



NEERAJ SHARMA



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Jasola Vihar, New
Delhi 110025

Assistant Manager Project and OMS



PROFILE

Professional with 6+ Years of Experience in Renewable Energy sector.



OBJECTIVE

With immense boost of Renewable Energy in Indian market & balancing of Conventional to promote RE, I'm motivated to contribute my part by working in organization dedicated to promoting Clean Energy Development.



SKILLS

Wind & Solar Power Forecasting
Scheduling.
Wind/Solar SCADA
Wind/Solar Performance
Monitoring (Asset)
Central Monitoring System
Wind/Solar Resource Assessment
Techno-Commercial
Business Development



Occupational Contour

Hero Future Energies (HFE)

Assistant Manager, Project and OMS Dept.

Sep 2016 - Present, Delhi

KRA's/Accountabilities:

- *Manage & Review Forecasting & Scheduling Guidelines for each state and Wind/Solar park*
- *Initiating Forecasting & Scheduling setup for each Wind/Solar Park*
- *Managing & Insuring Real time Communication setup for every plant and integration to HO System i.e. Last Mile ISP Connectivity using RF/OFC and SCADA system, OPC and SCADA Files setup.*
- *Managing & Insuring Real time Communication setup till SLDC such as Data Telemetry (AMR & IEC104/101)*
- *Ensuring SCADA Data connectivity via FTP or OPC to Forecaster for accurate forecasting.*
- *Reviewing Forecasting Calculations as per regulatory guidelines as well as international standard and MIS (DGR).*
- *Preparing Insights for Risk Analysis of F&S guideline on CAPEX and OPEX being used by cross functional Dept. for Bidding and submitting regulatory concerns etc.*
- *Liasioning for DSM at every state SLDC.*
- *Liasioning with SLDC/RLDC/NLDC/CERC/SERC for F&S, REMC and Telemetry related matters*
- *Training and development of MIS persons for S&F purpose 24Hrs monitoring*
- *Performance Monitoring of Wind and Solar Assets using Excel Queries/Power BI.*
- *Managing/Handling and Ensuring maximum uptime of assets by monitoring team.*
- *Analysis of SCADA data & 14 Years NREL Data for pre-feasibility study of System for establishing India's First Largest Hybrid System (Wind & Solar), Wind 50 MW (existing) + Solar 28.8 MW AC (Addition) & Power Evacuation 50 MW.*
- *Support for Drafting RFP & Finalizing Solar/Wind OMS Service KPI's & KRA's.*
- *Evaluation of Vendors & Commercial Negotiations with Vendors (Third Party OMS Service & CMS)*
- *Business Development/Managing and setup of Centralized Monitoring System for Optimized Asset Management.*

Manikaran Analytics Limited (MAL)

Analyst -Wind/Solar Power Forecasting &

Scheduling July 2013 – August 2016, Delhi

MAL formerly known by Manikaran Wind Power Limited is Group Company of Manikaran Power Limited a category two licensee for Power Trading from Platforms IEX & PXIL in India. MAL has its business activity in domain of Forecasting, Scheduling of power in Wind/Solar of almost 4800 MW, Hydro as well as Load forecasting inclusive of any other analytical reports as demanded by customers.

KRA's/Accountabilities:

Managing Analytical team along with Techno-commercial aspects in relation to Wind/Solar Power forecasting & Scheduling.

- *Screening and analysis of Wind, irradiance data of Wind & Solar projects.*
- *Managing Wind, Solar generation analysis & Forecasting/Scheduling activities for approximately 4220 MW & 450 MW respectively across India.*
- *Setting up forecasting & scheduling engine for wind and solar projects in i- WPFS/i-SPFS.*
- *Detailed analysis of geographical & site-specific conditions along with Wind turbines data, Meteorological Mast data, PV system and inverter data before setting up forecasting/scheduling model.*
- *Consideration of IEC Standard for preparing power curves for setting up forecast.*
- *Wind/Solar deviation charges & Commercial implications calculation as per IEGC & regulation by C.E.R.C, F.O.R or any S.E.R.C.*
- *Risk/Impact Analysis of any regulatory framework imposed on Wind/Solar Generators.*
- *Management & Consultation for in-house product development of Wind/Solar power forecasting & scheduling i-WPFS (Integrated Wind Power Forecasting & Scheduling) and i-SPFS (Integrated Solar Power Forecasting & Scheduling).*
- *Performance monitoring & evaluation of forecasted vs. actual generation.*
- *Familiar with Mesoscale Numerical Weather prediction (NWP) models*
- *Actively participated & prepared presentation for various conferences: International conference on Prediction of Weather and Climate Systems Seamlessly (PROWESS) by MoES and NCMRWF on topic, Application of NCMRWF data in Wind Energy Forecasting.*
4th International Wind Conference & Exhibition by IWPA.
Rajasthan, Tamil Nadu SLDC, IWTMA.
- *Provided insights to CERC, MNRE thru' presentations & analyzed data about flaws in RRF mechanism & projected a balanced mechanism.*
- *Tools: Windographer, Google Earth Pro, Map Source, Zygrib, NcBrowse, i-WPFS (in house developed tool for Wind power Forecasting & Scheduling), i-SPFS (in house Under-development tool for Solar power Forecasting & Scheduling), RET Screen, MeteoDyn WT, PVsyst and HOMER.*



INTEREST EXTENT

Wind/Solar Resource Assessments
& Power Forecasting & Scheduling.
Performance Monitoring
Asset Management
Business Development
Demand Side Management/Energy
Portfolio Management.
Project Management.



IT ADAPTNESS

Quick Adaptive nature for any
new tools/Software's.
FileZilla, WinSCP. Power BI, IIS
Manager,
SCADA Dep. Software's
Windows & Linux based operating
systems.
MS Office 2010, '13, '16.
Basics of Batch Scripting.
Basic Understanding of C++.

TS Wind Power Developers

Engineer – Wind Resource

May 2012 – June 2013, Satara & Pune

TS Wind Power developers have it's extensively expertise in Liasioning, Wind Farm, Solar park & Electrical infrastructure development and Wind OEM.

KRA's/Accountabilities:

- Screening and analyzing the Wind Data.
- Responsible for Site selection for Wind Mast.
- Wind Mast erection, commissioning and maintenance.
- Data collection from various Wind Masts & analyzing them with different software tools.
- Maintaining reports & calculating Wind Power Density.
- Provide technical assistance and resolution.
- Commissioning of NRG and NOMAD SECOND WIND equipment's.
- GPS devices used for work GARMIN Etrex ,GPSMAP 76S
- Micro sitting of Wind Turbines including superimposition of village maps. Carried out Micro sitting for approximately 300 MW across different Wind farms of Manufacturers.
- Site Plan, Development & Client interaction for INOX Wind project in Maharashtra.
Tools- Windographer, NRG Systems, Map Source, Google Earth Pro, Basics of Wind Pro & WAsP, AutoCAD.



Internship

192MW Allain Duhangan Hydro Power Plant (LNJ Bhilwara Group)

Industrial Trainee Jan'2011 – June 2011

Manali, Himachal

Himachal Road Transport Corporation

Industrial Trainee May'2009 – July'2009

HRTC Workshop, Dharamsala, Himachal



REFERENCES

Mr. Kunal Kaistha
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Mr. Knayha Mongha
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Mr. Paurush Rauthan
Dy. Manager
Manikaran Power Limited
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Educational Contour

Advanced Post Graduation Diploma – Renewable Energy
The Energy and Resources Institute (TERI University)
2014-2016
CGPA – 7.2

Bachelor's in technology- Mechanical Engineering
Punjab Technical University
2007-2011
CGPA/Percentage -68%

HSC-PCM with C++
CBSE
2006-2007

High School
CBSE
2004-2005



Extra-Curricular Accolades

Secured 60% in competition organized by Jim Corbett national park.
The GREEN OLYMPIAD participation organized by TERI.
Participation in NSTSE organized by UNIFIED COUNCIL got average performance.

PERSONAL DETAILS

Married 28/05/1990 Indian

Vill. – Beri Bhattan, PO Bhukkar, Teh. Bhoranj, Distt Hamirpur, Himachal Pradesh 177024

I hereby declare that the information furnished above is true to the best of my knowledge.

Neeraj Sharma