineer
Chennai, India
Borg Energy India Pvt Limited
Oct 2013 – Nov 2014

- Led off-grid rooftop PV projects from concept to completion, encompassing design, execution, commissioning, and training.
- Analyzed system performance and provided training to ensure optimal operation.

Project Engineer
Dhenkanal, Odisha
Sri Vishnu Engineering Enterprises
July 2012 - Oct 2013

- Led the successful execution and commissioning of an 8MW Captive Power Plant (Waste Heat Recovery System), ensuring compliance with project requirements and managing quality control.

PUBLICATIONS

- Comparison of different technologies for solar PV (Photovoltaic) outdoor performance using indoor accelerated aging tests for long-term reliability, Energy,107,[2016] 550-561 [IF: 7.147]
- The Preliminary Assessment of Energy Storage sizing of Hybrid Solar PV for Smoothing and Shifting applications," MECON 2022 IEEE Explorer
- Performance comparison of PV module based on temperature coefficient in indoor and outdoor conditions as per IEC61853-1", EUPVSEC-2016
- Effect of Temperature on Insulation resistance of Different PV Technologies Modules, EUPVSEC-2016
- Selection Criteria of PV Technology Based on Location, EUPVSEC-2016

I HEAR BY DECLARING THAT ABOVE MENTIONED INFORMATION IS TRUE TO THE BEST OF MY KNOWLEDGE AND CONCERN

MANOJ MORAMPUDI