Environmental Conditions for Erection and Operation of HV Test Systems

quotation number: ________________
(will be filled in by HIGHVOLT)

PERSONAL DATA
name: *
company / institution: *
phone: 
e-mail: *
fax: *

HIGHVOLT HIGH-VOLTAGE COMPONENTS ARE NORMALLY DESIGNED FOR THE FOLLOWING CONDITIONS

<table>
<thead>
<tr>
<th>erection</th>
<th>ambient temperature</th>
<th>relative humidity (up to 30°C)</th>
<th>altitude</th>
<th>wind velocity</th>
</tr>
</thead>
<tbody>
<tr>
<td>indoor</td>
<td>+5 to +35</td>
<td>≤ 90</td>
<td>≤ 1000</td>
<td>-</td>
</tr>
<tr>
<td>outdoor</td>
<td>-25 to +40</td>
<td>&lt; 98 (without dew)</td>
<td>≤ 1000</td>
<td>90</td>
</tr>
</tbody>
</table>

If required by the customer, HIGHVOLT HV test systems can be modified for harder conditions and additional demands (for example earthquake-proof) and can be specified for deviating nominal data.

placing location / country
height above sea level: ............ m

TEST FIELD
indoor ☐ outdoor ☐
• new building ☐
• existing building ☐

DESIRED PLACING OF THE HV GENERATOR(S)
stationary in test lab ☐ movable in test lab ☐ for on-site testing ☐
• rollers ☐
• rails ☐
• air cushions ☐

available space for the installation of the HV test system
width ...... m  X  length ...... m  X  height ...... m

Please turn over!
If the space is very limited, add a drawing!

length of the measuring and control cables between control room and HV generator

standard (25 m) □ other □ .......... m

<table>
<thead>
<tr>
<th>environmental operation conditions:</th>
<th>ambient temperature</th>
<th>max. relative air humidity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>°C</td>
<td>%</td>
</tr>
<tr>
<td>for the HV generator and components</td>
<td>min max</td>
<td></td>
</tr>
<tr>
<td>for the control measurement system</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for the regulation unit</td>
<td></td>
<td></td>
</tr>
<tr>
<td>for the switchgear</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ADDITIONAL CONDITIONS FOR THE OPERATION OF THE HV TEST SYSTEM**

air pressure (if altitude > 1000 m): min. ........ hPa max. ........ hPa

max. earthquake intensity: ............... acc. ............... scale

for outdoor erection additionally:

- rain often □ sometimes □ seldom □
- snow / ice yes □ no □

max. test voltage in presence of

- rain: ............... kV
- snow / ice: ............... kV

max. wind velocity: ............... km/h

air pollution yes □ no □

kind

**SPACE FOR REMARKS**