#### PLANT MANAGER

#### Description:

Summary

GE Renewable - Grid Solution Integration product line is globally recognized for designing, manufacturing, and delivering customized High Voltage Direct Current (HVDC) solutions for utilities worldwide. With over 130 years of pioneering experience, GE offers two HVDC technologies, Line Commutated Converters (LCC) and Voltage Source Converters (VSC), to support a broad range of applications and deployable in different schemes including overhead line (point to point), back-to-back, submarine/land cable and offshore.

Every HVDC solution is tailored and designed based on a project-by-project assessment of the customers' individual requirements, whether it's for connecting offshore wind generation, long distance power transmission, or energy trading between independent networks.

Within this cross-centers and multicultural organization, the Project **Plant** **Engineer** is supporting the design of optimized HVDC substation layouts that integrate all the required equipment considering their installation, operation, and maintenance constraints. You can intervene either during Intent To Order and/or Order To Remittance stages. You will report directly to your regional's Team Leader and functionally to Project **Plant** Lead **Engineer**.Job Description

Essential Responsibilities

Engineering deliverables comply with safely regulations and contractual requirements

Design, preparation, and review of indoor/outdoor equipment layout includes general arrangement, civil guides drawing, and installation (erection) drawings for AIS/GIS High voltage substations

Conversant in managing the interface with civil / **mechanical** / LV design engineering team

Define and review the electrical/maintenance clearances for indoor/outdoor substation areas

Design, preparation, and review of cable trenches, cable tray/ladder and conduits routing for overall substation

Design optimized substation & buildings layouts integrating all the required equipment considering their installation, operation, and maintenance constraints

Prepare design specification of HV/MV connectors, conductors, Insulator, and support project lead in producing procurement inquiry packages (RFQ)

Support conversion of project contractual documents into function's engineering requirements

Supports the Project **Manager** in overall project progress, project risk and opportunity assessments and implementation of resulting actions

Collaborates on project installation, commissioning, and site activities, clarifying potential issues or providing solutions to correct engineering errors

Support answers to client, partners & suppliers technical queries related to your function

Support projects design and gate reviews related to your function

Provides feasible and cost-effective solution for tender

Support continuous improvement within function/engineering discipline

Qualifications and Skills

A bachelor's degree in electrical/**mechanical** engineering or related discipline

Strong knowledge on High Voltage substation international standards & guidelines (IEC, IEEE, CIGRE etc.) and related equipment and substation design

Knowledge of primary/secondary design of substations or power plants or HVDC converter stations

Proficient with Autodesk CAD tools Revit, BIM360 etc.

Good understanding of onshore civil engineering and offshore platform design and requirements

Basic knowledge on contract and project management, Engineering, Procurement and Construction (EPC), or Engineering equipment package (EEP) type

Analytical mind, rigorous and commitment

Professional English spoken and written