

The utilities lines should cross underneath TRANSCO existing lines and as per ADWEA /TRANSCO standard specifications.

Any case of crossing TRANSCO existing power transmission underground cables or OHTL by hydrocarbon gas or liquid pipeline, the project contractor is requested to make a mitigation study and take any necessary precaution / protection to avoid the AC interference (end used voltage and short circuit current) from TRANSCO existing power transmission underground cables and the proposed pipeline, where Transco shall not be responsible for any interference or damage to the other utility line

Copies from the Standard Conditions for Safety and Protection of Water and Power Transmission lines can be obtained from the website (<http://www.transco.ae/media/docs.htm>) and need to be followed by any contractor before starting any works on site.

4.4.4.2 ADDC Over Head Transmission Lines

Typical corridor widths, as per ADDC standards, with respect to different voltage levels are presented in Table 10.

Table 10: Typical Corridor Requirements (ADDC)

Voltage Level (kV)	No. of Circuit	Type of Structure	Typical Corridor Width (m)
33	2	Steel Tower	25.0
33	1	Steel Mono pole	7.0
33	1	Wooded Pole	7.0
11	1	Wooded Pole	3.0
11	1	Steel Mono Pole	5.0

In case of 33kV steel tower, double circuit line with access road and pile type foundations, the OHTL corridor minimum width of 25.0m is enough at critical place under the conditions that there are no obstructions. The vertical and horizontal clearances of not more than 2.5m to 5.0m will be required.

Under ground services shall not be present within this corridor up to 35m below the ground level. OHTL shall be 30m away from gas or oil pipeline and steel pipe or cast iron pipe.

In case of 33kV steel mono pole, single circuit line with pole foundation and no access road, the OHTL corridor width of 7.0m is sufficient if there are no obstructions. The vertical and horizontal clearances of about 1.5m to 4.0m will be required.

Under ground services shall not be present within this corridor up to 5.0m below the ground level. OHTL shall be 25-30m away from gas or oil pipeline and steel pipe or cast iron pipe.

In case of 11kV steel mono pole, single circuit line, the OHTL corridor width of 5.0m is sufficient if there are no obstructions. The vertical and horizontal clearances of about 1.5m to 3.0m will be required.