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## ***Application Questions for Industrial Applications***

Customer: \_\_\_\_\_

Plant location: \_\_\_\_\_

Customer Contact: \_\_\_\_\_

Phone No. : \_\_\_\_\_

Enquiry No.: \_\_\_\_\_

eMail : \_\_\_\_\_

Application: \_\_\_\_\_

Date: \_\_\_\_\_

Estimated Delivery: \_\_\_\_\_

### **Measuring Application**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

#### **1.0 SAMPLE WATER QUALITY**

1.1 *Sample water temperature:*

min.: \_\_\_\_\_ °C

max.: \_\_\_\_\_ °C

1.2 *Are particulates/solids expected at location of the sample point?*

Yes  No If "Yes" what concentration: \_\_\_\_\_ mg/l

1.3 *Are there amounts of gases present in effluent?*

Yes  No If "Yes", concentration: \_\_\_\_\_ % Type: \_\_\_\_\_

1.4 *Are there chemicals present in effluent?*

Yes  No If "Yes", concentration: \_\_\_\_\_ % Type: \_\_\_\_\_

1.5 *Are algae expected in effluent?*

Yes  No Any other growth: \_\_\_\_\_



1.6 What amount of oil is expected in effluent?

min.: \_\_\_\_\_ ppm(mg/l)

max.: \_\_\_\_\_ ppm(mg/l)

1.7 What Type of oil could be in the sample water?

Viscosity?(If available)

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## 2.0 SAMPLE POINT(S) CONDITIONS

2.1 Number of sample points required: \_\_\_\_\_

2.2 Are sample points to be switchable:

Yes  No

If yes:  Manual  Automatic

2.3 Anti freezing heater for piping:

Existing

Necessary

Not necessary

2.4 Sample is to be taken from:

High level pipe

Low level pipe

Surfaced channel

2.5 If surface, available space for skimmer mounting: \_\_\_\_\_ x \_\_\_\_\_ mm

2.6 If pipe, dimensions of pipework: \_\_\_\_\_ : \_\_\_\_\_ x \_\_\_\_\_ mm (iD x oD)

2.7 Pipe permanently filled:

Yes  No

Min. level: \_\_\_\_\_ cm

Max. level: \_\_\_\_\_ cm

2.8 Pipe flow rate:

Turbulent flow

Laminare flow

m/sec.: \_\_\_\_\_

or

m<sup>3</sup>/h: \_\_\_\_\_

2.9 Normal pressure in pipe:

bar/min.: \_\_\_\_\_

bar/max.: \_\_\_\_\_

2.10 Distance between equipment location and sample points:

1. \_\_\_\_\_ mm 2. \_\_\_\_\_ mm 3. \_\_\_\_\_ mm



## 3.0 Site conditions

### 3.1 Location

- |   |  |  |
|---|--|--|
| <input type="checkbox"/> Outdoors           | <input type="checkbox"/> Sheltered       | <input type="checkbox"/> Fully enclosed room |
| <input type="checkbox"/> Heated Area        | <input type="checkbox"/> Non heated area | <input type="checkbox"/> Hazardous area      |
| <input type="checkbox"/> Non hazardous area | Ambient Temperature:: _____ °C           |  |

### 3.2 Customer preferred installation:

- |  |  |  |
|--|--|--|
| <input type="checkbox"/> Frame work                | <input type="checkbox"/> Steel enclosure | <input type="checkbox"/> Stainless Steel enclosure |
| <input type="checkbox"/> Glas reinforced enclosure | Protection IP: _____                     |  |
| <input type="checkbox"/> Other enclosure           | _____                                    |  |

*Preferred material for pipework:*

\_\_\_\_\_

### 3.3 Equipment installation:

- |   |   |   |
|---|---|---|
| <input type="checkbox"/> Above sample point | <input type="checkbox"/> Below sample point | <input type="checkbox"/> Sample point level |
|---|---|---|

## 4.0 SUPPLIES

### 4.1 Available power supply:

_____ V	_____ Hz	_____ A, 1 Phase
_____ V	_____ Hz	_____ A, 3 Phase

### 4.2 Instrument air supply available?

- |                              |                             |                     |
|------------------------------|-----------------------------|---------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Pressure: _____ bar |
|------------------------------|-----------------------------|---------------------|

### 4.3 Clean water supply available?

- |                              |                             |                     |
|------------------------------|-----------------------------|---------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Pressure: _____ bar |
|------------------------------|-----------------------------|---------------------|

### 4.4 Is there a local drain available?

- |                              |                             |                                 |
|------------------------------|-----------------------------|---------------------------------|
| <input type="checkbox"/> Yes | <input type="checkbox"/> No | Distance to drain line: _____ m |
|------------------------------|-----------------------------|---------------------------------|



**5.0 OUTPUTS**

5.1 *What type of signal outputs are required:*

0-20 mA

4-20 mA

Voltage

5.2 *What control functions are required, i.e. alarms, sirens, valves:*

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**6.0 ADDITIONAL REMARKS AND INFORMATIONS:**

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**7.0 LOCATION SKETCH:**

**Please return to:**

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