

4.4.4 Power Supply

The power supply network comprises of over head transmission lines (OHTL), cables and street lighting. The required corridor widths for the OHTL or cables will be in accordance with the TRANSCO and ADDC requirements and standard details. Furthermore, TRANSCO is also responsible for planning, development and operation of Water and Power Transmission Assets in the Emirates of Abu Dhabi and Northern Emirates.

4.4.4.1 TRANSCO Over Head Transmission Lines

The ROW or the corridor width requirement for OHTL is mainly dependent on the minimum horizontal and vertical ground clearances, required for different type of towers and conductors that are defined based on span length, wind load and weight and voltage levels. Typical corridor widths with respect to different voltage levels are presented in Table 8. Typical details of the OHTL corridor are presented in Figure 14.

Table 8: Typical Corridor Requirements for OHTL

Voltage Level (kV)	Typical Corridor Width (m)
132	50
220	70
400	100

Figure 14: Typical details of OHTL Corridor

