



Questionnaire for a quotation to an 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*			
6	Daily productivity			t/day
7	Elevation / Height above sea level*			m
8	Ambient temperature (min. / max.)			°C
9	Load from wind pressure			kN/m ²
10	Earthquake intensity			Richter / Zone
11	Power supply*		V	Hz

Raw gas data at ESP inlet of 1 ESP

12	Volume flow* ¹⁾			
		m ³ /h eff.	Nm ³ /h, wet	Nm ³ /h, dry
13	Gas temperature*			°C
14	Static pressure*			mbar
15	Composition of gas in vol. %	N ₂	CO ₂	O ₂
16	Gas dew point ¹⁾			
		volumetric %	g/Nm ³ , dry	°C
17	Acid dew point or SO _x content			
		°C	Vol. % SO ₂	Vol. % SO ₃
18	Dust content* ¹⁾			
		g/m ³ eff.	g/Nm ³ , wet	g/Nm ³ , dry

Requirements for ESP

19	Maximum dust content in clean gas or required efficiency* ¹⁾				
		mg/m ³ effective	mg/Nm ³ , wet	mg/Nm ³ , dry	%

* Minimum information, necessary for quotation; **1) One value required only**

m³ eff.: at operating temperature and pressure including humidity

Nm³: at 0 °C and 1.01325 bar

Additional Information

If available some more information could help to make a more appropriate quotation.

- Plan of site, which shows the available space for ESP installation.
- Are there existing foundations, which should be reused, if possible?
- Photos of the place, where the ESP will be installed.
- Dust properties (composition, granular size and percentage, specific weight, specific resistance).