

# Krunal Darjee

**Electrical Engineer over 4.9 years experience in Project, erection, commissioning, testing, maintenance.**

Burlington, NJ - Email me on Indeed: [indeed.com/r/Krunal-Darjee/3d799118a34cb844](https://www.indeed.com/r/Krunal-Darjee/3d799118a34cb844)

- = A competent professional with over 4.9 years of experience in Project Management, Erection, Commissioning, Testing, Maintenance, Commercial Operations and Resource Management of cement plant
  - = Recently designated with ABG Cement Ltd as engineer (Cement Plant & Power plant– Electrical & Instrument) for 10000 TPD Project to running plant and 50MW Captive power plant.
  - = Responsible for erection, commissioning, testing, operation and maintenance of Electrical and Instrument system of various sections of cement plant.
  - = Proficient in managing various process operations as per the set standards and experience of developing standard operating procedures for operational excellence.
  - = Expertise in managing preventive maintenance of the various machines & equipments for reducing downtime & enhancing operational effectiveness of equipment through Men-Material management.
  - = An effective communicator and team player with strong analytical, logical & problem solving abilities.
- Authorized to work in the US for any employer

## WORK EXPERIENCE

### Electrical Engineer

ABG CEMENT LTD - Gujarat, IN - February 2010 to January 2015

## ORGANISATIONAL EXPERIENCE

- = As a G.E.T. from Feb. 2010 to at last I had worked with ABG cement (A unit of ABG group) as engineer (Cement Plant – Electrical & Instruments) for 10000 tpd project from November 2008 to Jan 2015. This unit has also 2X25 MW Captive Power Plant as ABG Energy. Cement Plant is designated by Holtech consultancy with materials supplied by Losche & FLS.
- = DTEB Gandhinagar, as a Lecturer from Nov. 2009 to February 2010 in Government polytechnic, Godhra.

### Key Result Areas:

#### Project Management

- = Planning and monitoring execution of Cement and power projects by electrical and instrument side.
- = Supervising projects with respect to Cost, Resource Deployment, Time over-runs and Quality Compliance; evaluating project progress & taking adequate corrective actions
- = Involved in Engineering & Drawings (control, Power, GA) for upcoming 10000 TPD Project. Responsible for site mobilization & site coordination with management, contractors & different vendors. Correspondence with consultant and contractor.
- = Review of documentation, BOM, drawings of control and power circuit of Electrical system and make comments, which were submitted for approval. Review the Fault level calculation and sizing calculation of all kind of equipment
- = Ensuring the construction supply & lighting as need for all user departments for 24 hrs x 7 days a week.

#### Erection, Commissioning & Maintenance:

- = Installing / commissioning, conducting tests & inspections to ensure operational effectiveness of plant & utilities; planning & implementing maintenance schedules for machines and equipments.

- = Erection, commissioning & maintenance of PCC panels, HT panels, LT to HT breakers, Analog and Numerical Relay, IMCC panels, Inert Gas generator panels, ESP panels, Highmast feeder pillar panels, Compressor panels, Local control stations. Batteries and battery charger panels Construction lifts and elevators.
- = Erection, commissioning & maintenance of Instrument devices like RTD, pneumatic, Level Detectors, Pressure gauge, control Thermostat, valves, humidifier diaphragms, damper operator, Proximity sensors, Load cell, Digital speed sensor, vibration sensor and termination of all of them to the I/O panels for making control loop.
- = Erection, commissioning & maintenance of I/O panels which had used latest technology of automation with the help of Simocode Pro C & Simocode Pro V connected to SIEMENS PLC via PROFIBUS.
- = Working with a team of project manager, co-workers, Engineers, Electricians and contract workmen's & coordinating the project, erection, commissioning, renovation work of Plant, also provide training to other team members.
- = Issue Lock out/Tag out, shut down permits, monitor work and make sure work is in standard manner with quality standard and safe manner.
- = Effective part in erection & commissioning of 3000 KVA Caterpillar Make DG set alternator side & 11 KV HT I/C, O/G, Relay metering panel, NGR panel, Tariff panel, etc.
- = Commissioning of panels, motors & Bus bars of 10T to 44T EOT cranes.
- = Working Knowledge of SIEMENS SIMATIC PLC S7-400, Program, ladder diagram.
- = Erection of Cable tray with proper layout with consulting other department and Planning & coordinating project activities for HT & LT power & control cable laying.
- = Process the measurement and approval of contractors Bill for timely payment.
- = Identify the areas of unsafe acts, unsafe site and rectification the same.
- = Providing proper illumination by providing area lighting in plant
- = Planning and organizing preventive maintenance steps within prescribed time.
- = Preparing daily power consumption report for running plant, daily monitoring of electrical equipment, physical check and taking note of readings, for preventive maintenance.
- = Working on daily maintenance schedule of LT to HT motors, Power, distribution, converter and ESP Transformers, cleaning and blowring of contactors, LT, PCC, APFC, HT, PDB, LDB, Battery charger panels for smooth plant operation.
- = Anchoring of Insert plates during civil works as per future planning and erection & commissioning activities for all electrical equipment well within the prescribed time limit. Modification in drawing as per site construction required for easiness in cable tray laying.

#### Commercial Operations

- = Material planning, indent making, Procurement, inspection of material received on daily basis as well as record update of same.
- = Inspection of coming equipment at site like Transformers, Motors, Panels, PDB panels, etc.
- = Materials management, which involves material Planning, scheduling, storing required for execution of the above job.
- = Managing and motivating junior staff & Sub-contractors to get best out of them and make them work as a team in a project. Able to take responsibilities & motivate other people to give their best.

#### Lecturer

DTEB - Gandhinagar, Gujarat - September 2009 to February 2010

Giving lecture to Diploma engineering student.

## EDUCATION

### **BE in Electrical Engineering**

Government engineering college Dahod, GUJARAT UNIVERSITY - Ahmedabad, Gujarat  
2005 to 2009

### **HSC in Science**

GUJARAT STATE HIGHER SECONDARY EDUCATION BOARD - Vadasinor, Gujarat  
2003 to 2005

### **SSC**

GUJARAT STATE HIGHER SECONDARY EDUCATION BOARD - Vadasinor, Gujarat  
2002 to 2003

## SKILLS

MS Office, Auto CAD, Erection, Commissioning, Maintenance, Computer skills, ethernet

## LINKS

<http://www.linkedin.com/in/krunaldarjee>

## ADDITIONAL INFORMATION

### PROJECTWORK DURING ACADEMIC PERIOD:-

I have prepared project on Water Stepper motor speed control using microcontroller (AT89C51) during 7th SEM digital contactless tachometer with using microcontroller in 8th SEM.

### INDUSTRIAL VISIT & VOCATIONAL TRAINING:-

1. THERMAL POWER STATION WANAKWORI, DI: KHEDA, GUJARAT
2. GETCO SUBSTATION DAHOD, GUJARAT.
3. GETCO ALDC (Area Load Dispatch Centre) IN BARODA, GUJARAT.
4. 15 DAYS INDUSTRIAL TRAINING AT THERMAL POWER STATION WANAKWORI, DI: KHEDA, GUJARAT
5. 15 DAYS INDUSTRIAL TRAINING AT ADITYA BIRLA GROUP, HINDALCO INDUSTRIES, UNIT: BIRLA COPPER, DAHEJ, DI: BHARUCH, GUJARAT