

Republic of the Philippines
DEPARTMENT OF ENERGY
Merritt Road, Ft. Bonifacio, Taguig , Metro Manila
QUARTERLY ENERGY CONSUMPTION REPORT
Quarter, 201_____

Company:		Tel. No.:			
Address :					
Plant Location:					
Manufacturing or Business Activity:					
A. TOTAL ENERGY CONSUMPTION					
Energy Source	Unit	Quantity	Conversion Factor	Liters of Oil Equivalent (LOE)	
1. Gasoline	L		0.847		
2. Diesel	L		0.924		
3. Fuel Oil	L		1.000		
4. Kerosene	L		0.873		
5. LPG	L		0.648		
6. AVGAS	L		0.842		
7. AVTURBO	L		0.873		
8. Waste Oil	L		1.000		
9. Coal	MT		[NOTE 1]		
10. Bagasse	MT		[NOTE 1]		
11. Net Purchased Steam	MT		[NOTE 2]		
12. Net Purchased Electricity	KWH		0.261		
13. Others					
TOTAL ENERGY CONSUMPTION (LOE)					
Please state changes in the process or any problems encountered in your operations that may have affected your energy consumption for this quarter. Use separate sheet.					
B. ENERGY CONSUMPTION IN TRANSPORTATION					
Fuel Type	Unit	Activity			
		Hauling	Others (Specify)		
1. Gasoline	L				
2. Diesel	L				
3. LPG.	L				
4. Others (Specify)					
C. ELECTRICITY GENERATION					
Generating Units	Cap KW	Fuel Type	Cons. Qty (L)	Hrs of Opr'n	Electricity Generated (KWH)
1.					
2.					
3.					
4.					
Total					

Notes:

1. MT to LOE: $MT \text{ fuel} \times 0.024 \times GHV = \text{gross heating value of Fuel, kJ/kg}$ (This is applicable for all solid fuels).
2. Steam quantity should be expressed in terms of equivalent evaporation from and to 100 degrees C at 1 atm.
 - MT steam (100 deg C, 1 atm) = Actual MT steam $\times 0.000443 \times H$ (H = different between heat contents of steam and boiler feed water, kJ/kg)
 - MT steam (100 deg C, 1 atm) to LOE: (MT steam at 100 deg C, 1 atm) $\times 5398.1/E$ (E = boiler efficiency, %)

Boiler Units*	Cap,kg/hr	Fuel Type	Cons Qty (L)	Hours of Operation	%Efficiency	Steam Generation (MT)
1.						
2.						
3.						
Total						

Is the plant generating electricity and steam? Yes [] No []
 If yes: A. Recovered steam used in production (MT) _____
 B. Recovered steam used in other process (MT) _____

E. ELECTRICITY AND STEAM UTILIZATION

	Electricity. KWH	Steam, MT
1. Production		
2. Auxiliary Services		
3. Losses		
Total		

F. WASTE OIL UTILIZATION

	Unit	Quantity		Unit	Quantity
1. Lube Oil Consumption	L		4. Waste Oil recycled	L	
2. Waste Oil Collected	L		Specify use:		
3. Waste Oil Sold	L				

G. ENERGY CONSUMPTION IN PRODUCTION

1.0 Energy Consumption

Energy Consumption Per Product Line/ Activity

Energy Resource	Unit					
1. Gasoline	L					
2. Diesel	L					
3. Fuel Oil	L					
4. Kerosene	L					
5. LPG	L					
6. AVGAS	L					
7. AVTURBO	L					
8. Waste Oil	L					
9. Coal	MT					
10. Bagasse	MT					
11. Steam	MT					
12. Electricity	KWH					
13. Others						

2.0 Production Volume

Production Volume Per Product Line/Activity

Unit					
Quantity					
Hours of Operation					
Hours Shutdown					
Rated Capacity					
Rated Stream Hours					
PSIC Code					

Prepared by:

Approved by:

Signature Over Printed Name

Signature Over Printed Name

Position

Position

Date

Date

NOTES:

➔ Please refer to the General Instruction When Accomplishing this form.

Schedule of Submission: 1st Quarter - April 30
 2nd Quarter - July 31

3rd Quarter - October 31
 4th Quarter - Jan. 31 of the following year