



## Gas Turbine Exhaust System Quote Request Form

1. Basic Information

Company Name:

Purchasing Agent:

-Phone:

Engineering Contact:

-Phone:

Address:

City, State, ZIP:

Project Reference Number:

New Installation:

Refurbishment:

Specification Number:

Project Plan Dates:

Design:

Installation:

2. Technical Summary

3. Check boxes that comprise system

Terminal Point Exhaust Bellow

Description:

Lower Stack Section (Elbow)

Description:

Fabric Expansion Joint

Description:

Stack Supporting Structure

Description:

Silencer Housing with Baffles

Description:

Stack

Description:

Insulation

Description:

Manholes

Description:

Emissions Control

Description:

#### 4. Design Conditions

##### Inlet Air Volume

Combustion Air  ACFM \*  SCFM  Mass flow\*

\*Actual volumetric flow rate or mass flow rate for site conditions is preferred

##### Site Conditions

City:  State:  Country:

Compressor Station

Chemical Plant

Cogen Plant

Utility

Offshore Platform

Refinery

Paper Mill

Other (please specify)

Power Gen

Ambient Temperature Range:  to  degrees F.

Relative Humidity Range:  to  %

Elevation:

Code to follow: UBC 2006  UBC 97  ASCE 7-05  Other

Actual Loads:

Seismic: Zone  or  $S_s$  &  $S_1$

Wind Load: P.S.F.  or MPH

Snow Load: P.S.F.

Specific Load Factors:

Design/Pressure Load:

Atmospheric Considerations:

Other Considerations:

Finish Requirements

Surface Preparation:

Coatings:	Interior	Exterior	D.F.T
-Primer	<input type="text"/>	<input type="text"/>	<input type="text"/>
-Intermediate	<input type="text"/>	<input type="text"/>	<input type="text"/>
-Intermediate	<input type="text"/>	<input type="text"/>	<input type="text"/>
-Final	<input type="text"/>	<input type="text"/>	<input type="text"/>

Materials of Construction

-Support Structure	Carbon Steel <input type="checkbox"/>	Grade: <input type="text"/>
	Painted <input type="checkbox"/>	Grade: <input type="text"/>
	Galvanized <input type="checkbox"/>	Grade: <input type="text"/>
-Platforms/Ladder	Carbon Steel <input type="checkbox"/>	Grade: <input type="text"/>
		Other: <input type="text"/>
	Painted <input type="checkbox"/>	Grade: <input type="text"/>
	Galvanized <input type="checkbox"/>	Grade: <input type="text"/>

5. Materials of Main Parts of Gas Exhaust System

Main Parts	Material Type	Notes
Frame (steel structure)	<input type="text"/>	<input type="text"/>
Platforms and ladders	<input type="text"/>	<input type="text"/>
Insulation supports, cladding sheets, pins, nuts, washers	<input type="text"/>	<input type="text"/>
Drainages	<input type="text"/>	<input type="text"/>
Measuring points (for temperature and pressure)	<input type="text"/>	<input type="text"/>

Stack pipe		
Silencer baffles		
Insulation		
Lower stack section (elbow)		
Catalyst		
Diesel Particulate Filter		

6. Coating Specification

All components except parts that are galvanized or made of stainless steel are painted according to the below painting specifications. Surface preparation according to (ISO8501-1:1988SA 2 /SSPC-SP6) or equivalent. SPC6 is equivalent to SA 2. SPC10 is equivalent to SA 2 ½.

- Low Temp

Coating for surface temperature of carbon steel wall lower than 120° C

Coating	Internal Surface of Carbon Steel	Dry Film Thickness	External Surface of Carbon Steel	Dry Film Thickness	Notes
First Coat					
Touch-up					
Second Coat					
Third Coat					
Total System					

- High Temp

Coating for surface temperature of the carbon steel between 120° C and 400° C (Hot spot areas)

Coating	Internal Surface of Carbon Steel	Dry Film Thickness	External Surface of Carbon Steel	Dry Film Thickness	Notes
First Coat					
Touch-up					
Second Coat					
Third Coat					
Total System					


- Paint Identification (Suggestions)

Manufacturer	First Coat	Touch-up	Second Coat	Third Coat

7. Standards and Specifications (Check all that apply)

- Materials according to ASTM and DIN
- Required tolerances according to DIN18800
- Welding according to AWS or ASME or DIN, where the properties of welding material are to be matched to base metal, also welding quality according to (DIN EN 25817) taken in consideration:
  - Class C: All steels, unless stipulated separately
  - Class B: Dissimilar metal welds
- Electrods of welding (C.S/C.S) is (E6013 or E7018), (C.S/St.St) is (E309L), (St.St/St.St.) is (308H)

## 8. Required Documents

A large, empty rectangular box with a thin black border, occupying the central portion of the page. It is intended for the user to provide required documents.