

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 was 10 heat Exchanger, one turbine, 5 CT fans (7.5kw, 14.4A, 1440rpm) 5 compressors (600kw, current 63A, 6.6kv, speed 2976rpm)

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)