Civil Work Tests

The following tests shall be carried out by the Contractor at site, and if requested in the presence of the Engineer.

Item	Description	Standard
1.	**Soil resistively Tests** **Tests by an approved method and using an approved instrument, shall be carried out by the Contractor at suitable intervals along the line route during the survey work, when ordered by Employer or Engineer**	**DIN/BS**
2.	**Tests on Concrete** **Tests on concrete shall be carried out on samples obtained at site to demonstrate compliance with Standards**	**DIN/BS**
3.	**Foundation Type Test** **Tests on each foundation type installed to demonstrate uplift & compression loads and foundation bearing capacities**	**As specified, DIN, VDE, BS**
4.	**Stay block (assembly) Routine Test** **Uplift load tests on each type of working stay block to prove design assumption**	**as above 5) or specified**

Note: Further to above standards also other standards as approved by the Engineer may be accepted.

Tests on Completion

Item	Description
a)	**Prior to the energizing, the Contractor shall provide the Engineer with a written statement that all personnel and all temporary erection earthing points are with-drawn and the line is ready for energizing.**
b)	**The Contractor shall make all checks and measurements deemed necessary by the Engineer having a connection with the completion of the work.**
c)	**The Contractor shall be responsible for satisfying the Engineer when the lines are ready to be tested and shall conduct the tests in the presence of and as instructed by the Engineer. If any failure is detected, the Contractor shall locate and determine the cause of the failure and shall make any replacement or repair necessary or correct any errors in the installation to the satisfaction of the Employer/Engineer and at no extra cost to the Employer.**
d)	**The line shall be energized at full working voltage before handing over and the arrangement for this, and such other tests as the Employers/Engineer shall desire to make on the complete line according to the standards of practice of the Employers/Engineer, shall be assisted by the Contractor who shall provide such labor, transport and other assistance as required without extra charge.**
e)	**The line shall be tested for insulation by the continuous application for 24 hours of the rated line voltage between the phases.**