

BIO DATA

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Objective: To gain both experience & knowledge with a leading corporate in the industry.
Professionally grow and have a long & fulfilling career

Academic History:

Course	Institute	(%) Marks/ CGPA	Board/Universi ty	Year of passing
PG Diploma (Renewable Energy)	Teri University, Delhi	7.41	Teri University	2017
BE (Electrical)	FCRIT,Vashi	71.93	Mumbai	2012
HSC	SES High School and Junior College, Thane	81.50	Maharashtra	2008
SSC	SES High School and Junior College, Thane	80.40	Maharashtra	2006

Professional Experience:

Karma Energy Ltd:

April 2017 till date: Executive Renewable energy (M-4 Grade)

- Rejoined and currently working at Karma Energy Ltd

Wind World India Ltd

From Feb-2017 – April 2017: Zonal Coordinator (Wind Energy)

- Wind World India limited formerly known as Enercon India Limited is an ISO:2008 certified company for manufacturing , services and installations of wind power projects.
- The wind farms are spread across seven high wind potential states namely Karnataka, Maharashtra, Tamil Nadu, Gujarat, AP, Rajasthan and Madhya Pradesh covering an area of 3,000 Km area.

- The company has installed over 6000 WEC'S (Wind energy converters) with a capacity of over 4500 MW.
- Work profile: Working as a zonal coordinator for monitoring of operations of wind power projects.

Karma Energy Ltd

Jan 2014 – Jan 2017: Project Executive Renewable Energy (E-2 Grade)

- Karma Energy Ltd is subsidiary of Weizmann group of companies engaged in the development of Renewable Energy Sector viz. Wind Power, Small Hydro Power. The Power Projects are spread over States of Andhra Pradesh, Gujarat, Himachal Pradesh, Karnataka, Maharashtra and Tamil Nadu.
- **Work Profile :**
- **Wind Energy :**
 - Acting as a link between site personnel and HO for day to day activities.
 - Dealing/discussing with vendors for Procurement/Drawing preparation/ Execution of site works. Drawings involve Single line diagrams, layout of wind farm, AutoCAD drawings having various survey maps.
 - Involved in micro siting including allotment of wind turbines using google earth software with specific spacing and calculating the area requirement and estimating the cost for implementation/ use.
 - Involved in estimating the required capacity of projects as well as checking the feasibility for its accommodation of the project (Depending on the capacity and the plant load factor) into the available Substation facility.
 - **WRA (Wind resource assessment)**
 - Discussion with the management for installing wind masts if required for a particular area and if not then analysis of available reference wind data.
 - The mast installation involves decision making for selecting the type of mast to be set up along with its accessories such as anemometer, wind vane, data logger, ipack system etc.
 - Coordination with the vendors for procurement of wind masts.
 - Collection of wind data (Wind speed , wind direction, temperature) from identified sites and comparing with reference data if any (Eg: National Institute of wind energy) and doing technical analysis with the help of software's such as windographer, symphonie data retriever etc.
 - Analyzed different parameters such as wind rose, frequency distribution.
 - Incorporation of turbine manufacturer's power curve data with the frequency distribution of wind speed and direction using statistical tools, for calculating the energy yield and the plant load factor.
 - Analyzing the wind data and estimating the power potential to check the technical feasibility.

- Also done comparison of Power curves, and other necessary technical features with respect to different wind turbine manufacturers.
 - Monitoring of masts with the site personnel and ensuring that the data is received on daily basis. If not, then analyzing the faults with the corresponding vendors and their associated site engineers and ensuring complete data availability.
- Done performance evaluation analysis using statistical tools with respect to relocation of machines from one site to another.
- Preparation of Financial Models such as IRR calculation and analyzing financial feasibility.
- Having sound knowledge of wind power policies.
- Was involved in procurement of wind turbines for the company.
- Also have experience in the activity starting from Land acquisition till PPA execution with respect to the procurement of Wind turbines.
- Involved in day to day activities for projects in pipeline.
- MIS reporting to the top Management and undertaking project reviews with Top management / Site personnel on a regular basis.
- Handled regulatory issues such as OA (Open Access), surplus energy etc.
- **Liaising with Government Officials:**
 - State electricity Boards for Invoicing/payment realization
 - Forest Department/ Revenue Department for approvals of land acquisition
 - Nodal agencies for approvals of project.

Have done zonal coordination with respect to the operations of the wind projects.

- This again involves MIS reporting and meeting with the operation requirement of the site as per customer priority.
- Assisting the Zonal head for attending the customer specific requirements with respect to performance specific (Power curve variation over a time period) reports of wind turbines, Local issues at site, Generation assurance, Major breakdowns, and Maintenance activities.
- **Hydro Energy :**
 - Dealing with the site personnel with respect to activities responsible for the smooth operations involving technical, financial, administrative aspects of the Small Hydro Power Plant.
 - Sending MIS reports to the Top management.
 - Generation analysis reporting involved the following:
 - i. Collection of JMR (Joint meter reading) energy generated data from the site
 - ii. Compiling the generation data and calculating the losses occurred and the deemed generation data and suggesting improvements.
 - iii. Comparison of existing generation pattern with the available reference value. The generation pattern depends on the discharge (Water flow) data as the output energy yield is dependant on the flow of water.

- Also involved in the end to end insurance claiming process.
- Having sound knowledge of Hydro power tariff policies.
- Done site visits for monitoring the operations of the Hydro power plant.

- **Solar energy :**

- Was involved in study and designing of the solar power plant (grid connected type) using PVSYST 6.6.2 software for one of the identified sites.
- Performed simulation, and analysed the results including energy yield , plant performance ratio, Loss diagram etc.
- Conducted probability approach to the system.
- Explored RET screen tool for analysing the financial viability by considering various financial assumptions.
- Conducted Emission analysis to observe the percentage reduction of Greenhouse gases.
- Done risk analysis with different parameters which affects our results to understand the parameters which are likely to change as per Indian power industry such as electricity tariff, interest rate, Module cost etc.
- Having knowledge of solar energy policies.

APM Terminals India Pvt Ltd (MAERSK Group)

Period Aug 2012 - April 2013: Trainee Engineer

- Worked in APM Terminals India Pvt Ltd (MAERSK Group)
- Also attended trainings related to 5S.

Key Responsibilities:

- Maintenance of container handling equipments involving both electrical and mechanical background.
- Monitoring of Reefer containers.

Projects Undertaken:

- Final year project: Undertaken a project based on DC line protection at HVDC RS MSETCL., Padghe Thane district, 421101

Achievements:

- Participated in Poster making competition for final year project and have won the prize for same

Additional Qualification:

- Have undergone certification in SCADA (Wonderware Intouch) from Prolific systems and technologies Pvt Ltd.
- Studied PG diploma in renewable energy from TERI University, New Delhi for which the duration was from July 2016 - August 2017.

The courses studied were the following:

- Renewable energy sources and policies
- Software tools namely: PVsyst, RET screen & Homer for energy analysis.

Extra-Curricular activities:

- Won prizes in badminton tournament

Hobbies:

- Listening to Music, Travelling, Watching Cricket

Personal Details:

Date of birth :	26th May, 1991
Languages known:	English, Tamil, Marathi, Hindi
Passport Status:	Valid