STATEMENT FOR MICRO-PRODUCTION CONNECTION

The following micro-production facilities are undersigned to connect to existing orders.

Applicant:				
Name:				
Address:				
Telephone:				
Installer:				
Name:				
Address:				
Telephone:				
E-mail:				
Installation Data:				
Power Type:	Solar	□Wind	□Water	□Bioindustries
Facility Model:	SG33CX			
Capacity:	33kVA/kW			
Efficiency:	Max. 98.3%			
Max. AC current:	55.2A			
Type-Examination:	Yes	□No		

Protective Parameters:

Power Protection Settings		Set value	Set value		Recommended value		
(found in the in protocol)	nverter	typ-testing-	Time	Level	Time	Level	
Over voltage (s	tep 2)		0,1 s	255,3 V	60 s	255,3 V	
Over voltage (s	Over voltage (step 1)		0,1 s	264,5 V	0,2 s	264,5 V	
Under voltage		0,1 s	195,5 V	0,2 s	195,5 V		
Overfrequency		0,1 s	52 Hz	0,5	51		
Underfrequenc	У		0,1 s	47 Hz	0,5 47		
Protection aga operation	inst unw	anted island	NA		0,15 s		
Power quality Value values		Recommended limit					
Flicker values	licker values P _{st}	NA		0,35		Flicker calculated according to EN 61000-3-3	
max 16 A	Plt	NA		0,25			
El: I	P _{st} 0,29 0,35	0,35	Flicker calculated according to:				
Flicker values > 16 A	P _{lt}	0,28	0,25		□□EN 61000-3-3 □□EN 61000-3-11		

Frequency Response Settings

Items	Yes/No	Reference
Can the system remain connected within the following		EIFS 2018:2
frequency range:		3rd chptr §1
At least 30 minutes within the frequency range 47.5 - 48.5 Hz?	Υ	
At least 30 minutes within the frequency range 48.5 - 49.0 Hz?	Υ	
Unlimited in frequency range 49.0 - 51.0 Hz?	Υ	
At least 30 minutes within the frequency range 51.0 - 51.5 Hz?	Υ	
Does the facility meet the requirement to remain connected to the network and operate at frequency change rates up to 2.0 Hz /s? 1	Y	EIFS 2018:2 3rd chptr §2
Can the plant reduce its active power output when frequency exceeds 50.5 Hz?	Υ	EIFS 2018:2 3rd chptr §3
Does the plant meet the statistic factor ² requirement of 8%?	Υ	EIFS 2018:2 3rd chptr §4
Reduced output power from the system by maximum 3.0 percent per Hz at frequencies lower than 49.0 Hz?	Y	EIFS 2018:2 3rd chptr §7
Automatic reconnection of the system takes place only within frequency range 47.5 - 50.1 Hz	Y	EIFS 2018:2 3rd chptr §8
If yes to the above, certify that connection is made first when the network frequency has been within this range continuous for at least 3 minutes?	Y	EIFS 2018:2 3rd chptr §8
The plant meets the requirement for an increase in output active power at automatic connection according to:		EIFS 2018:2 3rd chptr §9
<49.9 Hz - Increased rate of output active power not limited	Υ	
49.9–50.1 Hz - Increased rate of output active power is maximum 10 percent of rated output per minute	Υ	
> 50.1 Hz - Increase of output active power does not occur	Υ	
	Value	
Enter the lowest active power output (in kW) that the plant can be controlled down to over frequency	3	EIFS 2018:2 3rd chptr §5

 $^{^{}m 1}$ The value of the frequency change rate should be measured at the connection point and calculated over a period of 0.5 s.

It is hereby certified	that the above information is correct:	
 Signature	Printed name	
City	Date	

² The statistic factor is the ratio between a frequency change and the change in output power expressed as a percentage. The frequency change is expressed as a ratio between current frequency and nominal frequency. The output power is expressed as a ratio between rated power and output power at over-frequency on the grid. At control of output power due to over-frequency, the static factor is calculated based on the installed power of the system. According to section 6 of EIFS 2018: 2.