

COMPARISON CHART OF COST OF STEAM IN VARIOUS COUNTRIES

PHILIPPINES Conversion Rate : US\$1.00=Php 45.00 as of Aug 01, 2008

COST OF STEAM PER TON								
KIND OF FUEL	HEAT VALUE	UNIT	PRICE	PRICE	COST	CONSUMPTION	COST OF STEAM	SAVINGS %
	KCAL		(PESO)	US \$	PER/KCAL	PER TON/HR	PESO/ton STEAM	vs COAL
DIESEL FUEL	9,063	LITER	56	1.2444	0.00618	77.88 Liter	4,361.28	86.99
BUNKER C OIL	9,200	LITER	37	0.8222	0.00402	76.72 Liter	2,838.64	80.02
COAL 0-50 MM	5,600	KG	4.5	0.1000	0.00080	126.05 Kg	567.23	

Bunker price: Zamboanga is Php40, Davao is 40, Gensan is 39

THAILAND Conversion Rate : US\$1.00=Baht 33.00 as of Aug 01, 2008

COST OF STEAM PER TON								
KIND OF FUEL	HEAT VALUE	UNIT	PRICE	PRICE	COST	CONSUMPTION	COST OF STEAM	SAVINGS %
	KCAL		(BAHT)	US \$	PER/KCAL	PER TON/HR	BAHT/ton STEAM	vs COAL
DIESEL FUEL	9,063	LITER	35	1.0606	0.00386	77.88 Liter	2,726	87.05
BUNKER C OIL	9,200	LITER	18	0.5455	0.00196	76.72 Liter	1,381	74.44
COAL 0-50 MM	5,600	KG	2.8	0.0848	0.00050	126.05 Kg	353	

INDONESIA Conversion Rate : US\$1.00=Rp 9000 as of Aug 01, 2008

COST OF STEAM PER TON								
KIND OF FUEL	HEAT VALUE	UNIT	PRICE	PRICE	COST	CONSUMPTION	COST OF STEAM	SAVINGS %
	KCAL		(RP)	US \$	RP/KCAL	PER TON/HR	RP./ton STEAM	vs COAL
<i>INDUSTRIAL Diesel</i>	9,063	LITER	10700	1.1889	1.1806	77.88 Liter	833,316	89.71
<i>Medium Furnace Oil</i>	9,200	LITER	7600	0.8444	0.8261	76.72 Liter	583,072	85.30
COAL 0-50 MM	6,200	KG	1100	0.1222	0.1774	113.85 Kg	125,235	31.56
COAL 0-50 MM	5,600	KG	680	0.0756	0.1214	126.05 Kg	85,714	

Price: ex-Cirebon Coal Terminal

MALAYSIA Conversion Rate : US\$1.00=Rm 3.20 as of Aug 01, 2008

COST OF STEAM PER TON								
KIND OF FUEL	HEAT VALUE	UNIT	PRICE	PRICE	COST (Rm)	CONSUMPTION	COST OF STEAM	SAVINGS %
	KCAL		(RM)	US \$	Per Kcal	PER TON/HR	Rm./TON STEAM	vs COAL
Light Fuel Oil	9,063	LITER	2.8	0.87500	0.00031	77.88 Liter	218.06	83.81
MFO (180 grade)	9,200	LITER	2.45	0.76563	0.00027	76.72 Liter	187.96	81.22
Natural GAS	9,000	M3	0.84	0.26250	0.00009	75 m3	63.00	43.98
INDO-COAL 0-50MM	5,600	KG	0.28	0.08750	0.00005	126.05 Kg	35.29	

Price ex-terminal Batu Pahat- Rm. 0.25/kg, For Northern areas - Rm. 0.30/kg, ex-terminal Lumut

VIETNAM Conversion Rate : US\$1.00=Dong 15600 as of Aug 01, 2008

COST OF STEAM PER TON								
KIND OF FUEL	HEAT VALUE	UNIT	PRICE	PRICE	COST	CONSUMPTION	COST OF STEAM	SAVINGS %
	KCAL		(DONG)	US \$	Per Kcal	PER TON/HR	DONG/ton STEAM	vs COAL
DIESEL FUEL	9,063	LITER	17,000	1.08974	1.87576	77.88 Liter	1,323,960	84.06
BUNKER C OIL	9,200	LITER	13,500	0.86538	1.46739	76.72 Liter	1,035,720	79.62
VIETNAM COAL 5A	6,000	KG	1,800	0.11538	0.30000	117.25 kg	211,050	
INDONESIAN COAL	5,600	KG	1,700	0.10897	0.30357	125.63kg	213,571	

Price: ex-terminal at Ho Chi Minh City

TAIWAN R.O.C Conversion Rate : US\$1.00=NT\$30.00 as of Aug.. 01, 2008

COST OF STEAM PER TON								
KIND OF FUEL	HEAT VALUE	UNIT	PRICE	5% Tax	Total	CONSUMPTION	COST OF STEAM	SAVINGS %
	KCAL		(NT\$)	(NT\$)	(NT\$)	PER TON/HR	(NT\$)/ton STEAM	vs COAL
<i>DIESEL FUEL</i>	9,063	LITER	30.00	1.50	31.50	77.89 Liter	2,336.70	79.50
<i>BUNKER C OIL</i>	9,200	LITER	19.00	0.95	19.95	76.72 Liter	1,457.68	67.14
COAL 5600 KCAL	5,600	KG	3.80	0.19	3.99	126.05 Kg	478.99	