

# Questionnaire for a quotation to an SCR Plant



F 305 en – 08.06.2018

## Plant information

|    |   |  |   |                   |
|----|---|--|---|-------------------|
| 1  | Name of Plant   |  |   |                   |
| 2  | Location (post and e-mail-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 <sup>2</sup> |
| 10 | Earthquake intensity  |  |   | Richter / Zone    |
| 11 | Power supply  |  | V | Hz                |

## Operating data

|    |                           |                             |  |
|----|---------------------------|-----------------------------|--|
| 12 | Gas volume flow           | m <sup>3</sup> /h (STP dry) |  |
| 13 | or gas volume flow        | m <sup>3</sup> /h (STP wet) |  |
| 14 | or gas volume flow        | m <sup>3</sup> /h (eff.)    |  |
| 15 | Gas temperature           | °C                          |  |
| 16 | Gas dew point temperature | °C                          |  |
| 17 | Dust content              | g/m <sup>3</sup> (STP dry)  |  |
| 18 | or dust content           | g/m <sup>3</sup> (STP wet)  |  |
| 19 | or dust content           | g/m <sup>3</sup> (eff.)     |  |
| 20 | O <sub>2</sub> content    | Vol % (dry)                 |  |
| 21 | Static pressure           | mbar                        |  |

## Design data for SCR installation

|    |   |                             |  |
|----|---|-----------------------------|--|
| 22 | NO <sub>x</sub> inlet (as NO <sub>2</sub> ) at actual O <sub>2</sub> content                | ppm                         |  |
| 23 | or NO <sub>x</sub> inlet (as NO <sub>2</sub> ) at actual O <sub>2</sub> content             | mg/m <sup>3</sup> (STP dry) |  |
| 24 | Requested NO <sub>x</sub> outlet (as NO <sub>2</sub> ) at actual O <sub>2</sub> content     | ppm                         |  |
| 25 | or requested NO <sub>x</sub> outlet (as NO <sub>2</sub> ) at actual O <sub>2</sub> content  | mg/m <sup>3</sup> (STP dry) |  |
| 26 | or requested NO <sub>x</sub> outlet (as NO <sub>2</sub> ) at reference O <sub>2</sub> cont. | mg/m <sup>3</sup> (STP dry) |  |
| 27 | Reference O <sub>2</sub> content  | Vol % dry                   |  |
| 28 | or requested NO <sub>x</sub> removal efficiency   | %                           |  |
| 29 | Allowed NH <sub>3</sub> outlet at actual O <sub>2</sub> content                             | ppm                         |  |
| 30 | or allowed NH <sub>3</sub> outlet at actual O <sub>2</sub> content                          | mg/m <sup>3</sup> (STP dry) |  |
| 31 | or allowed NH <sub>3</sub> outlet at reference O <sub>2</sub> content                       | mg/m <sup>3</sup> (STP dry) |  |

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

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

## Enclosures

|    |                    |  |
|----|--------------------|--|
| 32 | Process flow sheet |  |
| 33 | Layout             |  |
|    |                    |  |

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