COMPREHENIVE ENERGY AUDIT
PRELIMINARY DATA QUESTIONNAIRE

Plant Information

	Plant	H.O
Name & Address of Company Phone No. Email Fax Contact Person Name Designation & Phone		
Type of Industry Product/Products Capacity		

Source of Energy

Source	Year 2014-15		Year 2015-16		Major Consumption Points
	Qty	RS	Qty	RS	
Electricity					
FO/LSHS					
Coal/LPG					
HSD					
Others					
Production					

Electricity

Contract Demand kVA :
Demand Charges Rs/kVA :
Unit Charges RS kWh :

a. Transformers

No. of transformers & type	Capacity	Location	Incoming Voltage	Supply Voltage	OLTC Details

b. Capacitors

Avg. Plant Power Factor :
Total Capacitance provided kVAr :
Location of Capacitors :

c. Motors

Size	kW Range	Nos.				Operating
		SC	Slipring	Synchronous	D.C	h/y
Large						
Medium						
Small						

j. Air Compressors

Installed capacity :
Capacity utilisation :
Major users :

Compressor Type & Make	FAD capacity m^3/h	Motor rating kW	Comp. Air pressure kg/cm^2g	Approx. energy consumption per year

d. Gas / Oil fired Furnaces / driers

Furnace particulars	**Fuel used**	**Capacity**	**Application areas**	**Energy consumption per year**

e. Electrical heating / melting Furnaces / Driers

Furnace particulars	Rated kW	Capacity	Application areas	Energy consumption per year

f. Thermic Fluid Heaters

Type & Make	Capacity, kCal/h	Fuel	Application	Annual Fuel consumption	Remarks, if any

g. Thermic Fluid Application Areas

Equipment	Type of control	Temp °C	Operating hours/year	Remarks, if any

h. Boilers & Hot water Generators

Type & Make (Pressure)	Capacity, TPH or (kCal/h)	Fuel	Application	Annual Fuel consumption	Remarks, if any

i. Steam/ Hot water Application Areas

Equipment	Type of control	Temp °C	Operating hours/year	Remarks, if any

j. Refrigeration and Air-conditioning

Air Conditioning System : Centralised/Decentralised

Unit capacity TR	Compressor Type / VAU	Make & Model	Application & desired condition	Energy consumption per year

k. Pumps, Fans & Blowers

Type & Nos.	RATED			Type of control*	Application
	Flow m^3/h	Pres.	Motor kW		
Pumps					
Fans & Blowers					

l. Cooling towers

Type	Cooling load kcal/h	Design range ^oC	Approach ^oC	PUMP			FAN	
				Motor kW	Flow m^3/h	Head m	Motor kW	Air flow m^3/h

m. Lighting

Lamp/ Luminaire type	Lamp Watt X Nos.	Type of work	Method of switching	Operating load kW	Power consumption kWh/y

n. Captive Power Generation

Type* & Nos.	Capacity	Fuel used	% Loading	Units generated/y	SEGR**

* DG Set/Gas turbine/Waste heat boilers/ etc.

** Specific Energy Generating Ratio

o. Please enclose brief description about the process

Note: Please Download the Questionnaire Fill it and send us back at permaweld@permaweld.com
We will get back to you soon.