3.1.9 Location of Substation Plot

3.1.9.1 400/132kV Substation Location

- The 400/132kV substation plot should have access to heavy vehicles.
- Enough space/corridors for taking 400kV overhead lines IN/OUT.
- Enough space/corridors for taking 132kV cables IN/OUT.

3.1.9.2 132/11kV Substation Location

- The 132/11kV substation plot shall have access from two major roads or one major road and Sikka (min 7m wide). The longer side (60m) shall face the main road.
- The access road to the substation plot shall be adequate for smooth maneuvering of heavy vehicles (low bed trailer, crane, etc.).
- Enough space/corridors for taking 132kV cables IN/OUT.
- Enough space/corridor for taking out 80 numbers of 11kV outgoing cables with proper duct arrangement with minimum 150mm space between the cables.
- Location of 132/11kV substations should be provided at the load center and close to District Cooling Plants (DCP) if available.
- When a project requires more than one 132/11kV substation, the feeding zone of each substation shall be specified.

3.1.10 The 132/11kV Substation Plot Verification Requirements

In order to review the proposed 132/11kV substation plot, the developer / consultant to comply and submit standard substation plot verification list (refer to Annexure-7.5) for each 132/11kV substation plot, along with respective drawings / layouts.

3.1.11 Site Plan for 400/132kV and 132/11kV Substation

Approved site plan /affection plan (in the ownership of DEWA) of the substation plot is required from the concerned Zoning Authority. The developer shall confirm, whether the building permit for the substation building will be issued by Dubai Municipality or other Zoning Authorities.