**Kunal Ramteke**

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To obtain a challenging position where I can use my experience and innovative ideas effectively for the development of an organization*.*

**Technical Skills**

* Having a thorough understanding of electrical systems.
* Production analysis, Root cause analysis, reports generation.
* Excellent trouble shooting skills in Circuit breakers, Central inverters and monitoring systems, Transformer testing.
* Sound knowledge of Solar AC/DC installation.
* Worked on 2.9 M.V.A transformer &11/ 33/110/132 K.V Transmission line .
* Medium and low voltage switchgear, relay and protection system.
* Solar module, string combiner box, grounding systems.
* Preventive maintenance scheduling

**1.BHEL-EDN BANGLORE**  ( From May 2015 to Till date )

Erection & Commissioning of N.T.P.C Ultra Mega 50MW solar Power plant project.

As part of an Erection & Commissioning team ,my responsibilities include:

**Erection**

* Handling daily works, (50)Man power, material planning and Execution
* Cable tray, breakers ,transformer ,SMB ,panel ,J.B and PV modules installations.
* H.T and L.T ,OFC ,power ,control cable laying and termination.
* Scada cables utp cables terminations and testing
* Preparation of running Account (RA) bills, checklist ,drawing proposals material PO etc.
* Knowledge about tender documents
* Coordinate with clients and various sub- contractors.

**Commissioning**

* Testing of VCB ct/pt ratio ,timing ,contract resistance measurement(crm), polarity, winding resistance, meggering
* Relay inter panel wiring and operation testing
* VCB bus bar, H.T/L.T cables hi- pot testing.
* Earth pit resistance checks.
* Transformer ratio ,vector group ,winding resistance ,core balance testing.
* AC,HT & LT cables phase sequences dc cables polarity and meggering.
* VCB protection and metering wiring checks.
* WMS system like Pyreonometer ,Temperature sensor ,wind speed installation and testing.
* Plant communication system and scada

**Operation & Maintenance**

I was worked with IOCL 5 MW Solar plant at Rajasthan as O&M Engineer.

* Leading a 15 member’s team for complete operation and maintenance of a 5 MW solar plant.
* Associate with the commissioning team of different types of inverters like **OPS, ON Grid Inverters** and string inverters**.**
* String monitoring and troubleshooting of inverters and control system for fault free operation of solar plant.
* Associate with the **design and analysis** team for improving generation of the plant.
* Earthing systems, communication interference, and switchyard communication cables selection.
* Establishment of the complete **SCADA communication system (OPS ltd.)**  In the plant including **weather monitoring station**.
* Troubleshooting and Performance analysis of different types of inverters .
* C.U.F and P.R calculation and performance analysis for solar park.
* Operation and Maintenance of 33kv/415v switchyard
* Trouble shooting of all the fault like **WTI,OTI** and Earth Fault
* Testing of timing, closing /opening of **Vacuum Circuit Breaker**, Also checking of vacuum interrupter.
* Hands on experience with regular and Preventive Maintenance, Relays, Connection drawings, Junction box layout, 33KV**Electrical drawings.**
* Sound knowledge of pneumatics operation.
* Relay, Contactor, MCB, MCCB, ELCB, Breakers.

**Projects Undertaken**

**PROJECT-1**

|  |  |
| --- | --- |
| **Name** | **10 MW SOLAR PLANT ODF BADMAL (ODISHA) on going** |
| **Company** | B.H.E.L |
| **Role** | Erection and Commissioning of 10 M.W SOLAR PLANT. |
| **Drive** | Installation of panel, pcu,smb,scada.. |
| **Team** | 10 |
| **Duration** | 6 months |
| **Description** | 1. Monitoring and control of Complete 10 M.W Plant which includes  Its local ,remote and PLC control  2. Commissioning and erection of I/O panels and P.C.U”S panels |

**PROJECT-2**

|  |  |
| --- | --- |
| **Name** | **15 MW SOLAR PLANT ODF MEDAK (Andra pradesh)** |
| **Company** | B.H.E.L |
| **Role** | Erection and Commissioning of SCADA 15 M.W SOLAR PLANT. |
| **Drive** | SCADA Complete commissioning. |
| **Team** | 3 |
| **Duration** | 1 MONTH |
| **Description** | 1. Monitoring and control of Complete 15 M.W Plant which includes  Its local ,remote and PLC control  2. Commissioning and erection of I/O panels and P.C.U”S panels |

**PROJECT-3**

|  |  |
| --- | --- |
| **Company** | I.O.C.L Rawara, (Rajasthan) |
| **Role** | Erection & Commissioning of 30 kW roof Top Solar Project.. |
| **Team** | Individual |
| **Duration** | 1 Month |

**PROJECT-4**

|  |  |
| --- | --- |
| **Name** | **N.T.P.C 1G W SOLAR PARK ,kadiri (Andra pradesh)** |
| **Company** | B.H.E.L |
| **Role** | Erection and Commissioning of SCADA 50 M.W SOLAR PLANT. |
| **Drive** | SCADA Complete commissioning. |
| **Team** | 2 members (Project Coordinator ) |
| **Duration** | 1 MONTH |
| **Description** | 1. Monitoring and control of Complete 50 M.W Plant which includes  Its local ,remote and PLC control  2. Commissioning and erection of I/O panels and R.T.U”S panels |

**PROJECT-5**

|  |  |
| --- | --- |
| **Name** | **1 MW CANAL TOP SOLAR PLANT (Andra pradesh)** |
| **Company** | B.H.E.L |
| **Role** | Erection and Commissioning of SCADA 1 M.W SOLAR PLANT. |
| **Drive** | SCADA Complete commissioning. |
| **Team** | SELF |
| **Duration** | 15 DAYS |
| **Description** | 1. Monitoring and control of Complete 1 M.W Plant which includes  Its local ,remote and PLC control  2. Commissioning and erection of I/O panels and P.C.U”S panels |

**2. Electronics Corporation of India Limited,**

(**A Government of India (Dept. of Atomic Energy) Enterprise** ) March.2014 to May 2015

Client Name: DAE- **Nuclear Power Corporation of India Limited**, Rawatbhata Rajasthan Site.

Designation: Scientific Assistant ‘C’

* Over **1 years** of experience in **Erection, Installation, Calibration, Maintenance and Detail Engineering and Commissioning** of **Control & Instrumentation systems** for **Mega Power Projects**.
* Operations & knowledge of erection & commissioning processes of Field Instrumentation of 2\*220 Mw RAPP 5&6 Power Plant Project.
* Installing and commissioning of different level of PLCs .
* Responsible for Calibration, Operation and maintenance of **process instruments** (e.g. Control Valves, MOVs, various sensors & transducers, Metering Skids, Field Controllers)
* Work in various types of RADIATION MONITORING SYSTEMS ,PMS,Reactor Regulating System, PSS/SSS, COIS, PLC and Power supply, Logic cards and Relay Cards including their Daily Routine checks and Preventive Maintenance.
* Total annual maintenance of ECIL supplied electronic control & instrumentation(C&I) systems.

**3.Ispat Industries Limited, Raigad, Mumbai**  June 2008 to Dec 2009

**Designation: Junior Engineer (Electrical & Maintenance)**

**ISPAT INDUSTRIES LTD Steel company in Maharashtra**.

I worked in Oxygen Plant as Maintenance Engineer Electrical and Automation, Oxygen plant capacity is 1260 TPD. There was10 heat Exchanger, one turbine, 5 CT fans (7.5kw, 14.4A, 1440rpm) 5compressors (600kw, current63A, 6.6kv, speed2976rpm)

**Internship/Trainings:**

* Two months P.L.C & SCADA training in NSIC institute Chennai
* Completed Training based on Microprocessor Diesel Engine Indian Railway Diesel shed, katni
* One week training in PLC hardware & wiring in industrial automation, from(Advanced Training Institute, Chennai)
* **Three month Training on Instrumentation and Control from CRISP, Bhopal. sponsor by PFC. This Course Contains 3 Modules.**
* **Field Instrumentation** - Measurement of Temperature, level, Pressure and Flow. Control

Valves & Actuators, Basics of P&ID, Interfacing of instruments.

* **Electronics Maintenance** - Multi-meters, Function Generator, LCR Meter, and

Testing of Electronic Circuits.

* **Industrial Pneumatics** - Compressors, Air Dryers and Receivers, Piping Network, FRL,

Actuators, Direction Control Valves, Electro-Pneumatics and circuits, Relay Logic solenoid Valves, Introduction of Proximity Circuits, Sensors, and Plant Related Pneumatic Circuit Design.

**Managerial Acumen.**

* Excellent communication and interpersonal skills.
* Ability to motivate others and to take responsibility.
* Comfortable to work in group.
* Ability to work under pressure.
* Ability to ensure standards of efficiency are met in all the areas.
* Ability to do failure analysis, draw conclusions, stimulate design, engineering up- gradation and follow up for desired changes.

**Software Skill set:** MS excel, MS word, MS power point.

**Education:**

* B.E. in Electronics & Instrumentation (61.21%) From D.A.V.V. Indore(2012)
* Diploma in Electronics & Communication (69.79%) From R.G.T.U. Bhopal (2008)
* Higher Secondary. (69.78%) from M.P. Board, Bhopal (2005)
* High School. (67.8%) from M.P. Board, Bhopal (2003)

I am sure I would be able to come up to your expectations and perform to the best of my ability.

**Date: …………..**

**Place: (Kunal Ramteke)**