

Rajesh Kumar Dhuriya

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CAREER DIGEST

- ❖ An astute professional offering **3 years** of experience in Solar PV system designing, onsite testing & plant performance evaluation, SCADA data validation.
- ❖ 2 years' experience of teaching Electrical Machines & Control System at Jodhpur Institute of Engineering & Technology. Also, Designing of new circuit & PCB for technical demonstrations.

AREAS OF EXPERTISE EXPERIENCE

Engineer- DC Design & Solar Performance Analysis

[Mahindra Susten Pvt. Ltd., Mumbai - Leader in Solar Power Plant]

[June, 2015 to till]

Plant performance

- Performance analysis of Solar power plant from past energy generation data, weather parameters and comparison to estimated yield at design stage.
- Real time Performance analysis of KPI & evaluation of Solar Power Plant for Benchmarking at O&M stage.
- Inspection & data validation of functioning of plant's SCADA system or data logging system (local & remote)
- Evaluate plant O&M procedures including periodicity of cleaning of arrays, preventive maintenance schedule.
- Coordinate with vendor for warranty claim, trouble shooting of under warranty equipment's/ products.
- Root cause analysis for PV module, inverter, HT panel, switchyard & cable failure during operation
- Verification of installed DC & AC capacity at pre-commissioning of project.
- Carry out on-site functional testing of the components of Solar PV plant to verifying the installed DC & AC capacity of plant and produce performance metrics report for customer benefit.
- Responsible for evaluating & investigate soiling loss, shadow loss, PV module degradation over the time, thermographic inspection of plant
- Work with cross-functional team to analyze long term performance of plant/technology in expected deployment environments & prediction of generation.

Third party Audit

- Perform third party audit, plant inspection, testing of PV plant equipment's & submit the reports.
- 2- year Experience of third party audit & testing for Belectric, MIRA, Spring Energy, TUV, Suzlon & Shapoorji Pallonji group.

Centralize Remote Solar PV plant monitoring

- Remotely monitoring of all plant at HO & giving feedback to site team
- Build real time remote monitoring system to minimize down time of plant operation
- Analyze the SCADA system & giving technical input to SCADA team for smooth & user-friendly operation/functioning of remote monitoring system for PV plants
- Online tracking of all equipment performance of various plants

Achievement's & Accomplishments

- Leading onsite testing & analytics team.

Asst. Professor [Jul, 2013 to June, 2015] – Electrical Machines & Control System

[Jodhpur Institute of Engineering & Technology, Jodhpur – Leading educational Institute in Rajasthan.

- Teach "Electrical Machines", "Design of electrical machines" and "Control System".

- Designing of new circuit & PCB for technical demonstrations.
- Guide in development of projects for pre-final & final year students.

SCHOLASTICS

Degree	Institute/School	Passing Year	Grade/Percentage	Key Achievements
PGDM in operations	Welingkar Institute, Mumbai	Appearing		.
B.Tech. (Electrical Engineering)	Jodhpur Institute of Engineering & Technology, Jodhpur (RJ)	2013	80.58%	10 th Rank in University Merit List.
Senior Secondary (PCM)	Shri Bangur Govt Sr. Sec. School, Pali (Raj.)	2008	75.54%	
Secondary	Jay Adarsh Vidya Mandir Sr. Sec. School, Pali (Raj.)	2006	87.33%	

INDUSTRIAL TRAINING & PROJECTS

- A three-day training at HITACHI Hi-Rel power electronics Pvt. Ltd on HITACHI PV inverters” in Nov 2015.
- A 30-day summer internship at 830x5 MW Coastal Gujarat Power Ltd. (A TATA Power Company) in June 2012.
- A 5 day visit of Raj West thermal power plant, Barmer and Suzlon Wind power plant, Jaisalmer in October 2011.
- A major project on Railway track fault detection and protection during B Tech.
- A minor project on Remote control for home appliances during B Tech.

TECHNICAL & IT SKILLS

- Computer skills in a Windows environment, strong Excel, Word & PPT.
- Ability to deal with various types testing and diagnostic equipment (PVA Analyzer, EL tester, Thermal camera, Sun Simulator etc).

CO-CURRICULAR ACTIVITIES & ACHIEVEMENTS

CO-CURRICULAR

- Participated in working model competition in OPEN-HOUSE-2010, 2011.
- Participated in college activities in Resonance like chart making, essay writing, quiz etc.
- Participated in world seminar of Indian scouts and Guides in 2005

ACHIVEMENTS

- **Awarded as Superior performer in MAHINDRA SUSTEN PVT. LTD for consecutively two years.**
- Secured 10th rank in merit list of Rajasthan Technical University.
- Qualified GATE 2015 with 95 percentiles.
- Won first prize in inter college activity “I SEE” based on electrical circuits in resonance 2012 at JIET (Jodhpur Institute of Engineering & Technology).

PUBLICATION

[A] International

- [1] Paper on “Analysis of Auxiliary Energy consumption in Utility scale Solar PV Power plant” published in International Journal of Current Engineering & Technology. <http://inpressco.com/category/ijcet/vol-7-no-5-septoct-2017/>

[B] Papers Presented in Conferences/Seminar:

- [1] Paper on Overview of PV power plant (current state of Art, Various equipment's used & fault Analysis) presented at JIET, Jodhpur on **Behalf of Mahindra Susten Private Limited** in May 2016.
- [2] Paper on “Study on measurement of temperature coefficient of different types of PV modules in outdoor operating condition in India” at Mahindra Susten Pvt. Ltd.

- [3] Paper on “Study on electrical & mechanical compatibility of various PV module cable connector” at Mahindra Susten Pvt. Ltd.
- [4] Paper on “Fuzzy logic based speed control of DC series motor” in national conference on Emerging Trend of Research in Applied Sciences, Experimental and Computational Techniques at JIET, Jodhpur.
- [5] Paper on “Recent Trends in FACTS Devices” in international conference on Emerging Trend of Research in Applied Sciences, Experimental and Computational Techniques at JIET, Jodhpur.

PERSONAL DOSSIER

Father's Name : Ramtirth Dhuriya
Date of Birth : October 20, 1990
Marital Status : Married
Nationality : Indian
Passport : Type-P
Address : 104, Char Bhuja Nagar, Punayta Road Pali (Rajasthan)-306401.

Declaration:

I hereby declare that all the information stated in this resume is true to the best of my knowledge and belief till date.

Date: 10-Jun-2018
Place: PALI

RAJESH KUMAR