**THIS QUESTIONNAIRE SERVES AS A SELF-DESCRIPTION OF YOUR COMPANY. THANK YOU FOR TAKING THE TIME OF COMPLETING IT – THIS INFORMATION WILL ALLOW TUV INDIA PVT LTD TO FURNISH YOU AN INFORMED QUOTATION FOR THE EVALUATION OF YOUR ORGANISATION FOR ENERGY CONSERVATION.**

#### GENERAL DETAILS

|  |  |  |
| --- | --- | --- |
| **S.NO** | **PARTICULARS** | **DETAILS** |
| 1 | Name & Address of Company |  |
| 2 | Name of Contact Officer |  |
| Designation |  |
| Name of Alternative Officer |  |
| Designation |  |
| 3 | Telephone No. |  |
| Fax No. |  |
| 4 | No. of Shifts |  |
| Hours/Shift |  |
| 5 | No. of Employees (Aprox) |  |
| 6 | Production (units) |  |
| Daily |  |
| Monthly |  |
| Annual |  |
| 7 | Type of Fuel Used | Gas Oil Coal Others |
| Annual Fuel Consumption (KL) |  |
| 8 | Electricity Consumption (kW) |  |
| DG Set |  |
| 9 | Specific Energy Consumption |  |
| Fuel (Lit/Ton of Production) |  |
| Electricity (Unit/Ton of Production) |  |

#### ELECTRICAL DETAILS

1. **TRANSFORMERS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **No. 1** | **No. 2** | **No. 3** | **No. 4** |
| Rating |  |  |  |  |
| Voltage Ratio |  |  |  |  |
| KVA |  |  |  |  |
| % Impendence |  |  |  |  |

1. **CONSUMPTION**

|  |  |  |
| --- | --- | --- |
|  | **Particulars** | **Demand** |
| A | Contract demand KVA |  |
| B | Maximum demand |  |
| C | Total Energy units consumed / day |  |
| D | Avg. Power Factor (P.F.) |  |
| E | Avg. Energy bills (Rs/month) |  |
| F | KVA LoadPeak KVA Duration | Morning Noon Night |

1. **LIST OF ELECTRIC MOTORS OPERATING IN THE PLANT**

|  |  |  |  |
| --- | --- | --- | --- |
| **S.NO.** | **NAME OF THE PLANT** | **KW** | **NO. OF MOTORS** |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| 4 |  |  |  |
| 5 |  |  |  |

1. **DETAILS OF CAPACITORS FOR P.F. IMPROVEMENT**

|  |  |  |
| --- | --- | --- |
| **S.NO.** | **NAME OF THE PLANT** | **KVAR** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |
| 5 |  |  |
| 6 |  |  |

1. **CONNECTED LOAD**

|  |  |  |
| --- | --- | --- |
|  | **EQUIPMENT** | **LOAD IN KW** |
| A | Motors <10 HP >10 HP | Nos.Nos. |
| B | Compressors Details  | Rated CFM |
| Compressor – 1 |  |
| Compressor – 2 |  |
| Compressor – 3 |  |
| C | **AC & Ventilation with TR capacity** |  **TR CAP** |
| Air Conditioner Plant |  |
| A.H.U.  |  |
| Others  |  |
| D | Process |  |
| E | Lights |  |
|  | **Total Load** |  |

#### **III. THERMAL DETAILS**

1. **HSD/ LDO /RFO/LSHS - FIRED UNIT DETAILS**
2. **BOILER**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Equipment** | **Make** | **Model** | **Capacity****TPH** | **Flue Gas Temp.****(oC)** | **% Efficiency (if being monitored)** |
| Boiler No. 1 |  |  |  |  |  |
| Boiler No. 2 |  |  |  |  |  |
| Boiler No. 3 |  |  |  |  |  |
| Boiler No. 4 |  |  |  |  |  |

1. **THERMOPAC**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Equipment Type** | **Make/ Model** | **Operating Temp. (oC)** | **Capacity****‘000 Kcal/ Hr.** | **Flue Gas Temp.****(oC)** | **% Efficiency (if being monitored)** |
| **In** | **Out** |
| Thermopac-1 |  |  |  |  |  |  |
| Thermopac-2 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Thermopac-3 |  |  |  |  |  |  |

1. **FURNACE/OVEN**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Equipment No.** | **Type of Furnace/ Oven** | **Product** | **Design Capacity of Furnace/ hr.** | **Actual Production/hr.** | **Flue Gas Temp** | **Consumption of Fuel Oil (Lit./Ton)** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. **DIESEL GENERATING SET**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Make** | **Model** |  | **Rating****KVA** | **Stand by or Continuous operation** | **Actual Average Loading** | **Avg. kWhUnits /Lit. of Oil** |
| 1 |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |

1. **DETAILS OF STEAM**
2. **STEAM CONSUMPTION DETAILS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.No.** | **Name of Equipment** | **MT/hr** | **Pressure kg/cm2  / psi** | **Temp. oC** |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |

 **B. CONDENSATE RECOVERY**

 i) Whether condensate recovery is being done : Yes / No

 ii) Approximate quantity of condensate recovery done :

 **C. STEAM TRAPS**

1. Approximate No. of steam traps being used :
2. Type of steam Traps :

**NOTE: PLEASE ATTACH ADDITIONAL SHEETS IF REQUIRED.**

XXXXXXXX

**TO BE RETURNED DULY FILLED IN**

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