

Kusum Gahlot

Lead Project Engineer

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A committed engineer and a seasoned professional in substation designing. Worked with EPC majors & Developers for 7+ years. I find myself capable of handling projects and tenders simultaneously with track record of on-time submission, skilled in working under pressure and adapting to new situations and challenges to best enhance the organizational brand.



Key Skills

Design & Engineering of primary of AIS/GIS substation for voltage range of 33kV to 765kV

- Substation overall layout/GIS layout preparation – plan & section
- Foundation and loading data preparation for GIS & GIB
- 3D model creation
- Preparation of SLD, Gas SLD & LT AC/DC SLD
- Preparation of DSLP layout, erection key diagram, UHF sensor layout, cable trench layout, cable tray arrangement, earthing layout, assembly overview drawing
- Power and control cable schedule
- Engineering design calculation – DSLP (Razevig), conductor sizing, battery sizing, CT sizing, cable sizing, earthing calculation, AC/DC load calculation, thermal loss calculation, resistance calculation for factory and commissioning, cable length & accessories calculation
- Preparation of BOQ, GTP, RFQ
- Validation of GTP – circuit breaker, isolator/earthing switch, power transformer, LA, CT, PT, CEU, Bushing, clamp & connectors, insulator & hardware
- Preparation of purchase requisition through SAP
- Client coordination
- IEEE, ANSI & IEC standards

Software Exposure

- 3D Tool- Creo/ProDesign
- 3D GIS Viewer
- AutoCAD
- SAP
- MS Office Suite

Education

B. Tech-Electrical and Electronics Engineering - 2016
Lovely Professional University, Punjab
CGPA-8.33

Higher Secondary - 2012
Shri Ram Krishna H S School
Chhattisgarh
Marks-88%

Secondary - 2009
Saraswati Shishu Mandir High School
Chhattisgarh
Marks-90.1%

Organizations

	Jul 2016 - Mar 2020
KEC International Limited, Gurgaon <i>Electrical Design Engineer</i>	
	May 2020 – Jun 2021
Hyosung T&D India Private Limited, Pune <i>Electrical Project Engineer</i>	
	Jul 2021 – Present
Hitachi Energy Ltd., Bangalore <i>Lead Project Engineer</i>	

Languages

- English
- Hindi

Certification

Training on High Voltage Gas Insulated Switchgear (HV GIS) & Hybrid Switchgear held at ABB India Limited, Vadodara (30th January-2nd February 2019)
Vocational Training on substations held at Chhattisgarh State Power Distribution Company Ltd. (CSEB) (15th June 2015- 7th July 2015)
Dr. B. R. Ambedkar Merit Certificate (2009)
Leadership Intervention Training/Certification held at Hitachi Energy, Chennai (January 2023)
Lean Six Sigma Yellow Belt Training/Certification held at Hitachi Energy, Chennai (October 2021)
Lean Six Sigma White Belt Training/Certification held at Hitachi Energy, Chennai (September 2021)