

# Preliminary information for Energy Auditing

## 1. General Information

1. Name of the Company and address :
2. Contact Person Name Designation Phone/Fax/e-mail :
3. Year of Establishment :
4. Products manufactured and its annual Capacity :
5. Energy type used in plant (Tick) :
 

<b><u>Power</u></b>	
Grid Power	- <input type="checkbox"/>
Captive Power	- <input type="checkbox"/>
 <b><u>Fuel</u></b>	
LSHS / Furnace Oil	- <input type="checkbox"/>
LDO / HSD	- <input type="checkbox"/>
LPG / N.Gas	- <input type="checkbox"/>
Coal / Wood	- <input type="checkbox"/>
Others	- <input type="checkbox"/>
6. Annual Energy Bill : Total Power Bill: ..... Rs. Lacs  
Total Fuel Bill: ..... Rs. Lacs
7. No of working shift per day :
8. No. of employees :
9. Whether energy audit was conducted already:
10. Certification obtained if any:

## 2. Plant Electrical Data

- |     |  |      |                   |          |
|-----|--|------|-------------------|----------|
|     |  | Type | : LT / HT Service |          |
| 1.  | Contracted Maximum Demand with Grid          | :    |                   | KVA      |
| 2.  | Max MD reached during last 12 months         | :    |                   | KVA      |
| 3.  | Average Power Factor of the system           | :    |                   |          |
| 4.  | Avg Monthly power consumption                | :    |                   | Lacs Kwh |
| 5.  | <u>Grid Electrical Tariff Rate</u>           |      |                   |          |
|     | i. MD Charge                                 | :    | Rs.               | /KVA     |
|     | ii. Energy Charge                            | :    | Rs.               | /KWH     |
| 6.  | <u>Connected loads</u>                       |      |                   |          |
|     | i. Motor drives                              | :    |                   | KW       |
|     | ii. Lighting Load                            | :    |                   | KW       |
|     | iii. Electrical Heaters/Ovens                | :    |                   | KW       |
|     | iv. Electrical Melting Furnaces              | :    |                   | KVA      |
|     | Total Connected Load                         | :    |                   | KW       |
| 7.  | % Non-linear load                            | :    |                   |          |
| 8.  | <u>Motors capacity range</u>                 |      |                   |          |
|     | i. < 5 hp                                    | :    |                   | Nos      |
|     | ii. 5 to 20 hp                               | :    |                   | Nos      |
|     | iii. 21 to 50 hp                             | :    |                   | Nos      |
|     | iv 51 to 100 hp                              | :    |                   | Nos      |
|     | v. > 100 hP                                  | :    |                   | Nos      |
| 9.  | Total Capacitors installed,kVAr              | :    |                   |          |
| 10. | Any penalty paid in the last one year(PF/MD) | :    |                   |          |

### 3. List of Plant Utilities & Equipments

S.No	Utilities	Nos	Total Capacity
1	Transformers , KVA		
2	DG Sets , KVA		
3	Air Compressors , CFM or M3/hr		
4	Refrigeration Chillers , TR		
5	Pumps , M3/hr		
6	Fans & Blowers , M3/hr		
7	Cooling Towers , TR		
8	Fuel fired Furnaces/ Heaters/Driers In Million K.Cal/Hr		
9	Electric Heaters/Furnaces, KW		
10	Boilers , Ton per hour		
11	Thermic Fluid Heaters , In Million K.Cal/Hr		
12	Water Treatment Plant , M3/Day		
13	Effluent Treatment Plant, M3/Day		
14	Major Production / process Equipments ▪ ▪ ▪ ▪ ▪		

## 4. Annual Energy consumption & Specific Energy Consumption

Type of Energy	Units	Approximate Consumption /Month
<b>Electrical Energy</b>		
Purchased Power	KWH	
Generated Power	KWH	
<b>Thermal Energy</b>		
Furnace Oil	K.L	
L.S.H.S	M.T	
H.S.D	K.L	
L.P.G/ N.Gas	M.T./ M <sup>3</sup>	
Coal / Lignite	M.T	
Others		
<b>Water</b>	M <sup>3</sup>	
Annual Energy consumption of all types In terms of <b>Oil equivalent</b>	KL	

- If data is not available , please indicate approximate value or not available .