Date:

**Name of the Company:**

**Type of Company:**

**Address:**

**Contact Person:**

**Phone No:**

**Email ID:**

**Year of Establishment/Year of Commencement of Production:**

**Type of Company:** Spinning/Weaving/Knitting/Processing/Garment manufacturing (RMG / Made-ups) / any other

**Data may be provided for the year 2023- 24**

**While providing information, wherever required, you can attach separate sheet(s)**

**Financials:**

* Annual turnover of the company for last 3 years

**DATA MAY BE TAKEN FOR THE YEAR 2023-24**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Particulars** | **Spinning** | **Weaving** | **Knitting** | **Processing** | **Garments/**  **Made-ups** |
| Installed capacity (Spindles/ Rotors) |  |  |  |  |  |
| Product-mix |  |  |  |  |  |
| Production capacity (per day) |  |  |  |  |  |
| 3 shift working (Yes/ No) |  |  |  |  |  |
| Avg. no. of days worked during 2023-24 |  |  |  |  |  |

**ELECTRIC ENERGY CONSUMPTION (2023-24)**

| **S.**  **No.** | **Type of Energy used** | **kWh/kCal** | **Share %age** |
| --- | --- | --- | --- |
| **Conventional Energy** | | | |
|  | State Electricity Board |  |  |
|  | Own generation (Generator) |  |  |
|  | Fossil Fuel |  |  |
|  |  |  |  |
|  |  |  |  |
| **Renewable Energy** | | | |
|  | Solar Energy |  |  |
|  | Wind Energy |  |  |
|  | Hydropower Energy |  |  |
|  | Geothermal Energy |  |  |
|  | Biofuel Energy |  |  |
|  | Any other renewable energy |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
| **Total** | |  | 100 |

**GENERAL INFORMATION**

1. What motivates you to consider renewable energy? (e.g., cost savings, environmental impact, government incentives/ subsidies, fulfilling Net Zero initiative, any other ….)
2. Are there any concerns you have about integrating renewable energy? (e.g., cost, reliability, scalability, any other ….)
3. What renewable energy resources are available in your area? (e.g., high solar irradiance, strong winds, any other…..)
4. Are there any existing renewable energy systems in your locality/ surrounding areas? If yes, what are they?
5. How can local or national governments support (Incentive/ Subsidies) renewable energy adoption in your area?
6. What are the technologies adopted for reducing the consumption of electricity/ steam/ fuel/ any other……..?
7. Do you use thermal energy? If yes, how do you conserve the same?
8. What steps have been taken to reduce Energy consumption? Please describe?
9. What are your peak energy usage hours? (e.g.,6:00 A.M- 02:00P.M)
10. Do your company evaluate carbon footprints of the unit on day today basis? If yes, please give the amount of carbon footprints generated per month?
11. Up to what extent (%) your company has been able to compensate carbon footprints generation by way of use of renewable energy.
12. Do your company has any policy on Carbon Emissions Reduction/ Carbon Foot Print (CFP)? if yes, please enclose copy.
13. Do your company meet the requirements as per EPA (Environmental Protection Act)?
14. How much energy has been saved in the previous year?
15. Are there any challenges with Environmental Impact, if yes, what are they (e.g., fuels contribute to greenhouse gas emissions, air pollution, climate change, any other impact ….).
16. Explain in brief how company is continually making efforts to reduce negative impact on environment.
17. How important is sustainability in your energy choices?

(Scale of 1-5, with 1 being not important and 5 being very important)

1…..2…..3…..4…..5…..

1. Are there any challenges with Health Risks, if yes, what are they (e.g., fuel combustion effect to respiratory and cardiovascular diseases in nearby populations)
2. Are there any challenges with Renewable energy Intermittency and Reliability, if yes, what are they (e.g., weather conditions, leading to fluctuations in power generation by solar, wind, any other ….)
3. Are there any challenges with High Initial Costs for renewable energy?
4. Are there any challenges with Energy Storage Limitations, if yes, what are they? (e.g., Battery cost).
5. Are there any challenges with Grid infrastructure, if yes, what are they (e.g., solar energy to grid connection issue and net metering)
6. Are there any challenges with Land availability and Resource Use while expanding renewable energy integration, if yes, what are they?
7. Is it challenge for spaces to install renewable energy systems (e.g., rooftops for solar panels)?
8. Are there any challenges with Public Acceptance, if yes, what are they (e.g., Opposition to specific projects (e.g., wind turbines due to noise or visual impact)
9. Are there any challenges with your current energy supply, if yes, what are they? (e.g., reliability, cost, environmental concerns, Geographical scenario, any other ….)
10. What infrastructure improvements have you done before adopting renewable energy?
11. Would you prefer a grid-tied system, an off-grid system, or a hybrid system?
12. What approx. budget have you spent for renewable energy integration?
13. Would you consider community-based renewable energy projects? (e.g., solar cooperatives)
14. What is your plan to expand the use of renewable energy thereby reducing dependance on non-renewable energy. Provide details for each type of renewable energy to be expanded.
15. Do your company use eco-friendly transportation like use of battery driven material handling equipment, use of bicycle by employees etc. to reduce Carbon emission from fossil fuel.
16. Have abundant plantation of trees in your factory premises and housing colonies to improve green cover as well as facilitating carbon removal? If yes, please enclose few snaps as well.
17. Brief benefits, if any, provided to community around the plant.
18. Do your company have set targets for net zero achievement?
19. Is your “Net Zero Initiative” certified/recognized by any Agency? If so, kindly mention the same?