

ANNEX -II

Conversion Factors

1 kilogram	=	2.2046 pounds
1 Pound	=	454 gm.
1 Metric ton	=	1 Tonne
	=	1000 kilogram
1 joule	=	0.23884 calories
1 mega joule	=	10^6 joules = 238.84×10^3 calories
1 giga joule	=	10^9 joules = 238.84×10^6 calories
1 tera joule	=	10^{12} joules = 238.84×10^9 calories
1 peta joule	=	10^{15} joules = 238.84×10^{12} calories
One million tonnes of coal in		
	1970 - 81 =	20.93 peta joules of energy.
	1982 - 83 =	19.98 peta joules of energy.
	1984 - 89 =	19.62 peta joules of energy.
	1990 - 96 =	17.81 peta joules of energy.
	1997 - 99 =	17.08 peta joules of energy.
	1999 - 00 =	16.93 peta joules of energy.
	2000 - 01 =	16.88 peta joules of energy.
	2001 - 02 =	16.87 peta joules of energy.
	2002 - 03 =	16.68 peta joules of energy.
	2003 - 04 =	16.69 peta joules of energy.
	2004 - 05 =	16.60 peta joules of energy.
	2005 - 06 =	16.03 peta joules of energy.
	2006 - 07 =	16.14 peta joules of energy
One million tonnes of oil equivalent	=	41.87 peta joules of energy.
	=	4.1868×10^4 terajoule (TJ)
One billion cubic metre of natural gas	=	38.52 peta joules of energy.
One million cubic metre of natural gas	=	38.52 tera joules of energy.
	=	.03852 peta joules of energy.
One billion kilowatt hour of electricity	=	3.60 peta joules of energy.