Guidelines for Electrical Energy Register in Facilities

* Information about the facility

Facility Name:
Activity:
Product description (if any):
Administration address:
Factory address (if any):
phone:
Fax:
e-mail:
Establishment date:
Energy Manager Name:
Other Occupation in the facility:
The number of employees in the facility:
Work system (number of shifts...etc): – -
working hours:
Brief description of the company's activity
Contractual Capacity: KW
Network Voltage: KV
Drawing of the electrical network feeding the network
(attach drawing)

The measurement cell contains:

- Electric Energy Meters
- Current Meter (Amperes)
- Voltage Meter (kV)

The measurements required for the total loads should be recorded.

Tables

Table (1) Electrical loads measurements

(Assuming the facility has 2 distribution transformers)

Day	Transformer (1) (Amp)				Transformer (2) (Amp)			
	R	S	T	N	R	S	T	N
1st								
2nd								
. .								
31st								

Table (2) office equipment

Equipment type	Power (Watt)	Number	Operating hours (duration hrs per day)

Table (3) lighting systems

Type of Lighting unit	Power (Watt)	Number	Operating hours (duration hrs per day)

Table (4) Machines

Nameplate of the machine	Power (hp or Watt)	Number(for same capacity and same type)	Operating hours (duration hrs per day)

Table (5) The amount of electrical energy consumed per month (Assuming the facility contains 2 feed sources)

Month	Feed Source (1)		Feed Source (2)		Lighting Meter kWh
	Active Power Meter Number ……..	Re-Active Power Meter Number …….	Active Power Meter Number ……..	Re-Active Power Meter Number …….	
	Active Power kWh	Re-Active Power KVARh	Active Power kWh	Re-Active Power KVARh	

Table (6) The amount of electricity that has been saved per

Month	Meter Number ……		Meter Number ……		Notes
	Consumption kWh	Saved Power kWh	Consumption kWh	Saved Power kWh	

Table (7) List of the categories of devices, equipment, and lighting Units used according to the Energy Efficiency Label

Equipment type	A+	A	B	C	D	E

Table (8) List of the sources of electricity during the year....)

Type of Energy Source	Total Annual Energy (KWh)	Percentage of the Total Facility Demand (%)
Electricity (from the public grid)		
Solar energy		
wind energy		
Other		