

Energy Balance - 2018

Thousand of Barrels of Oil Equivalent (KBOE)

Flow	Source			Petroleum Products								Renewables							Electricity	Total		
	Coal	Natural Gas	Crude Oil	Gasoline	Diesel Oil	Turbo, Aviation, Jet Fuel Kerosene	Fuel Oil	LPG	Feed stock	Other Non-Energy Products	Total Petroleum products	Fuelwood	Charcoal	Hydro	Wind	Bagasse	Solar (PV)	Biogas			Geo-thermal	Total R.E.
1.0 Primary Energy Requirement																						
1.1 Local production			7,454.7								-	570.5	191.0	110.9	187.1	265.0	28.0	-	-	1,352.5	326.0	1,352.5
1.2 Imports	533.5	587.0		3,173.7	2,363.6	1,172.8	6,444.7	664.3	-	22.6	13,841.7											21,829.9
1.3 Re-exports and bunkering				-	(288.3)	(1,665.7)	(1,568.9)	-	-	(6.7)	(3,529.6)											(3,529.6)
1.4 International Bunkering											-											
1.5 Stock change / Statistical error	(94.8)			(0.5)	19.8	34.7	102.2	(9.9)		21.7	168.0											73.3
Total Primary Energy Supply	438.8	587.0	7,454.7	3,173.3	2,095.2	(458.2)	4,978.0	654.4	-	37.5	10,480.2	570.5	191.0	110.9	187.1	265.0	28.0	-	-	1,352.5	326.0	19,726.1
2.0 Transformation Sector																						
2.1 Electric Generation																						
2.11 Public Utility (JPS)		(587.0)			(247.6)		(2,617.4)				(2,865.1)											1,475.5
2.12 IPP's					(0.9)		(1,481.0)				(1,482.0)											925.1
2.14 Other Self Generation											-											(556.9)
2.2 Oil Refinery			(7,312.5)	909.7	761.4	542.9	4,860.5	82.5	-	155.5	7,312.5											(142.1)
2.3 Conversion Losses			(142.1)								-											(11.6)
2.4 Power plant's own use											-											(11.6)
2.5 T&D Losses - JPS											-											(708.8)
2.6 Non-Energy Use											-											(708.8)
Net Available for Final Consumption	438.8	-	-	4,083.0	2,608.0	84.8	5,740.0	736.9	-	193.1	13,445.7	570.5	191.0	-	-	265.0	-	-	-	1,026.5	2,006.3	16,917.2
3.0 Final Consumption by Sector																						
3.1 Transport Sector																						
3.1.1 Road & Rail				3,990.5	2,047.4		135.5			192.0	6,365.3											6,365.3
3.1.2 Shipping					116.9		96.9				213.9											213.9
3.1.3 Aviation						26.2					26.2											26.2
3.2 Manufacturing Sector																						
3.2.1 Cement Production	438.8				6.2		56.5				62.7											361.1
3.2.2 Bauxite/Alumina Processing				3.3	142.1		5,247.3			0.3	5,393.0											300.9
3.2.3 Sugar Manufacturing				0.6	11.7		34.7			0.1	47.1				265.0					265.0	240.8	552.8
3.2.4 Other Manufacturing				35.6	164.5		43.4	19.1		0.1	262.6	28.5	9.6								38.1	493.9
3.3 Residential				7.0	22.1	58.5		93.0			180.6	171.2	57.3								228.5	1,075.1
3.4 Other				46.0	97.0		125.8	624.8		0.7	894.3	370.8	124.2								495.0	1,633.4
Total Final Consumption	438.8	-	-	4,083.0	2,608.0	84.8	5,740.0	736.9	-	193.1	13,445.7	570.5	191.0	-	-	265.0	-	-	-	1,026.5	2,006.3	16,917.2

Note:

The figures for fuelwood and charcoal were estimated as data were unavailable.

Prepared by Energy Economics and Planning Unit, Ministry of Science, Energy and Technology, 2019