

CUSTOMER

Contractor: _____ Phone: _____
 _____ E-mail: _____
 End user: _____ Phone: _____
 _____ E-mail: _____

SOURCE OF GAS POLLUTION – BASIC DATA

Source description
(technology): _____

Power of source: _____

Operating mode
(time utilization): _____

Source of pollution: new equipment reconstruction general overhaul common repair
 other - specify: _____

Number of considered source outlets: 1 2 another number: _____

FUEL – ONLY FOR TECHNOLOGIES WITH COMBUSTION PROCESS

Quality sort and place of origin: _____

Fuel in raw conditions:	Basic - for Guarantee	Fuel No. 2	Fuel No. 3	
- calorific value:				MJ/kg
- water content:				% mass
- ash content:				% mass
- sulphur content:				% mass

Stabilizing fuel (if any): _____

CLIMATIC DATA ON SITE

Site location: _____

Altitude a.s.l.:	m	Bar. pressure:	Pa	Seismic activity:	MCS
Ambient temperature:	min.: _____ °C	max.:	_____ °C	average:	_____ °C
Relative air humidity:	min.: _____ %	max.:	_____ %	average:	_____ %

Another specific climate (tropics, etc.) - specify: _____



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CONDITIONS FOR ELECTRIC PART AND INSTRUMENTATION

Voltage 1: V Frequency 1: Hz Class of protection 1: IP
Voltage 2: V Frequency 2: Hz Class of protection 2: IP
another - specify:
Existing master control system: none yes - specify:

EXHAUST GAS CHARACTERISTICS AND PARAMETERS

Parameters related to: outlet flange of source of pollution
inlet flange of new (reconstructed) ESP
outlet flange of existing ESP
another - specify:
Parameters valid for: nominal power of source of pollution
another power - specify:
Gas temperature: max: °C min: °C operating: °C
Gas operating pressure: Pa
Gas flow volume: max: m³A/s min: m³A/s operating: m³A/s
by gas temperature: °C and gas pressure: Pa
or recalculated to normal conditions (0°C, 101 325 Pa, wet gas)
max: m³N/s min: m³N/s operating: m³N/s
Chemical analysis (% vol.): CO2 SO2+SO3 H2O O2 CO
N2 NOx HF HCl
another - specify:
Gas property: inert corrosive explosive toxic
another - specify:

DUST CHARACTERISTICS AND PARAMETERS

Parameters related to: same place and power of source as in previous chapter
another place and power - specify:
Dust loading: g/m³A, by gas temperature °C and gas pressure Pa
or: g/m³N - recalculated to normal condition (0°C, 101 325 Pa, wet gas)



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DUST CHARACTERISTICS AND PARAMETERS

Density: specific: kg/m3 bulk: kg/m3 shaken: kg/m3
Unburnt material proportion: % mass
Specific electric resistivity: Ohm.m
Dust property: inert corrosive sticky abrasive
toxic hygroscopic dangerous
explosive, max. pressure: MPa, shattering power: MPa/s
another - specify:
Dust granulometric structure (by specific density) - method:
a (um)
Z (% mass.)
Chemical analysis (% mass):

ESP REQUIREMENTS

Kind of ESP delivery: new reconstruction general overhaul
another - specify:
Dust loading requirements at the ESP outlet:
normal gas conditions (0°C, 101 325 Pa, wet gas) mg/m3N
reference gas conditions (0°C, 101 325 Pa, 0 % vol. H2O, % vol. O2) mg/m3R
another gas conditions, specify: mg/m3
ESP efficiency requirements: none yes - specify: %
Installation:
one common ESP for all outlets of one source
individual ESP for each source outlet
one common ESP for more sources - number:
another - specify:
Number of fans for one ESP: before the ESP: behind the ESP:

ESP REQUIREMENTS

Delivery scope:

complete induced draught, incl. ESP - all-in contract

ESP only (inlet/outlet flange), incl. accessories

another - specify:

ESP location: outside inside another - specify:

Space limitation for ESP location: width: m length: m height: m

Free space under ESP bottom hopper flange: m measured from:

Max. design temperature for ESP loading: up to 300°C another - specify:

Max. design pressure for ESP loading: ±3,5 kPa another - specify:

Max. loading of ESP stairs and platforms: 2,0 kN/m² another - specify:

Wind loading of ESP: kN/m² Snow loading of ESP: kN/m²

Unusual ESP painting requirements: no yes - specify:

OTHER REQUIREMENTS

Prepared by:

Date: