

*To develop the Energy and Mass balance as well as the Financial Model it is required that the prospective purchaser provides the required parameters for both the Thermo-Chemical Gasification and the Liquefaction Units. The accuracy of the prediction a



General Information Table

PRELIMINARY STAGE

SAMPLE EU

Basic Technical and Financial Data Inputs to be used in modeling (INPUT DATA SHEET - FOR EACH PROJECTS, SEPARATELY)

V14

PLEASE FILL ALL
"GRAYS" IN!

Project Name (Place & Final Product):	TCG-UC W2GE PROJECT					PLEASE FILL ALL "GRAYS" IN!
G1. Name of town and Region / Country	0					
G1. Name of Landfill site	0					
G1. Name of Input (feed) Material:	MSW					
G2. Project representative (contact) person	0					
Name of the prospective owner of the TCG plant	0					
Date of filling this form in / Name of person who filled it in:	Date:	Name: Mr/Ms./Mrs.			Signature	
"Central" coordinate of LANDFILL site	N/S, E/W	" (degree)	' (minute)	" (second)		Daily Quantity of MSW
G3.A	X					ton/day
G4.A	Y					
G5.A	Z	-	-		m	
"Central" coordinate of PLANT site	N/S, E/W	" (degree)	' (minute)	" (second)		
G3.B	X					
G4.B	Y					
G5.B	Z	-	-		m	
SAMPLE X	N	46	42	26,50000		
SAMPLE Y	E	24	42	14,13000		
SAMPLE Z	-	-	-	605,00	m	

The G3., G4., G5 (A and B) must be filled in for each LANDFILL site and for each TCG-UC Plant Site!!

Daily Quantity and Tonnage price of Each Feedstocks "as received"

REPRESENTATIVE SAMPLING: (https://m-w.dk/product/ss-b-representative-sampling-systembulk/?gclid=CjwKCAjwstfkBRBoEwADTmnEOZ9hV94EX96fL9mtBdKWgD72YRS-VlnuTudnw8Um9-wQPAYXGo4dhoCuDcQAVD_BwE)

Write the Names of Feed Materials in please!	Coal	Refuse Derived Fuel (RDF)	Used Tire	Petroleum Coke (PetCoke)	NAME OF Other Feed Material No. V.	Municipal Solid Waste	From the point of view of the Project Firm !!
Daily Quantity (ston/day, STPD) (Estimated) as received							
Price (USD/ton) (negativ is turnover, positive is cost)							

Other Parameters

END PRODUCT parameters related to GTE (Gas To Electricity) Unit (from point of view of TCG Project company)

E1-E3

Name and Value of Basic Data	Price	Unit	Brief Explanation	(Including subsidization)
Selling price of Electricity		\$/kWh =	TCG SELLS the electricity TO the grid.	E1.
Cost of Electricity		\$/kWh =	TCG BUYS the electricity FROM the grid.	E2.
Selling price of Heat		\$/kWh =	TCG SELLS the HEAT ENERGY TO the Govern. or the heating system	E3.

Other END PRODUCT parameters related to GTL (Gas To Liquid) Unit (from point of view of TCG Project company)

2.2. B1-B5

Name of End Product(s)	Ethanol & Methanol	Diesel	Petrol	JET A1	Gasoline	(Including subsidization)
Selling price of End Product (USD/liter)						TCG SELLS the End Product the Governmental company or Organization
OR (USD/m ³)						TCG SELLS the End Product the Governmental company or Organization

Salary per hour, other costs of Labour, length of shift in case of continuous running of TCG

Engineering salary at TCG unit		US\$/hour	OR Engineers	0,00	EUR /month
Workers salary at TCG unit		US\$/hour	OR Workers	0,00	EUR/month
S3. Apurtenance %					
Working hours per shift	8	hour			

C/ Basic parameters of Feed materials to be used	Coal	Refuse Derived Fuel (RDF)	Used Tire	Petroleum Coke (PetCoke)	NAME OF Other Feed Material No. V.	Municipal Solid Waste	Version 1. Please FILL these tables in!
Price of Feed material (USD/ton)	\$0,00	\$0,00	\$0,00	\$0,00	\$0,00	\$0,00	
PROXIMATE ANALYSIS (% in weight)	Visit: https://www.sgs.com/en/mining/analytical-services/coal-and-coke/proximate-and-ultimate-analysis						
Moisture content (%)							It is an official declaration that the data and information provided about the feedstock material in this form is correct and represents the feedstock material to accurately to our best knowledge
Ash content (%)							
Volatle Matter (%)							
Carbon content in the Volatiles (%)							
Fixed Carbon Content(FC) (%)							
Sulfur (%)							
Heating Value-as received (kJ/kg)							Mr. X Y Corp name
Free carbon content on dry basis FC (%)							
ULTIMATE ANALYSIS (% in weight)	Visit: https://www.sgs.com/en/mining/analytical-services/coal-and-coke/proximate-and-ultimate-analysis						
Carbon							
Hydrogen							
Sulphur							
Nitrogen							Dr. Y X Head of the Committee of Experts
Oxygen							
Ash(%)							
H ₂ O Total (%)							
LHV (MJ/kg)							* The modeling is based on these Basic Data provided by the Purchaser

Chemical Specification of Elements in Syngas	C	O	H	N	CH ₄	CO	CO ₂	S
Molar Mass [kg/mol]	12,0110	15,9994	1,0079	14,0067	16,0428	28,0104	44,0098	32,0660

Version 2. Please Fill this table in!	SAMPLE	Sum %	D	B	A	A	C	X
	1. Bio-waste		Thermal Treatment %	Construction %	Domestic %	Commercial %	Compost/ Garden %	Industrial %
	2. Paper							
	3. Plastic							
	4. Magnetizable metals							
	5. Non-magnetizable metals							
	6. Glass							
	7. Non-combustible							
	8. Combustible							
	9. Textiles							
	10. Composite							
	11. Cardboard							
	12. Hygienic							
	13. Hazardous							
Total	0,00%	It is an official declaration that the data and information provided about the feedstock material in this form is correct and represents the feedstock material to accurately to our best knowledge						
		Mr. X Y, Corp. Name						
		Mr. Y X Head of Committee of Experts						
		* The modeling is based on these Basic Data provided by the Purchaser						