

Ayush Dobhal
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***Expert in designing, planning, organizing, and managing
resources to successfully complete project
goals and objectives, while honoring
predetermined constraints.***

Proactive, performance-driven professional with 2+ years' progressive expertise in leadership and problem solving for Solar Project and services. Keen understanding of business priorities, genuine team player committed to managing operations and projects flawlessly while contributing to revenue-producing activities. Cross-functional communicator easily interfaces with high-profile staff, vendors and customers. Possess a very good understanding of project execution, design, planning in flow process and operations besides functional experience in Quality Assurance of project operations by ensuring optimal utilization of resources. Ensuring stringent adherence to quality standards, norms & practices, identifying gaps and taking corrective action along with exposure towards 5S housekeeping, QC tools, & FMEA (Failure Mode Effect Analysis). Versatile, innovative, and loyal management professional able to see the "big picture" while staying on top of all the details. Recognized for consistent success in developing the processes and procedures to streamline operations and enhance revenue performance.

EDUCATIONAL QUALIFICATION

<i>Examination</i>	<i>Year of passing</i>	<i>School/Institute</i>	<i>University/ Board</i>	<i>Percentage</i>
B. Tech (Electrical Engineering)	2013	Dehradun Institute of Technology, Dehradun (*DIT is affiliated to Uttarakhand technical university.)	Uttarakhand Technical University	64%
Intermediate	2009	S.G.R.R Public School, Race Course, Dehradun	C.B.S.E	57%
High School	2007	S.G.R.R Public School, Rishikesh	C.B.S.E	73%

WORK EXPERIENCE

Presently working as an Engineer-Solar Power Project Execution (Electrical) at ReNew Power Ltd. from September 2016.

Project completed:

- **48 MWp Solar PV Project Mandamarri, Telangana (Ground Mounted) from Sept 2016-Feb 2017**
 - Client: ReNew Power Pvt. Ltd.
 - Key job performed in at 48MWp
 - ❖ Pilling works
 - ❖ DC erection, testing and commissioning works
 - ❖ SCADA system erection and commissioning works
- **40 MWp Solar PV Project Charanka, Gujarat (Ground Mounted) from Feb 2017-May 2017**
 - Client: ReNew Power Pvt. Ltd.
 - Key job performed in at 40 MWp
 - ❖ DC erection, testing and commissioning works
- **51 MWp Solar PV Project Ashoknagar, Madhya Pradesh (Ground Mounted) from May 2017-Jan 2018**
 - Client: ReNew Power Pvt. Ltd.
 - Key job performed in at 51 MWp
 - ❖ DC erection, testing and commissioning works
 - ❖ AC erection, testing and commissioning works
 - ❖ SCADA system erection and commissioning works
- **1.2 MWp Solar PV Project Khimsar, Rajasthan (Ground Mounted) from Feb 2018-Present**
 - Client: Sigma Minerals Ltd.
 - Key job performed in at 1.2 MWp
 - ❖ DC erection, testing and commissioning works
 - ❖ AC erection, testing and commissioning works
 - ❖ Civil foundation works
 - ❖ Planning and Execution
 - ❖ SCADA system erection and commissioning works

Responsibility of Project & Field Quality of Solar Power Plant. Taking stringent quality measures including implementing daily work management and PDCA (Plan Do Check Activities), preparation / maintenance of necessary documents to ensure compliance with appropriate standards & customer requirements. Periodically conducting Internal Audits as per ISO 9001:2008 to assess the status of deployment of systems and taking corrective measures for achieving organizational objectives. Provide technical assistance to installers, technicians, or other solar professionals in areas such as solar electrical systems and mechanical systems.

The prime job functions included:

➤ **Designing:**

- ❖ Designing of Solar Power Plant structures, array grid, grouping of structures as per requirements, switchyard and its members.
- ❖ Load calculation of solar plant and then designing members of solar plant accordingly so that loss of power will be minimum.
- ❖ Load and size calculations of both AC and DC cables.
- ❖ Earthing calculations of both DC field and panel yard.
- ❖ Preparation of BOM and BOQ.

➤ **Planning:**

- ❖ Includes mobilization of resources and contractors to start project
- ❖ Co-ordination with project manager and site team.
- ❖ Ensuring timely availability of materials at site and drawing for timely execution and completion of Project
- ❖ Collecting DPR from different departments of site team and then report combined DPR to HO.
- ❖ Responsible for the measurement of contractor work and Invoice generation.
- ❖ Ensuring there will be no material shortage and pre-planning to reduce chances of any shortage.
- ❖ Responsible for HOTO documentation and PR Test of Plant for Handing over of Plant.

➤ **Execution:**

❖ **DC**

- Pilling of column post for assembling of Module Mounting Structure according to drawing provided by design considering land profile and soil test report.
- Excavation of cable trench of proper depth and width to maintain proper gap between adjacent cable which is as per standards and provided by design.
- Earth pit installation with proper earthing material and procedure for earthing of MMS structure and combiner boxes.
- Installation of structure for module mounting with proper alignment, required tilt angle and proper torqueing of fasteners.
- Erection of structure for mounting of combiner box and mounting of combiner box as suggested by vendor.
- Testing of cables using standard procedure by calibrated instruments and laying of cables over proper sand bed in trench.
- Solar Cabling from modules to combiner box.
- Grid earthing and structure earthing using proper GI strips.
- Erection of field Lightening arrestors.
- Mounting of modules with proper arrangement of MMS parts and proper tilt angle with proper torqueing of fasteners.
- Termination of laid cables at both combiner box and inverter ends with proper torqueing of fasteners.
- Responsible for the proper use of torqueing wrench, calibrated tools, crimping tools and other tools by workers following proper SOP.
- Responsible for pre-commissioning testing of DC side such as Voc, Imp, IR etc.
- Preparation of design change proposals and As-builts.

❖ **AC**

- Erection of switch yard structures and its members according to drawing and proper testing of equipment before erection.
- Erection of power transformers and inverter transformers with proper safety of man and material.
- Excavation of cable trench with proper depth and width as provided by design.
- HT and LT cable laying in trench or in trays as proposed.
- Testing of cables using standard procedure by calibrated instruments.

- Responsible for erection of Inverters, Panels, SF6 breakers, Lightening arrestors, Current Transformers, Potentials Transformers, Isolators and other equipments.
- Control cabling of all equipments and its terminations.
- Responsible for Tan delta test, Magnetic Balance test, Vector Group test, coil resistance measurement test, contact resistance measurement test etc.
- Hi-Pot and termination of HT cables.
- Responsible for the Neutral Earthing and earthing of equipments.

❖ **SCADA**

- Responsible for erection and commissioning of SCADA systems.
- Erection and commissioning of Weather Monitoring System such as Pyranometer, Anemometer, Ambient temperature sensor, Module temperature sensor etc.
- Cable laying for SCADA systems.
- Work parallelly with SCADA teams at Head office and with vendor SCADA team to deliver commissioned SCADA on time.
- Understands RS485, Digital Input and Analog Input terminology.

Duration: from June 2015 to September 2016.

The prime job functions included in 2G :

- Responsible for Drive Test.
- Responsible for Antenna Azimuth, Height & Tilt Planning, Cable Routing etc.
- Analysing in GSM, Interference, Call Drops, Handover failures, Rx Quality, Rx Level etc. and generating Rx-Qual & Rx-level Plots using MapInfo and defining Neighbours etc.
- Responsible for Call Test, GPRS Test and Submitting the coverage plot report.
- Changes in the RF database parameters with help of MSC teams for resolving network issues.
- Finalizing the Tower height, antenna orientations.
- Verifying clutter type (urban, suburban, rural, quasi open etc.).
- Monitoring daily BSS KPI reports. Interference Analysis, Traffic and Capacity Analysis, Antenna Configuration. Monitoring performance of cell site and take corrective measures for improving the network performance.
- Handling optimization of new sites and handled problems like Call drop, interference, handover failure, handover reversion, in-building problem, antenna tilting, competitive Drive Test.
- Conducting RF drive test using drive test tool and analysing drive test results on software tool for the RF optimization/improvement of the network.
- Performing Bench Marking drive test, analysis all competitive network radio parameter and monitor.

The prime job functions included in 3G:

- Analysing in WCDMA, Interference, Call Drops, Handover failures.
- STATIC & DYNAMIC Drive Test and Optimization.
- Dynamic Drive Test of Sites (SCFT, CLUSTER).
- Customer complaints.
- Scanner Drive Test.

TECHNICAL SKILLS

- Drive testing and optimization for 900 MHz, 1800 MHz, 2100 MHz and 2300 MHz frequency band.
- Cluster drive testing for 2100 MHz and 2300 MHz frequency band.
- TEMS software.

PROJECT COMPLETED

- I&C of 1.2 MWp Solar PV Project Sigma Minerals Khimsar, Rajasthan (Ground Mounted)
- I&C of 51 MWp Solar PV Project Ashoknagar, Madhya Pradesh (Ground Mounted)
- I&C of 40 MWp Solar PV Project Charanka, Gujarat (Ground Mounted)
- I&C of 48 MWp Solar PV Project Mandamarri, Telangana (Ground Mounted)
- Airtel 3G Delhi-NCR Project
- Airtel 3G UP East Project

PROJECT UNDERTAKEN AT COLLEGE

Control of multiple electrical appliances (upto 4 device) using GSM technology and also obtaining status of devices.

INDUSTRIAL TRAINING

- Worked as an intern at **Uttarakhand Power Corporation Limited, Niranjanpur Dehradun**. From 5th June, 2012 to 15th July, 2012. Where I was put under the guidance of Assistant Engineer Mr. Anuj Aggarwal. Where I got knowledge of power transmission on 33/11 kV line.
- Worked as an intern at **Bharat Heavy Electricals Limited, Haridwar** period of 45 days (june 2011-july 2011). Where I was put under the guidance of Senior Engineer Mr. P.N Jangpangi. Where I know how to design rotor winding and stator winding and construction of 500 MW brushless excitor.

AWARDS AND ACHIEVEMENTS

- Participated in Junkyard Wars on Plexus (Technical fest of DIT).
- Was in the organizing committee of quiz competition conducted by AMPERENZA (Technical group of Electrical Department) .
- Secured first position on Quiz Competition held on school.
- Participated in a workshop on Orcad organized by **KAI INDIA**.
- Participated in a workshop on Ethical Hacking.
- Certificate on PLC Programming and Installing by Ministry of Unemployment and Labour.

HOBBIES

1. Playing football
2. Sketching
3. Kitchen gardening

PERSONAL INFORMATION

Name:	Ayush Dobhal
Father's Name:	Mr. Shri Prasad Dobhal
Mother's Name:	Mrs. Vinita Dobhal
Date of Birth:	09-December-1991
Nationality:	Indian
Language Known:	Hindi, English

DECLARATION

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

Place:
Date:

(Ayush Dobhal)