BRIEF ON TECHNICAL TALK ON RENEWABLE ENERGY – THE ENERGY OF THE CENTURY ON 26.9.2015

Shri Jai Uppal, Senior Consultant, Renewable Alternate Energy, delivered a "Mainstream talk on Renewable Energy the Energy of this Century" at our Chapter's premises on 26th September 2015.

He highlighted the Indian and global scenario in the area of Renewable Energy.



He stated that per capita electricity consumption in India is very low as can be seen from the table below:

Per Capita Electricity Consumption				
	Power Consumption			
Country	(kWh/PC)			
China	3,298			
Germany	7,081			
India	1050			
Japan	7,847			
Sweden	14,030			
United States	13,246			
World Average	3064			

In his presentation he covered the details of Global Energy Sources like coal, oil and gas. The following table will give these details:

Global Primary Energy Sources (MTOe)						
	2013	2030	CAGR (%)			
Coal	3973	3448	-0.8			
Oil	4235	4313	0.1			
Gas	2880	3547	1.2			
Nuclear	646	1044	2.9			
Hydro	320	482	2.4			
Bioenergy	1366	1827	1.7			
Other RE	159	708	9.2			
Total	13579	15370	0.7			

Regarding the pattern of Energy Sectoral consumption, it was indicated that industry, transport and building/construction occupy the major consumption sources.

In his presentation, Shri Jai Uppal discussed about the impact of GHG global warming and Indian CO2 emissions.



The Indian Energy consumption pattern was covered in the Talk. The table below gives the details of the same:

Indian Energy Consumption							
Type of Energy Consumption	Units	(1950)	(2014) (Domestic +Imports)	R/P			
Coal & Lignite	Mill T	32.3	620 +150	100			
Crude Oil	Mill T	0.27/3.4	38+190	20			
IC Power (Hydro+N+RE)	GW	2.3 (0.6)	285 (40+4.8+37)	NA			
Power Generation	BU	6.6	1049	NA			

The Indian Energy Consumption pattern was covered. The price trend of Solar Power also reviewed. The pattern of wind and hydro power were also touched upon.

Apart from above issues the presentation also touched upon the basis of the following issues:



- a) Role of Renewable Energy
- b) RE Sectoral Growth Rates
- c) Total installed RE capacity

- d) Solar power in India
- e) Bio Energy & Bio Power

After conclusion of the Talk, there was a lively interaction between the audience and the speaker on the various issues relating to renewable energy.



The Talk was attended by about 30 persons.

The presentation ended with lunch.

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