ANNEX -II

Conversion Factors

1 kilogram	=	2.2046 pounds
1 Pound	=	454 gm.
1 Cubic metres		35.3 cubic feet (gas)
1 Metric ton	=	1 Tonne
	=	1000 kilogram
1 joule	=	0.23884 calories
1 mega joule	=	10^6 joules = 238.84 x 10^3 calories
1 giga joule	=	10^9 joules = 238.84 x 10^6 calories
1 tera joule	=	10^{12} joules = 238.84 x 10^9 calories
1 peta joule	=	10^{15} joules = 238.84 x 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
2007 - 08	=	15.91 peta joules of energy
2008 - 09	=	15.70 peta joules of energy
One million tonnes of oil equivalent (MTOE)	=	41.87 peta joules of energy.
	=	4.1868 x 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.**