

# JOHN P LANKA

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Targeting assignments in **Engineering Projects, Engineering Design Review, Operations & Maintenance** with a leading organization.

## PROFILE SUMMARY

- Professional with **13 years** of experience in Engineering Projects Erection, Commissioning, Design review and Approval , Technical Tendering , Operations & Maintenance
- Possess skills at managing design engineering functions involving design Detailing & Review, co-ordination with internal departments
- Knowledge on ETAP to perform Load Flow Studies, Short Circuit Analysis, Relay Co-ordination, Transient, Harmonic Analysis, Ground Grid Design, Sizing of Transformers, HT, LT motors for various applications
- Attained sound knowledge of the Contract Terms, Payments and Taxation Terms
- Knowledge about process automation.
- An effective communicator with excellent relationship management skills and strong analytical, problem-solving & organizational skills.

## CORE COMPETENCIES

Erection & Commissioning  
Engineering Design Review  
Inspection & Testing  
Team Management  
Operation & Maintenance

## ORGANISATIONAL EXPERIENCE

<b>Rattan India Power Ltd. (Thaumas Infrastructure Ltd.), Nashik as Manager-Electrical</b>	<b>Since Apr'13</b>
<b>Reliance Cement Company Pvt. Ltd., Maihar as Asst. Manager</b>	<b>Mar'11-Apr'13</b>
<b>Torrent Power Ltd., Agra as Executive Engineer</b>	<b>Sep'09-Mar'11</b>
<b>Holtec Consulting Pvt. Ltd., Gurgaon as Asst. Manager</b>	<b>Aug'07-Sep'09</b>

### Key Result Areas:

- Spearheading Engineering Design approvals, Erection & commissioning of 220KV Switchyard, 220KV Single Circuit EHV Cable Line (Cross Bonding Architecture) and Plant Distribution Network like HT, LT Switchgears, Transformers, IMCC, APFC, HT Capacitors, VFD, Soft Starters, LRS, GRR, DCDB and UPS System.
- Engineering Design review of Single Line Diagram for Electrical Power Distribution system of Plants, EHV and HV Substations and Carryout various Studies Like Load Flow Analysis, Short Circuit, Relay Coordination, Transient, Harmonic Analysis and Ground Grid Design, Lightning Protection Analysis.
- Preparing Drive List, MCC Feeder List, Motor Control Schemes and Sizing of Transformers & Motors
- Calculating cable sizes and preparing of cable schedule and cable routing drawings, Reactive Power Compensation Calculations.
- Undertaking the Process and Non Process area Lighting Calculations, Selection of CT, PTs, Sizing of UPS and DC Battery Charger and Battery Bank.
- Estimation of Plant running Power expenses based on Plant production capacity and Specific Power Consumption.
- Facilitating guidance to the contractors and updating the project status report to the management on day-to-day basis for solving hindrances to the project activities.
- Ensuring a detailed study of the layout and detail drawings of the project and ensuring feasibility of the drawing with site conditions
- Adhering to quality and safety standards, norms & practices, identifying gaps and taking corrective action
- Monitoring critical situations achieving the target date for completion of project with successful commissioning of plant before time without single quality and safety deviation of the project and resolving the issues pertaining to the same
- Removing various defects in the drawings and provided insight to the concerned team highlighting with hand sketches in the drawing for rectifying the defects

### Highlights:

- 220KV Switchyard Engineering Design Documents Approvals, Drawings Approval, Erection and Commissioning.
- 220KV Cross Bonding Cable Single Circuit System.
- 400KV GIS System Operations.

- Evaluated methods for the Nashik Grinding Unit project as well as facilitated improvements in project work, these included Selection of 630sqmm, 220KV Aluminium Cable in place of 1200Sqmm, Copper Cable which reduced supply as well as service cost.

#### SOFTWARE/IT SKILLS

- ETAP 16.2( Can Carry Load Flow, Short Circuit, Star Protection Coordination, Transient Stability, Harmonic Analysis, Ground Grid Design, Arc Flash Analysis).
- Simatic Manager, WINCC, SICAM 230, TIA, DIGSI.
- Knowledge about IEC 61850.
- C,C++.
- Computer Networking ( Configuration of Switches( Vlan), Routers(RIP, EIGRP, OSPF, NAT,PAT) ).
- Other internet applications.

#### ACADEMIC DETAILS

- Master of Technology in Power Apparatus & Electric Drives from Indian Institute of Technology, Roorkee [IITR] with a CGPA of 8.03 in the year 2007
- Bachelor of Engineering in Electrical & Electronics Engineering from Andhra University College of Engineering, Visakhapatnam with 66.10% in 2003
- Diploma in Electrical & Electronics Engineering from M.B.T.S Government Polytechnic, Guntur with 70.00% in the year 1999
- 10<sup>th</sup> from Zillah Parisath High school, Ananthavaram, Board of Secondary Education with 79.67% in the year 1996

#### KNOWLEDGE PURVIEW

- CEIG Approvals
- Transmission, Distribution Open access and Grid Connectivity
- Knowledge about Contracts & Commercial and Occupational Health & Safety.
- Knowledge about Nucleonic gauges and Certified Radiation safety trainee from BARC.
- Knowledge about EHV Cable manufacturing by MDCC, CVC,VCV Processes.
- AutoCAD
- Knowledge about S7 300 PLC& Simantic Manager, Quantum PLC and Unity Pro.
- Process Automation System[DCS].

#### EQUIPMENT HANDLED

- 400KV Metal Enclosed GIS(Siemens Make: 8DQ1,8DN9)
- 330MVA,16.5/400KV GT, 20MVA 16.5/6.6KV UATs.
- 220KV, 1250A SF6 Single break Circuit breakers
- 220KV Double break Tandem isolators
- Lightning Arrestors, CTs and PTs
- 220KV Outdoor Composite Type Cable Sealing Ends, 220KV GIS End Cable Termination, Straight through Joints both Normal and Insulated
- 220KV, 1CX630 sqmm, Corrugated Aluminium EHV Cable in Cross Bonding Architecture
- 18/20MVA, 220/6.6KV ONAN/ONAF OLTC Power Transformer along with fire detection & HVWS system
- Control and Relay Panels for Both Line and Transformer Bays
- 315MVA,400/16.5KV GTs; 20MVA16.5/6.6KV UATs; 8/10 MVA , 33/11KV; 1600KVA, 630 KVA 11/.415KV, 2500KVA 6.6/.415KV Power& Distribution Transformers, IPBD and SPBDs
- 33KV, 11KV, 6.6KV HT Boards, 415V PCC,PMCC and IMCC Panel.
- 400KW, 315KW, 110KW, 90KW and 18.5KW VFD Panels
- 132KW, 110KW Soft Starter Panels
- 2x10KVA, 2x15KVA UPS Panel
- 3500KW, 1200KW, 1550KW, 1650KW HT Motor along with HT Capacitor, LRS and GRR Panels
- 200KVAR, 600KVAR, 750KVAR APFC Panels
- 720Ah,220Ah,100Ah, 150 Ah Battery Banks and110V,50A,220V,50A Float Cum Boost DC Chargers.

#### EQUIPMENT INSPECTION

- Visited:-
  - BHEL, Bhopal for the inspection of HT Motors of rating 2600kW, 2800kW and 3500kW
  - Horizon (Ahmedabad) for inspection of PCC, IMCC Panels and Bus Ducts
  - VoltAmp(Baroda) for inspection of 20MVA, 220KV/6.6KV Power Transformer.
  - CCI(Sinnar) for Final and inprocess inspection of 220KV, 630sqmm, Corrugated Alu. Cable.

- ABB, Shanghai(China) for inspection of 11KV HT Switchgear.

#### EXTRACURRICULAR ACTIVITIES

- Bagged a Green Belt in Taekwondo
- Represented the Zonal Wide Sports Ball Badminton Team & bagged the 1<sup>st</sup> prize for the same in 1995

#### PERSONAL DETAILS

Date of Birth:	15 <sup>th</sup> July 1981
Languages Known:	English, Hindi and Telugu
Permanent Address:	Ananthavaram Post, Kollur Mandal, Guntur District-522301, Andhra Pradesh
Temporary Address:	Flat No. 4, Shivansh Apartment, Uttaranagar, Dwaraka, Nashik-422011, Maharashtra.
Passport No:	R6243412.