

Rahul Patidar

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» Profile

A Qualified Techno-Commercial Personnel having gained sound knowledge as well as **5Yr7Months** of experience(**Totaling 435MW and 1177MW ongoing**) in Project Management, Execution, Testing & Concept to Commissioning, Handover, Operation & Maintenance, BOQ Billing. Possess sound knowledge in Power Generation, Transmission & Distribution System (EHV, HT and LT), Solar Power Projects. Exposure in handling quality related activities of various electrical equipment's involving resource planning, in-process inspection, Team building and Co-ordination with internal departments.

» Work Experience

Total Experience:-5Yr7 Month

Sterling & Wilson Limited – New Delhi India

Senior Electrical Engineer- Solar International Div., Nov 2017 – Present

Current CTC - INR 13.3 LPA + Visa, Food, Accommodation, Tickets, Transportation Etc.

Location- ABU Dhabi, UAE

1177 MW Noor Abu Dhabi Solar PV Project, Single Location World largest SPV Sweihan Abu Dhabi

Executing Erection Construction Testing and Commissioning of 2 Nos 220 / 33 kV Substations with 500MVA Capacity Each.

85 MW Solar PV Project with Tracker, (Noor IV Part of 170 MW) Laayoune Province, Morocco

Executed EPC Basis project as a Package Electrical Manager of PV Plant-Electrical Construction Solar Field contain Inverter stations (Ingeteam Spain Inverters), DC and AC Package.

ACME Cleantech Solutions Pvt. Limited – Gurgaon(HR) India

Senior Engineer-Electrical (Projects) , May 2016 – Oct 2017

100 MW Solar PV Project Pavagada KSPDCL 2000MW Solar Park, Tumkuru, Karnataka

50 MW Solar PV Project Nirmal Nizamabad Telanagana

50 MW Solar PV Projects, Rudrapur Uttarakhand UK

30 MW Solar PV Project , Mahoba Uttar Pradesh(UP)

Project Synopsis

Executed Erection Construction Testing and Commissioning of 50+50 MW Solar Project including Pooling End 66kV Switchyards and Double circuit 66kV Underground EHV Cable laying from Pooling end to GSS End.

Executed Individually Testing and Commissioning of 50 MW Solar Project including Pooling End 132kV Switchyard(2x25MVA Transformers with Nitrogen Injected Fire Protection System NIFPS), MCR including CRP, 33kV MV/HT Panels, Substation Automation System and SCADA, Bay Extension, AC-Solar Contented 5 MVA Inverter Transformers, 2500 kVA Inverters, Outdoor 33 kV HT Panels, HT Cabling, Lightning Protection,

Executed 50 MW Solar PV Project Management, Execution, Testing & Commissioning of AC Package, Internal DC 33 kV Transmission line, 33 kV Switchyard, 33kV Feeder Bay Extensions for Power Evacuation including ABT Metering at 132/33 kV UPCL Substation, Overall Plant Earthing, Lightning Protections.

Executed 30 MW Project Management, UPPTCL Liosoning, Construction, Erection, Testing & Commissioning of 30 MW Solar PV Power Project which includes 132 KV Switchyard including ABT Metering, 132KV SC Transmission line with Remote End Bay Extensions at UPPTCL Substation, ABT Metering for Power Evacuation, SCADA, BOS-AC(1000kVA, 680kVA Solar Inverters along with Ducting, 11KV HT Indoor/Outdoor Feeder Switchgears, 4MVA Inverter Transformers, HT/LT Cabling/Termination etc), Overall Plant Earthing and Lightning Protection and Data Connectivity to UP-SLDC via BSNL 64kbps/2Mbps P2P Leased Circuit.

Welspun Energy Limited – Noida(UP) India

Engineer-Electrical Solar, March 2015- May 2016(1 Yr 3 Month)

Location- Kurnool AP and Trichy TN

70 MW Solar PV Project , Kurnool Andhra Pradesh (Part of 100 MW Power Projects)

50 MW Solar PV Power Project, Trichy Tamilnadu (Part of 300 MW Power Projects)

Project Synopsis

Executed Project Management, Construction, Erection, Testing & Commissioning, Operation & Maintenance of 70 and 50 MW Solar PV Power Projects which include 110/33 kV and 132/33 kV Switchyard, 110 KV, 132KV DC Transmission line with Remote End Bay Extensions at TanTransco & APTransco Substations, BOS-AC (1000KVA ABB Solar Inverters along with Ducting, 33KV HT Indoor / Outdoor Switchgears, 4 MVA, 2 MVA Step up Inverter Transformers, HT/LT Cabling/Termination etc), Overall Plant Earthing and Lightning Protection, Substation Automation System(SAS), Power Line Carrier Communication(PLCC) and RTU for Data Transfer to SLDC..

Responsibilities Undertaken:

- Project Management and Execution of Entire scope of work including Power Evacuation Scheme
- Monitoring all activities at site Daily/Weekly/monthly for yielding maximum output as per L1 and L2 schedule.
- Coordinating with Vendors at site for work progress & in finance for payment.
- Coordinating with Engineering, SCM & F&A department.
- Project Planning and Review meetings with Upper Management, site staff & Vendors.
- Preparation of JMC and MB book and coordinating for approval.
- Planned way working with time management for job completion within prescribed time.
- Project Execution includes Erection, Testing & Commissioning of 132/33kV, 110/33kV, 132/11kV, 33kV Switchyards content Power Transformers of 2x45 MVA along with Nitrogen Injected Fire Protection System, 2x31.5 MVA, 1x31.5 MVA and 4MVA Inverter Transformers, 33kV, 11kV HT and 1.1kV 240/300 sqmm XLPE Armoured Al/Cu LT cable laying, Control and Relay Panels(ABB, Seimens, Venson electric, System Control, AC/DC System includes FCBC charger and VRLA and NiCd Battery banks of DC 110V Capacities , Overall Lightening Protection, Maintenance free Earthing Techniques, Plant Earthing, Control and Power Cable Laying/Termination/Testing, Plant Lighting, Lattice GI Structure Gantries, Stringing and Bay interconnection with Moose/Zebra/Panther/Coyote/Dog Conductor etc.
- **Complete Testing and Commissioning** of Substation/Switchyard Equipment and Numerical Relays(ABB, Seimens, GE, Micom, JVS etc.) i.e. Power Transformer, Circuit Breaker(SF6, Vacuum), CT/VT/CVT, LA, Isolators(Motorised/Non Motorised), NIFPS system, Pre commissioning Checks, Scheme checks of Control & Relay Panels, Interlocking as per designed scheme, FCBC/FC DC System Charging and discharging.
- Fully focusing on Quality and 100 % Safety of work and necessity of things to improve quality.

Shreem Electric Limited – Jaysingpur (MH) India

Project Engineer- Execution & Testing (GET), Nov 2012 – Feb 2015 (2 Yr. 4 Months)

Turnkey EPC Project (JICA Funded) of State Transmission Utility i.e. MPPTCL and TNEB.

Project Synopsis

Executed EPC Turnkey Project Construction, Erection, Testing & Commissioning of New 400/230-110 kV, 220/132/33 kV, 132/33 kV Substations, 160,63 MVA Additional Transformers and Many Bay extension work in existing Substation under MPPTCL Madhya Pradesh and TNEB Chennai.

Project Executed as below:

400/230-110 kV Substation- 1 no.

220/132/33 kV Substation – 1 no.

132/33 kV Substation – 7 nos.

160,63 MVA Additional Transformer- 08 nos along with HV/LV Bays and 30 plus 132 kV Bay Extension works.

Responsibilities Undertaken:

- Mainly role involved as a **Testing Engineer**.
- Project Coordination and Execution end to end responsibility as per scope of work.
- Monitoring all Testing activities at site & planning Daily/Weekly for Scheduling of Testing & Commissioning needs with Project Manager.
- Planned way of working with time management for job completion within prescribed time.
- Erection of Lattice structures , Equipment Installation and Earthing.
- **Testing and Commissioning** of 400/230/110 kV, 220/132/33 kV, 132/33 kV Substation Equipment's like Power Transformers along with Nitrogen Injected Fire Protection System, Precommissioning Checks, Control and Relay Panels Scheme Checking, Numerical Relays, ACDB/DCDB/FCBC/FC Charging System with NiCd

Battery Banks ,SF6/Vacuum Circuit Breaker ,CT/PT/CVT/CC, Surge Arresters , Capacitor bank, NCT, PLCC System Etc. Also involved in part time maintenance activities.

- LT Armoured / Unarmoured Cu Control and Power Cable laying, Glanding and termination, GI Cable tray erection and Ensuring of termination by testing.
- Indoor/Outdoor Lighting of Substation and surrounding area..
- Joint Measurements of work , Planning for BOM.
- Fully focusing on Quality and 100 % Safety of work and necessity of things to improve quality.

» Training Undergone

- 15 Days Training at “M.P.P.K.V.V.Co.Ltd.” Indore, M.P. on Electricity Transmission & Distribution.
- 10 Days Training at 1000MW “Narmada Hydroelectric Development Corporation(NHDC)”Indira Sagar Project,NarmadaNagar,Khandwa,Madhya Pradesh on Electricity Generation.

» Projects

- **Major Project:** Power Line Spike Detection, And Data logging.
- **Minor Project:** Fire Protection by “PyroElectric Fire Alarm”.

» Education

- Bachelor of Engineering (Regular, Electrical & Electronics Engineering) from Shri Vaishnav Institute of Technology & Science, Rajiv Gandhi Technical University, Indore(MP) in 2012 and achieved 70.37%.
- HSC from Govt.H.S.S. ChhegaonMakhan (Khandwa) in M.P. Board in 2008 and achieved 66.8 %
- SSC from Govt.H.S.S. ChhegaonMakhan (Khandwa) in M.P. Board in 2006 and achieved 65.0 %

» Personal Details

Father's Name : Mr. Kailash Patidar

Date of Birth : June 10, 1989

Nationality : Indian

Passport No. : P2222498(Validity Nov-2026)

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Marital Status : Married

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