



# Questionnaire for a quotation to an existing electrostatic precipitator (ESP)

## Plant information

1	Name of Plant	
2	Location (post and email address)	
3	Description of installation, from which the raw gas originate (type of kiln, boiler, or process etc.)	
4	Product specification	
5	Fuel specification	

## Existing ESP information

6	Manufacturer of ESP			
7	Type of ESP			
8	Number of ESP		pcs.	
9	Number of fields		pcs.	
10	Length of each filed		m	
11	Number of gas passages		pcs.	
12	Spacing of gas passages		mm	
13	Height of collecting plates		m	
14	Height of electrodes		m	
15	Active cross sectional area		m <sup>2</sup>	
16	Active collecting surface area		m <sup>2</sup>	
17	Volume flow <sup>1)</sup>			
		m <sup>3</sup> /h eff.	Nm <sup>3</sup> /h, wet	Nm <sup>3</sup> /h, dry
18	Gas temperature			°C
19	Gas dew point <sup>1)</sup>			
		volumetric %	g/Nm <sup>3</sup> , dry	°C
20	Static pressure			mbar
21	Raw gas dust content <sup>1)</sup>			
		mg/m <sup>3</sup> eff.	mg/Nm <sup>3</sup> , wet	mg/Nm <sup>3</sup> , dry

### 1) One value required only

m<sup>3</sup> eff.: at operating temperature and pressure including humidity

Nm<sup>3</sup>: at 0 °C and 1.01325 bar

### Additional Information

To be able to prepare a quotation for retrofit, upgrade, modification or enlargement of an existing ESP, there is the following detailed information required.

- Detailed drawings, which shows the casing, the supporting structures and the internals of the ESP with dimensions.
- Photos of the ESP and its surrounding area.
- Status report of the conditions of the ESP and its electrical elements.
- Changes in operating conditions.
- Clear separation and declaration of design figures and measurement results.
- Description of the requested changes.