

RESUME

RAHUL ROHIDAS JADHAV

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My goal is to obtain a dynamic, challenging opportunity that contributes to the outstanding success of the business via 5 years of experience in Electrical design & Engineering.

PROFILE SUMMARY:-

- ✓ Electrical Design Engineer with **approx.5 years** of experience in Electrical design & engineering (Solar plant project including High Voltage & Extra High Voltage) services in Electrical Consultancy business, Request for proposal, detail engineering, design and engineering activities from conceptualization to commissioning,
- ✓ Expertise in **High Voltage (HV) & Extra High Voltage (EHV) design, and detail engineering** of.
 - **Solar Plant Electrical Design** (DC side design +LT/HT Cable+HT Panel+Outdoor switchyards).
 - **Switching Substations** (Outdoor switchyard + HT Indoor Switchboard + Protection system).
 - **Transmission Lines** (Overhead lines),
 - **Cogeneration Power Plant:** (HT Switchboards + Transformer + Outdoor Switchyard),
- ✓ Proficient in Preparing Technical specifications, RFP, Detail engineering and BOQ for complete **solar plant** including **HV & EHV Substation** Project.
- ✓ Proficient in Preparing SLD, Plant Layouts, Sections, Cable Trench Layout, Cable route, Cable Termination, Lighting Layout, Foundation layout, Earthing Layout & calculations with reference IS & IEC standards & site requirement.
- ✓ Preparation of Protection scheme required for HV / EHV substation (CR Panel scheme), Cable sizing, Cable Schedule & Cable Termination Schedule as per vendor drawings.
- ✓ Preparation of String configuration, Tilt optimization, SCB sizing, DC cable sizing with reference to standards etc. required for solar plant project.
- ✓ Review of design drawings and documents required for solar project and substation project execution prepared by contractor, also checking of vendor drawings, Do's & Don'ts.
- ✓ Fault level calculation, Voltage drop & Relay co-ordination.
- ✓ Inspection of HV/ EHV Switchgear equipment as per IS & IEC standards.
- ✓ **Software used: Auto-Cad, E-tap, PV-Syst, MS-Office.**

CORE COMPETENCIES:-

~ Electrical Design	~ Detailed Engineering	~ Engineering Review
~ Drawing & Documentation	~ Technical Evaluation	~ Vendor Communication

ORGANISATIONAL EXPERIENCE:-

- ❖ Mar'16 – Jan'17 - Project Engineer (Design & Engg). – SgurrEnergy India Pvt. Ltd., Pune
- ❖ May'12 – Mar'16 - Electrical Design Engineer - P G Associates Pvt. Ltd, Pune

PROJECT HANDLED:

- ❖ **100MW Solar Plant** at Veltoor, Telangana for Suzlon Energy Ltd. (220/33kV, 2 x 50MVA Transformer, Substation).
- ❖ **50MW Solar Plant** at Wanparthy, Telangana for Suzlon Energy Ltd. (132/33kV, 2 x 25MVA Transformer, Substation).
- ❖ **330/132/33kV** Substation for Power Holding Company of **Nigeria**. At Ayede, Ijebu Ode, Oshogbo, Mando Road, Dan Agundi. (132/33kV, 45MVA/ 60MVA Transformer).
- ❖ **330/132/33kV** Substation for Power Holding Company of **Nigeria**. At Afam -1, Eket, Aba, Port-Harcourt, Afam-4. (132/33kV, 60MVA Transformer)

- ❖ **330/132kV, 125MVA** Transformer Bay Extension at Kafue Town Substation & **132/33kV, 90MVA** Transformer Bay Extension at Waterworks Substation, Zambia.
- ❖ **15MW Solar Plant** at Achampet & Bhainsa, Telangana for Suzlon Energy Ltd. (33kV Substation)
- ❖ **40MW Solar Plant** at Katol Maharashtra for Rattan India Ltd. (33kV Substation)
- ❖ **132/33kV, 2 x 25/30MVA** Transformer, Substation for 50MW Solar Plant at Tandoor, Telangana for First Solar Ltd.
- ❖ **132/22kV Substation** & 132kV Transmission Line for Kalyani Thermal System Ltd. At Ranjangaon MIDC (132/22kV, 12.5MVA Transformer).
- ❖ **132/11kV** Substation for Bosch Ltd. At Nashik (132/11kV, 12.5MVA Transformer).
- ❖ **33kV Substation** for **25MW** Solar Power Park at Karajgi, Solapur.
- ❖ **15MW Co-geneation Power Plant** & 132kV Transmission line for Utopian Sugars Ltd. At Mangalweda, Solapur. (132/11kV, 15/20MVA Transformer).

ROLES AND RESPONSIBILITIES:-

- ✓ Development.
- ✓ Basic data collection, Preparation of BOQ with basic estimates.
- ✓ Preparation of SLD, Layout (Considering Site feasibility, economical aspect, etc.), Earthing layout, Switchyard Lighting Layout, Switchyard Foundation Layout, Cable Trench Layout & Cable routing Layout, all other execution / construction drawings.
- ✓ Preparing Foundation layout, Cable Trench Layout, Cable route, Cable Termination, Lighting Layout & other drawing related to Switchyard or drawings required for execution.
- ✓ Preparation of String configuration, SMB sizing, DC cable sizing with reference to standards etc. required for solar plant project.
- ✓ Switchyard & control room illumination layouts & estimates.
- ✓ Selection and or sizing of equipment required for solar and substation project.
- ✓ Review of vendor drawings.
- ✓ All type of Tender Documents Preparation for Project Contract.
- ✓ Cable Schedule & Cable Termination Schedule as per vendor drawings.
- ✓ Review of progress & preparing reports for same.
- ✓ Inspection of HV & EHV Switchgear equipment as per IS & IEC standards.
- ✓ Technical & commercial discussion with client.
- ✓ Co-ordinate with government authority.

EDUCATIONAL QUALIFICATION:-

Examination	University or Board	Year of passing	Percentage
B.E. (Electrical)	Pune University	2011	64.86%
HSC	Maharashtra Board	2007	68.50%
SSC	Maharashtra Board	2005	75.73%

PERSONAL DETAILS:-

Name : Rahul Rohidas Jadhav.
 Sex : Male.
 Date of Birth : 10th March 1990.
 Address : Flat No. C-304, "Brahma Sky City",
 Survey No.: 25 & 25A, Dhanori,
 Pune.Maharashtra – 411015
 Languages known : English, Hindi, Marathi.

DECLARATION:-

I hereby declare that the information furnished above is true to the best of my knowledge.

Place:

Date:

(RAHUL JADHAV.)