QUESTIONNAIRE FOR BURNER QUOTATION

unitherm CEMCON
Feuerungsanlagen GmbH

KILN SPECIFICATION

Please fill in the grey fields

Plant: Please fill in fields on screen	Kiln no.:	Kiln capacity: tpd
Country:	Altitude: m	Ambient temperature.: °C
Kiln diameter.: m	Kiln length: m	Cooler Type:
Heat consumption per kg clinker: kcal/kg cli		Secondary air temperature: °C
Kiln rotation direction from burner platform side: clockwise counterclockwise		
Calciner: YES NO	Calciner type:	

FUEL SPECIFICATION

Coal type:	Volatile: %	Net calorific value: kcal/kg
Conveying air: m³/h, p= mbar	Burner capacity:	kg/h
Fuel oil type:	Net calorific value:	kcal/kg
Viscosity: cst @ °C	Burner capacity:	kg/h
Gas type:	Net calorific value:	kcal/Nm³
Pressure: bar (g)	Burner capacity:	Nm³/h
Solid Secondary Fuel (through the burner)*:	Fuel Type:	
Conveying air: m³/h, p= mbar	Net calorific value:	kcal/kg
Particle size: mm	Burner capacity:	kg/h
Liquid Secondary Fuel (through the burner)*:	Fuel Type:	
Pressure: bar (g)	Net calorific value:	kcal/kg
Viscosity: cst @ °C	Burner capacity:	kg/h

*if more than one solid or liquid secondary fuel will be used, please attach a detailed specification of the fuel properties

KILN BURNER

Please indicate by "X" for required equipment

		Remarks
Refractory Lining with anchor-hooks for Kiln Burner		
Fuel oil gun		
Gas-electric Ignition		
Telescopic Coal Pipe		
UV-Flame scanner		

Required length inside the kiln/kilnhead	m	(from nozzle to first flange)
Max. length outside kiln:	m	
Existing burner type:		
Existing burner weight:	kg	

KILN BURNER TROLLEY

Please indicate by "X" for required equipment

		required	existing	Remarks
Trolley type:	- suspended design			
	- floor mounted design			
Burner adjustment:	- mechanical			
	- hydraulical			
Complete Burner Trolley Delivery				
Drawings for local manufacturing				
Modification of existing trolley:				

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OTHER KILN BURNER EQUIPMENT

Please indicate by "X" for required equipment

		Remarks
Primary Air Fan		
Emercency Cooling Air Fan		
Control Cabinet for Kiln Burner		
Spare Burner Outer Pipe		
Existing primary air blower: Static Pressure:	mbar	Volume: m³/h

CALCINER BURNERS

Please indicate by "X" for required equipment

Percentage fuel fired in kiln: % Percentage fuel fired in calciner: %

			Remarks
Number of Calciner Burners:		pcs.	
Fuels (for each burner):	Gas:	Nm³/h	
	Oil:	kg/h	
	Coal:	kg/h	
	Others:	kg/h	
Calciner burner with trolley			
Calciner burner flanged			
Refractory Lining with anchor-hooks for Calciner Burner			
Cooling Air Fan			
Control Cabinet			

FUEL SUPPLY EQUIPMENT

Please indicate by "X" for required equipment

	Remarks
Oil Operating Valve Train for Kiln Burner	
Gas Valve Train for Kiln Burner	
Oil Operating Valve Train for Calciner Burners	
Gas Valve Train for Calciner Burners	
Gas Pressure Reducing Station	
High Pressure Oil Pump Station	
Heavy Fuel Oil H.P. Preheater Station	
- by steam	
- electrical	
- by thermal oil	
Low Pressure Transfere Pump Station	
Heavy Fuel Oil Suction Heater for storage tank	
- by steam	
- electrical	
- by thermal oil	
Fuel oil truck unloading station	
Complete thermal oil heating system	

Person in charge:		Fax-No.:	
e-mail:		Phone-No.:	
Date:			

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