**Enquiry Form for Waste to Energy / RDF Plants**

1. **Company Details**

|  |  |
| --- | --- |
| Name of the Company |  |
| Product |  |
| Office Address |  |
| Factory Address |  |

1. **Contact Persons**

|  |  |  |
| --- | --- | --- |
|  | **Technical** | **Commercial** |
| Name of the Person |  |  |
| Designation |  |  |
| Mobile No |  |  |
| Phone Nos |  |  |
| Address |  |  |

1. **Design Basis**

|  |  |  |
| --- | --- | --- |
|  | Desired Operating Hours |  |
|  | Wastes to be processed | 1.  2.  3. |
|  | Applicable Emission Norms |  |
|  | Required Design Standard |  |

1. **Properties of Waste**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Name of Waste:** | |  |  |  |
|  | Quantity to be handled | Kg/day |  |  |  |
|  | Net Calorific Value | Kcal/Kg |  |  |  |
|  | Bulk Density | Kg/m3 |  |  |  |
|  | True Density | Kg/m3 |  |  |  |
|  | Whether Samples could be provided for trials | | Yes / No | Yes / No | Yes / No |
|  | Elemental Analysis | | | | |
| C | %W/W |  |  |  |
| H | %W/W |  |  |  |
| O | %W/W |  |  |  |
| N | %W/W |  |  |  |
| S | %W/W |  |  |  |
| Cl | %W/W |  |  |  |
| F | %W/W |  |  |  |
| Ash | %W/W |  |  |  |
| Moisture | %W/W |  |  |  |
| Heavy Metals | %W/W |  |  |  |

1. **Supplemental Fuel**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Supplemental Fuel Available  (Select the one available and strike others) | | * Coal * Biomass * Natural Gas * HSD * LDO * LPG |
|  | Cost of Supplemental Fuel | Rs/Kg |  |
|  | Calorific Value of Supplemental Fuel | Kcal/kg |  |

1. **Heat Recovery Unit (HRU)**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Desired Utilization of Waste Heat  (Select the one desired and strike others) | | * Hot Water * Process Steam * Thermal Oil * Power Generation |
|  | **For Hot Water Application** | | |
| Quantity required at end application | Kg/hr |  |
| Inlet Temperature required at end application | Deg C |  |
| Outlet Temperature from end application | Deg C |  |
|  | **For Process Steam Application** | | |
| Quantity required at end application | Kg/hr |  |
| Temperature required at end application | Deg C |  |
| Pressure required at end application | Deg C |  |
|  | **For Thermal Oil Application** | | |
| Quantity required at end application | Kg/hr |  |
| Inlet Temperature required at end application | Deg C |  |
| Outlet Temperature from end application | Deg C |  |
|  | **For Power Generation Application** | | |
| Type of Condenser  (Select the one desired and strike others) |  | * Water Cooled * Air Cooled |
| Design Ambient Air Temperature | Deg C |  |
| Air Wet Bulb Temperature | Deg C |  |
| Required Voltage | V |  |
| Required Frequency | Hz |  |

1. **Utilities Available**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Cooling Water Available |  | Yes / No |
|  | Quantity of Cooling Water Available | m3/hr |  |
|  | Cooling water temperature at outlet of Cooling tower | Deg C |  |
|  | Cooling water temperature at Inlet of Cooling tower | Deg C |  |
|  | Cost of Electricity | Rs/KWh |  |
|  | Quantity of Raw Water available | m3/hr |  |
|  | Analysis of the available raw water |  |  |
|  | Quantity of Soft Water Available | m3/hr |  |
|  | Cost of Water | Rs/m3 |  |

Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Signature:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_