

# **CURRICULUM VITAE**

**Pranavkumar Patel**

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Vadodara, Gujarat.**

## **Career Objective**

Intend to build a career with leading corporate companies in a hi-tech environment that will help me to explore my technical and commercial ability for betterment and development of self and the company.

## **Total Experience**

Total 2 Years 1 Months in Tendering, Project Management, Testing and Site Supervision (Substation, Transmission Line, Integrated Power Development Scheme (IPDS), Solar Projects & Distribution Projects).

## **Professional Qualification**

<b>Degree</b>	<b>Name of University</b>	<b>Year</b>	<b>Marks (%)</b>
M.Tech–Power System Engineering	R.G.P.V.	2013-16	77.70%
B.E- Electrical and Electronic Engineering	R.G.P.V.	2010-13	68.31%
Diploma – Electrical Engineering	T.E.B., Gujarat	2007-10	63.94%
10 <sup>th</sup>	GSHSEB	2006-07	61.80%

## **SUMMARY OF EXPERIENCE:**

(1) **Preparation of Tender Document, Evaluation and Award of work for** New/Augmentation of 11 KV HT/LT Line, New/Augmentation of Distribution Transformer, XLPE Underground Cabling A.B. Cabling, Metering and Rooftop Solar System projects which includes Commercial part and Technical Part for supply/erection, Bid evaluation, Negotiation and issue of LOI/LOA.

(2) **Project Management:** - Coordination with Government Agencies (i.e. UHBVN and DHBVN of Haryana Govt.), Nodal agency (i.e. PFC), and Contractors (i.e. E&M etc.). Preparation of progress schedule, weekly/monthly progress report, organizing meeting, site visit for different parties (i.e. Client, contractor, lenders etc.).

(3) **Preliminary design, Single Line Diagram, layout and Section of** Substation (AIS/GIS), (.4 kV, 11kV, 33 kV, 66 kV, 132 kV, 220 kV & 400 kV), LV/MV/HV Distribution System, Protection system, clearance diagrams, panel arrangement drawings according to Standard codes (Indian & International).

(4) **Detailed Testing for Substation and Transmission line:-** Testing and commissioning of measuring instrument and circuit breaker in 6.6kv incomer panel and controls scheme checking; Power flow study and calculation for 132kv system collapse incident; Distance protection scheme (MICOM P442) with PSL, Zone Calculation, relay configuration; Configure and testing of distance protection relay (MICOM P444) and over current & earth fault relay (P121); Cable schedule for 66kv substation.

### **WORK PROFILE:**

#### **Current Employer : Electrical Research and Development Association**

Company Profile : Electrical Project Management, Testing Calibration, Certification and Research Organization.  
Designation : Field Engineer  
Role : Tendering, Project Management, Site Supervision  
Duration : 14<sup>th</sup> Dec 2015 to Till Date

#### **Previous Employer : Zero Sequence Solutions.**

Company Profile : Testing and Consultancy Services in Transmission Sector.  
Designation : Training Engineer  
Role : Testing  
Duration : 1<sup>st</sup> Mar 2015 to 30<sup>th</sup> Sep 2015

### **Project /Industrial Training**

Industrial Training: Training in **Gujarat State Electricity Corporation Limited (GSECL)** - Wanakbori Thermal Power Station.  
M.Tech Project: Modelling and Simulation of 1 kW Solar Generation System to Grid Connected with use SPWM & SVPWM.  
B.E Project: 1) Electricity generation through rolling breaker.  
2) Piezoelectric Based Seismic Wave Detector.  
Diploma: Digital Phase Selector and anti-theft alarm for vehicles.

### **Publication of Paper**

- **"Simulated the Performance Analysis a PV Module with Consideration of Environmental Factors and Modeling Solar Photovoltaic Cell"**, International Journal for Scientific Research & Development, Vol.3, Issue 09, 2015 | ISSN (online): 2321-0613.
- **"Modelling and simulation of 1KW solar generation System to grid connected with use SPWM & SVPWM"**, International Journal for Scientific Research & Development, Vol.4, Issue 01, 2016 | ISSN (online): 2321-0613.

## **Software Skills**

- Microsoft Office (Excel, Word, Power Point)
- Mat-lab
- Auto CAD

## **Project Details:**

### **Electrical Research and Development Association**

1. Integrated Power Development Scheme (IPDS) includes New/Augmentation 33 KV line, New/Augmentation 11 KV Line, New/Augmentation Of LT Line, UG Cabling, 11 KV VCB, New/Augmentation of DT's and Metering.
2. Roof Top Solar (1168 KWp) Projects under IPDS Scheme.

### **Zero Sequence Solutions**

1. Testing and commissioning of measuring instrument and circuit breaker in 6.6kv incomer panel and controls scheme checking.
2. Power flow study and calculation for 132kv system collapse incident.
3. Distance protection scheme (MICOM P442) with PSL, Zone Calculation, relay configuration.
4. Configure and testing of distance protection relay (MICOM P444) and over current & earth fault relay (P121).
5. Cable schedule for 66kv substation.

## **Personal Details**

Date of Birth : May 25th, 1991  
Marital status : Unmarried  
Languages Known : English, Hindi & Gujarati

## **Declaration**

I, the undersigned, certify that to the best of my knowledge and belief, this CV correctly describes me, my qualifications, and my experience.

Date:- .....

(Pranavkumar Patel)