**System Designing and Cost Project Questionnaire Sheet  
For any type of Waste to Energy solutions, especially Municipal Waste to Energy Projects**

**Important Note:**

**Please answer all questions in as much as accurate and practical manner that you answer, unless this sheet is presented, it will be difficult to come with a viable proposal for what you are seeking.**

**Basic Information pertaining to Location and people Interested/involved / to be involved in the project:**

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| **1.** | **Project Proposer who is interacting with us** | **Name, Address, phone number and e mail address: [Do not forget to mention Cell Phone # also]** |
| **2** | **Who is going to be the project Promoter with financing resources and backing involved in the project. (Do you have LOI from this party)** | **Name, Address, phone number and e mail address:**  **[Do not forget to mention Cell Phone # also]** |
| **2A.** | **Financial solidness of the Project Promoter?**  **Any idea that you can present for net worth and readiness to be in the project with 5% or lower equity stake and to take care of the project on long term basis and earn simultaneously in the project?** |  |
| **2B.** | **It would be essential for us to read the Business Activity Profile of the Project promoter, state brief details and attach separate 1 page information on them.** |  |
| **3.** | **What is the location / Municipal Town / City / part of the Town / City to be considered:** |  |
| **3A** | **State Wikipedia Link here for that town** e.g. for MILAN <http://en.wikipedia.org/wiki/Milan> |  |
| **4.** | **List of Key 3 Persons you know with their designations and your closeness to them on a scale of 1 to 10 in brackets ( 1 being lowest)** | 1. **( )** 2. **( )** 3. **( )** |
| **5.** | **What is the Municipals Boards receptiveness to the project possibility when you discussed?** |  |
| **6.** | **What is the State Electricity Board Tarrif rate for buying per Kwh of Electricity if produced and supplied** |  |
| **7.** | **For the power that will supplied to the Elec. Board, if it is owned by Govt / Corporation, will there be a Power Purchased Agreement backed by Govt. Guarantee for any default in payments of monthly bills. STATE DETAILS.** |  |

**Note: Questions herein may please answered in as much details you can answer, but before that keep in touch with your interest, you may send the info on this first page sent to us for our understanding and keeping you in queue since the response level is very high from all over, hence this detailed questionnaire is being sent to send back earliest response to your interest.**

1. What Is the problem that you are trying to solve see in the proposed project you want to send ?  
Answer below each of the point whatever you wish to state in details

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| Landfill capacity / life cycle / availability of other landfills |
| Environmental Regulations |
| Safety and Health Issues |
| Economics |
| Governmental and legislative mandates |
| Other liabilities, opportunities and considerations |
| Does one homogeneous waste stream significantly impact the problem? |

1. What Are Your Project Objectives?

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| Co-generation |
| Waste volume reduction |
| Product stream opportunity |
| Through put / capacity |
| Monomer extraction |

3. What Are The Present Solid Waste Disposal Methods?

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| Recycling? If so how you do that? |
| Composting |
| Landfilling? If so , how far it is from the middle of city? In miles / kms and how much area is that?  Since how many years this landfilling is being done ? |
| Waste to Energy Transformation being done in any form ? |
| What is the degree of source separation that is in place or can be put in place?  [For this we need quite some area of land , will the municipal body etc give land to the project on lease or on low years payments for next 25 years? |
| What is the degree of infrastructure to support each disposal method? |
| What is the projected intent for future solid waste disposal methods? |
| What are current economic and social benefits and liabilities attributed to each disposal method? |

4. What Are Your Waste Sources?

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| Residential - single/multiple family, apartment, condominium |
| Commercial - retail trade, office complex |
| Institutional - medical facilities, schools, prisons |
| Industrial - manufacturing, chemical processing |
| Is solid waste managed by the same or differing strategies among each waste source? (see Management Issues #2) |

5. What Is You Solid Waste Collection System?

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| MRF (Material Recycling Facility) - separates waste streams for disposal methods |
| Landfills |
| Rubbish Sites (informal dumps) |
| Transfer Stations - satellite collection facility |
| Commercial Industrial/Special Waste Landfills |
| Land Application Facilities - fill material, concrete, dirt, rock |
| Solid Waste Processing/Composting Facilities |
| Illegal/Unauthorized Dump sites |
| Hazardous Waste TSD (Treatment Storage and Disposal) |
| Medical Waste Disposal Facility |
| Waste to Energy Facility |
| Where the sites located and what are the current volumes? |

6. Do You Have A Waste Profile?

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| What are the waste streams? , give us nearest accurate information that you know . |  |
| Volumes (tons per seven days) |  |
| Calorific values, If any analysis have been done? I If so BTU values known? If so state here: |  |
| Moisture Content? |  |
| What is the degree of accuracy of the profile? - Truck scales, generator data, estimate criteria? | |
| What are the seasonal volume considerations? | |
| Who initiated and performed the profile and what is it's scope and purpose? | |
| Is there conflicting data and what is the impact? | |
| Which waste streams from each source are absent or require further definition? | |
| Is there knowledge of pending processes or technologies which will create unique waste problems or significantly impact existing waste streams volumes? (See MSW Stream Profile excel attachment) | |

7. If this was to be considered an ongoing project at present, answer the question presuming present:  
 How Is The Feedstock Acquired?

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| **IT IS PRETTY IMPORTANT TO KNOW THESE QUESTION, FROM PROJECT FINANCING POINT OF VIEW?** | |
| Who controls the waste streams? Government (federal, municipal), private, mix | |
| Who collects and manages the waste streams? | |
| Who owns and controls the collection / disposal sites? | |
| What are the contractual arrangements? Identity, fee basis - tipping fee, per ton, etc. | |
| What is the competition for the feedstock? Do you also see any political or gang rivalry in the issue, from future perspective, that if garbage collection contract is included in this project , will be conflicts politically at municipal level or any higher level and if so how do you resolve as the project integrator, state details, for better understanding, as in some case the project have stopped, even after allocation, especially in developing and underdeveloped countries, where Municipal or town site gang / political control freakiness is persistent. | |
| What is the transportation infrastructure at the plant location relative to feedstock acquisition sites and product customers? | |
| What are the current and future volume projections and intervention activity, if Municipal body, considering the influx of people, coming in as new residents in the city / town, as per last 5 years of pattern? | |
| To what degree will the feedstock need to prepared for processing?  i.e . What is the extent of inorganic materials in feed stocks that you would suspect, to be presently in | |
| Approximate percentage as per your view: | State % or any other measure you have in mind |
| a) Plastic s of all nature? |  |
| b) Iron Waste of all nature, small? |  |
| c) Iron and other metal waste of medium and large size? |  |
| d) Any animal dead body waste suspected? |  |
| **If you do not have any idea for above, please, for sure, have some one find out out at site on rough basis also** | |

8. Have You Considered The Project Economics?

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| Is there a sustainable feedstock to retire the capital expense?  ( for e.g. A 72 tpd tire system requires 2.25 million PTE (passenger tire equivalent per year) |
| How will the tipping fee be negotiated and maintained? |
| How will the project be funded? |
| What are the government/community economic and tax benefit, labor subsidies, etc.? |
| What are the product markets and mode of product distribution? [Refer back to the question of % of different type of garbage you may have figured out in Question in red. |

9. Do You Think You Have Project Management Issues in this project, answer these question for more clarity of some aspects that you also may not have answered to yourself:

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| What is the assessment and definition of state specific environmental and permitting requirements and impacts? |
| How will communication with the public/media/agency be administered? |
| Is there a cooperation and common goal among stakeholders regarding solid waste management? i.e. power generation, job creation, volume reduction, profitability / sustainability |
| What is the degree of competition among the stakeholders? |
| Are there opportunities for project development with synergistic technologies or other partnerships? |
| What is the degree of political and community support? |
| Is zoning, environmental assessment, services, utilities, etc. compatible with the project? |

ANY OTHER SUGGESTION / POINTS THAT YOU WANT TO INCLUDE HERE ( Please use blue fonts)

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| a) |
| b) |
| c) |