TECHNICAL QUESTIONNAIRE 0.101/3

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: _____

** mandatory fields*

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

erection	ambient temperature	relative humidity (up to 30°C)	altitude	wind velocity
	°C	%	m	km/h
indoor	+5 to +35	≤ 90	≤ 1000	-
outdoor	-25 to +40	≤ 98 (without dew)	≤ 1000	90

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

environmental operation conditions:	ambient temperature		max. relative air humidity
	°C		%
	min	max	
for the HV generator and components			
for the control measurement system			
for the regulation unit			
for the switchgear			

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

For further information please contact:

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