

CORMETECH, INC.

Environmental Technologies

Treyburn Corporate Park 5000 International Dr Durham NC 27712 USA

TEL 919-620-3000

FAX 919-595-8701

REQUEST FOR QUOTATION

General

Requester's Name	
Company Name	
Company Address	
Telephone	
Fax	
e-mail	
Budgetary or Firm Quote	
Need Quote By	
Referred to Cormetech by? (<i>circle one & specify</i>) Person? Conference? Technical Paper? Website?	

Project

Project Name	
Project Location (City, State/Country)	
Expected Delivery or Installation Date	
New or Retrofit	
Unit Type (Gas Turbine, Boiler, etc.)	
Unit Capacity, MW gross	
Capacity Factor	
Method of Operation (Baseload or Cycled)	
Number of Units	
Reactor Housing Dimensions, ft (Preferred)	
APH Type	
Ash Recirculation	No Yes, specify %_____
Ash Disposal/Recycle Method	

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Permit Limits

NOx Removal Efficiency, %	
NOx Outlet	<i>specify units</i>
NH ₃ Slip	<i>specify units</i>

Required SCR Catalyst Performance

NOx Removal Efficiency, %	
NOx Emissions, ppmvd @ ___% O ₂	<i>specify % O₂</i>
NH ₃ Slip, ppmvd @ ___% O ₂	<i>specify % O₂</i>
Pressure Drop Allowance, mm H ₂ O or in H ₂ O	<i>specify units</i>
Guarantee Life, yrs	

Design Conditions, *please specify units where applicable*

Primary Fuel			
Back-Up Fuel		Hrs/Yr	
Gas Flow Direction <i>circle one:</i>	Horizontal	Vertical Up	Vertical Down
Flue Gas Flow Rate (Nm ³ /Hr wet or Lb/Hr)			
Heat Input, MMBtu/Hr			
Flue Gas Temperature (°C or °F)			
Flue Gas Composition:	N ₂ , vol %		
	O ₂ , vol %		
	CO ₂ , vol %		
	H ₂ O, vol %		
	Ar, vol %		
	Other, vol %		
	Total	100%	

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Design Conditions, *please specify units where applicable...continued*

Particulate, mg/Nm ³ dry	
Inlet NO _x , ppmvd @ ___% O ₂ or lb/MMBTU with Firing Rate	<i>specify % O₂</i>
Inlet SO ₂ , ppmvd @ ___% O ₂	<i>specify % O₂</i>
Inlet SO ₃ , ppmvd @ ___% O ₂	<i>specify % O₂</i>

Please submit:

Any Available System/Reactor Drawings

Fuel Analysis including Trace Elements, Ash/Dust Analysis

Fuel Analysis

C, wt %
H, wt %
N, wt %
O, wt %
S, wt %
Ash, wt %

Trace Element Analysis

including:

Cl, ppm
F, ppm
As, ppm
Na, ppm
K, ppm
P, ppm
V, ppm

Ash Analysis

Particle size distribution
SiO₂, wt %
Al₂O₃, wt %
Fe₂O₃, wt %
Total and Free CaO, wt %
MgO, wt %
TiO₂, wt %
MnO, wt %
V₂O₅, wt %
Na₂O, wt %
K₂O, wt %
P₂O₅, wt %
SO₃, wt %
LOI, wt %
As, ppm