

Voltage and Reactive Power Control Service 2021

Bidding instructions

1. Introduction

ELIA will contract several Voltage Service Providers (VSPs) for the service of voltage and reactive power control for the delivery period of 1st January 2021 to the 31st December 2021 included.

A VSP Contract will be awarded to the selected VSPs following the advice of the CREG regarding the reasonability of the prices proposed in the submitted offers.

The minimal technical requirements for a technical unit to be contracted are:

1. Minimal volume to be produced or absorbed: 1 Mvar
2. Fulfilment of the technical requirements specified in the applicable Grid Code.
3. Fulfilment of the technical requirements specified in the VSP Contract¹

2. Content of the offer

In order to offer the voltage and reactive power control service, a tenderer has to provide ELIA, **at the latest by the 3rd of July 2020**, the following documents:

a. A letter in which:

- The tenderer accepts the dispositions of the VSP contract¹;
- The tenderer commits, by submitting its signed offer, to respect fully and without reserves the bidding instructions.
- The tenderer states that his offers are valid until 31/12/2020;

b. The tenderer submits:

- A filled-in Annex 1 of the VSP Contract, which contains technical parameters of all technical units the tenderer wishes to offer for the voltage and reactive power control service.
- A signed Grid User Declaration, according to the template in Annex 11 of the VSP Contract, for the Technical Units the tenderer wishes to offer and for which he is not the Grid User.

¹ The VSP contract submitted to CREG for approval is available on Elia Website <https://www.elia.be/en/public-consultation/20200127-public-consultation-on-terms-and-conditions-for-voltage-service-providers>

- A justification for technical units who cannot be offered to provide the voltage and reactive power control service, even though they have an obligation to do so according to the Federal Grid Code;

c. The tenderer details its offered prices with respect to following principles:

1. Activation Prices

All activation prices are expressed in €/MVarh and are conform the rules set out in Annex 12 of the VSP Contract.

- **Injection of active power**

INJECTION MODE				
Controlling Technical Unit				
Properties of technical bands	MVar Absorption		MVar Production	
	<i>Q_{tech-}</i>	<i>Q₃</i>	<i>Q₁</i>	<i>Q_{tech+}</i>
2 parts of technical band >20 MVar (0 to <i>Q_{tech+}</i> and from <i>Q_{tech-}</i> to 0)	P4	P3	P1	P2
1 part of technical band >20 MVar Production (from 0 to <i>Q_{tech+}</i>)	P3		P1	P2
1 part of technical band >20 MVar Absorption (from <i>Q_{tech-}</i> to 0)	P4	P3	P1	
2 parts of technical band <20 MVar	P3		P1	
Non-Controlling Technical Unit				
	MVar Absorption		MVar Production	
	P10		P9	

- **In addition to the prices described here above, if a controlling technical unit is able to run in compensator mode, the tenderer specifies**

COMPENSATOR MODE				
Controlling Technical Unit				
<i>Properties of technical bands</i>	<i>MVAr Absorption</i>		<i>MVAr Production</i>	
	<i>Q tech-</i>	<i>Q 3</i>	<i>Q 1</i>	<i>Q tech+</i>
2 parts of technical band >20 MVAr (0 to Qtech+ and from Q tech- to 0)	P8	P7	P5	P6
1 part of technical band >20 MVAr Production (from 0 to Qtech+)	P7		P5	P6
1 part of technical band >20 MVAr Absorption (from Q tech- to 0)	P8	P7	P5	
2 parts of technical band <20 MVAr	P7		P5	

The tenderer shall provide in his offer a technical justification on the declared value of “Q1” and “Q3” as stated in Annex 12 of the VSP Contract.

2. Other costs

The tenderer may also request a compensation of his costs related to an increase of the tariff for power put at disposal for offtake (PPAD) due to the delivery of the Service. This compensation should be integrated in the offer of the tenderer with a detail of the additional supported costs as stated in Art.II.8.5 of the VSP Contract.