



HEAT & POWER CUSTOMER/PROJECT ASSESSMENT FORM

Date (DD/MM/YY) _____

Office Location, (CITY/COUNTRY) _____

CUSTOMER DATA

Product Inquiry	
Industry Sector	
Customer Name	
Address	
Telephone	Fax
Email	
PIC #	
Production	

EUROASIATIC DATA

Reference No.
Sales PIC #

NOTES

Existing Single Line Diagram
Current Load Profile

CURRENT DESCRIPTION OF PLANT OPERATION: OPERATION TIME

Per Day	Per Week	Per Month	Per Year
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SITE CONDITIONS

Geographical Location (Address)	OTHER SITE REQUIREMENTS
Elevation Above Sea Level	Noise
Ambient Air Temp: Average Max. Min.	Special Permits
Ambient Humidity: Average Max. Min.	High Humidity
Potential Gas Supply	Airborne Dirt, Particulates, Chemicals
Availability of Water	Other Special Considerations
	Etc.

PLANNING SET UP OF FUTURE POWER PLANTS

APPLICATION	SET UP
Prime Power	Island Mode
Stand By Power	Parallel with Public Grid
Peak Shaving	Parallel with Genset
Replacement Extension	Parallel with Other Source

NOTES

CONTINUE NEXT PAGE

PT. EUROASIATIC JAYA

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CURRENT POWER CONSUMPTION & SET UP

Power Requirement	kW actual consumption		Single Line Diagram	available							
Factory	Volt		Load Profile	available							
Frequency	Hz		Average Grid Failures	per month							
Power Factor/Cos Phi	PF		kWh Consumption Per Month	kWh average							
Short Circuit Bus Rating	kA		Power Bill Per Month	average							
Grounding System											
TRAFO 1		TRAFO 2		TRAFO 3							
Primary	kW	Secondary	kW	Primary	kW	Secondary	kW	Primary	kW	Secondary	kW
kVA Capacity		kVA Capacity		kVA Capacity		kVA Capacity		kVA Capacity		kVA Capacity	
Actual Load of Trafo		Actual Load of Trafo		Actual Load of Trafo		Actual Load of Trafo		Actual Load of Trafo		Actual Load of Trafo	
Power Factor		Power Factor		Power Factor		Power Factor		Power Factor		Power Factor	
% Reactance		% Reactance		% Reactance		% Reactance		% Reactance		% Reactance	

NOTES

CURRENT DIESEL ENGINE CONSUMPTION & SET UP

Fuel Type	Plant Year of Installation							
Fuel Consumption	average itr/month	Cooling System						
Total Output	average kWh/month	Set Up/Application						
Specific Fuel Consumption	average itr/kWh	SLD of Installation						
Lube Oil Consumption	itr/kWh							
ENGINE 1		ENGINE 2	ENGINE 3					
Brand		Brand	Brand					
Model		Model	Model					
YOB		YOB	YOB					
Capacity	kW	kVA	Capacity	kW	kVA	Capacity	kW	kVA
Actual Load	kW	power factor	Actual Load	kW	power factor	Actual Load	kW	power factor
Operation Time	hours/year		Operation Time	hours/year		Operation Time	hours/year	

NOTES

CONTINUE NEXT PAGE

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STEAM REQUIREMENTS & CURRENT STEAM SOURCES

Steam Requirement	t/h	Steam Pressure	bar g	Type of Boiler	
Temperature			°C	Application	
Raw Water Source				Fuel Type	
Feed Water Quality				Fuel Consumption Per Unit	units/t
Feed Water Temperature to Boiler			°C	Fuel Consumption Per Month	units/month
Condensate Return	%	Condensate Temperature	°C	Total Output Per Month	t/month
BOILER 1		BOILER 2		BOILER 3	
Brand	Model	Brand	Model	Brand	Model
Burner Type	Model	Burner Type	Model	Burner Type	Model
YOB		YOB		YOB	
Capacity	tr/h	Capacity	tr/h	Capacity	tr/h
	bar g		bar g		bar g
Actual Load	t/h	Actual Load	t/h	Actual Load	t/h
	bar g		bar g		bar g
Operation Time	hours/year	Operation Time	hours/year	Operation Time	hours/year

NOTES

THERMAL OIL REQUIREMENTS & CURRENT OIL HEATERS

Capacity to Factory	kcal	Fuel Type	units/kcal		
Temperature at Consumer	°C	Fuel Consumption Per Unit	units/t		
Delta T		Fuel Consumption Per Month	units/month		
Application	kcal	Total Output Per Month	t/month		
HEATER 1		HEATER 2		HEATER 3	
Brand	Model	Brand	Model	Brand	Model
Burner Type	Model	Burner Type	Model	Burner Type	Model
YOB		YOB		YOB	
Capacity	kcal	Capacity	kcal	Capacity	kcal
Temperature In	Temperature Out	Temperature In	Temperature Out	Temperature In	Temperature Out
Flow	cbm/h	Flow	cbm/h	Flow	cbm/h
Actual Load	%	Actual Load	%	Actual Load	%
Operation Time	hours/year	Operation Time	hours/year	Operation Time	hours/year

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CONTINUE NEXT PAGE

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HOT AIR REQUIREMENTS & CURRENT HOT AIR SOURCES

Hot Air Requirement		kg/h	m ³ /h	Fuel Type	
Temperature	°C	Ambient Temperature	°C	Fuel Consumption Per Unit	
Recycle Air	%	Recycle Air Temperature	°C	Fuel Consumption Per Month	
Type of Dryer			Total Output Per Month		
Application					
HEATER 1		HEATER 2		HEATER 3	
Brand	Model	Brand	Model	Brand	Model
Burner Type	Model	Burner Type	Model	Burner Type	Model
YOB		YOB		YOB	
Capacity		Capacity		Capacity	
Temp. Required	Temp. Ambient Air	Temp. Required	Temp. Ambient Air	Temp. Required	Temp. Ambient Air
Flow		Flow		Flow	
Actual Load		Actual Load		Actual Load	
Operation Time		Operation Time		Operation Time	

NOTES

CHILLER REQUIREMENTS & CURRENT CHILLER SOURCES

Chiller Requirement For		units	Total Output Per Month	
Energy Source		Energy Per RT		RT/month
Energy Per Month		kW/month	Application For Chill Water	
CHILLER 1		CHILLER 2		CHILLER 3
Brand		Brand		Brand
Capacity		Capacity		Capacity
YOB		YOB		YOB
Chill Water		Chill Water		Chill Water
Temp. Before	Temp. After	Temp. Before	Temp. After	Temp. Before
Cooling Water		Cooling Water		Cooling Water
Temp. Before	Temp. After	Temp. Before	Temp. After	Temp. Before
Energy Consumption		Energy Consumption		Energy Consumption
Actual Load		Actual Load		Actual Load
Operation Time		Operation Time		Operation Time

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CONTINUE NEXT PAGE

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CONSUMABLE COSTS

PLN

Non-Peak Tarif	Rp/kWh
Peak Tarif	Rp/kWh
Bea Beban	Rp/kVA
PPUJ	%
PPN	%

LFO

Rp/ltr	Rp/ltr
Transport Charge	Rp/ltr
LHV	kcal
GHV	kcal
Tax	%

NG

US\$/mmbtu	US\$/mmbtu
cbm/mmbtu	
Rp/m ³	Rp/m ³
LHV	kcal
GHV	kcal
Tax	%

HFO

Rp/ltr	Rp/ltr
Transport Charge	Rp/ltr
LHV	kcal
GHV	kcal
Tax	%

CNG

US\$/mmbtu	US\$/mmbtu
cbm/mmbtu	
LHV	kcal
GHV	kcal
Tax	%

WATER

Fresh Water	Rp/m ³
Waste Water	Rp/m ³

LUBE OIL

Cost Per Drum 210 ltr

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