

Energy '14

27th December 2014, Chennai

FICCI TNSC had conducted its annual energy conference “Energy ‘14” with a theme “*Creating*



an Energy Driven Economy”

on 27th December 2014 at Hotel Vivanta by Taj Connemara in Chennai. The event saw participation of about 130 core energy sector related delegates and was much appreciated by the participants.

Mr. Nandakumar, Convener, Energy Panel FICCI TNSC and Sr. Vice President, EDAC

Engineering Ltd said that energy contributes also to the economy, 2013 FICCI Transmission report where it indicates that if the energy is not available then it pulls down the GDP by .4 %. We lose 68 billion out of 1.7 trillion dollar of our economy due to energy lack. Studies between energy and economic growth have proved the direct impact. Energy provides a push for the growing economy and is also the driver of the Indian economy. How to ramp up the capacities keeping emissions under control, How to bring innovations in this sector and the third is the funding part or the techno economic focus which is the theme of the event as well.

The total installed capacity in our country is close to 254000 MW as on October 2014 out of which coal oil and gas constitute about 67 % and the renewable constitute 12.5 % by the year 2022 it is estimated that it would go upto 960000 MW. The share of the renewable will be 29% by then. This is ramping up the energy sector in the future. We have relied still on fossil fuels at present. 45% of industries are energy intensive in the economy, 576 MT equivalents is being consumed by the Indian economy and 45% is consumed by the industries. There needs to be a focus on Coal as the core energy source apart from electricity being provided to area which does not have connectivity yet in India. A recent study indicates that by adopting innovative technologies we can reach out to 80-100 million people by 2025 who do not have access to power.

Mr K Viswanathan, Head – Engineering , PC Boilers, Isgec Heavy Engineering Ltd. Gave an overview of the energy sector. He said that the current energy scenario in India constitute of coal which occupies 60 %. Followed by Hydro which accounts for 16.2% and Renewable Energy Sources for 12.5% and Gas for 9%, Nuclear for 1.8% and Diesel for 1.2 %. Fossil Fuel such as coal and renewable sources are the two areas that we need to focus upon for energy. India is the

4th nation in the world where we contribute highest to wind energy and Tamil Nadu leads among all the states in India. The other energy sources are being researched upon. Wind is the most potential 2008 -2009 the deficit was growing but now has reduced due to the stumbling of the GDP growth. There are problems with Grid connectivity even though they are connected in recent times and close to 3000MW of demand remains in the southern grid due to the infrastructure lack. The renewable sources are limited which leaves us to focus on other sources of power. There needs to be more technology that needs to be used in the country and the state. The issues now are how to make the best use of available sources including coal.



Mr. R S Alagappan, Director Projects, Tamil Nadu Generation And Distribution Corporation Limited (TANGEDCO) said that Tamil Nadu has an installed capacity of 12,484 MW and an additional 1900 MW projects are to be commissioned shortly. The central government has sanctioned a 4000 MW mega power project at Cheyyur of which 16000 MW would belong to TNEB. He mentioned that though Tamil Nadu faced a deficit of 10% it has

significantly improved in the recent past and said in the last 3 years 2792 MW has been added to the grid to mitigate the power demands in the state.

Mr. P. Muari IAS (Retd), Advisor to FICCI President indicated that we need to focus on maximum production and minimal energy use. He said that it was necessary to highlight energy conservation. Energy conservation will lead to the proper end use of energy. The transmission and distribution losses are as high at 47% which needs to be harnessed. In Tamil Nadu the demand is high which needs to be met through efficient systems.

The event covered the following topics

- Techno Economic Focus in Energy Sector
- Innovation for Self Reliance in Energy
- Techno Economic Focus in Energy Sector

The event had eminent speakers

Mr Debasish Nanda, Chief Manager, Gas Marketing, Indian Oil Corporation Limited
Mr B R Ravichandran, Vice President, ISGEC Heavy Engineering
Mr Tripathy, Senior Consultant at Athena Infonomics
Mr Ayappan Ramamurthy, MD, Absortherm Pvt Ltd
Mr Vikram Garg, HCL Infotech Ltd
Mr Nagaraja Prakasam, Angel Investor, Mentor, Fund Advisor,
Dr M Srinivasan, Formerly Associate Director, Physics Group, Bhabha Atomic Research Centre
Thiru S Nagalsamy, Member, TNERC
Mr M Ramesh, Deputy Editor, Business Line
Prof Easwar Krishna Iyer, Director, Great Lakes Institute of Management
Mr Eka Pillai, MD, Green Brook Engineering
Mr B Sriram, Partner – Ernst & Young LLP

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Photo I : (L-R)

Mr Ruban Hobday, Head, FICCI TNSC , **Mr P Murari IAS** (Retd), Advisor to FICCI President, & Former Secretary to President of India ,**Mr R S Alagappan**, Director Projects, Tamil Nadu Generation And Distribution Corporation Limited (TANGEDCO), Mr M Nandakumar, Convener, Energy Panel FICCI , TNSC, **Mr K Viswanathan**, Head – Engineering , PC Boilers, Isgec Heavy Engineering Ltd.

Photo II Mr. Murari welcoming Mr. Mr R S Alagappan, Director Projects, Tamil Nadu Generation And Distribution Corporation, Limited (TANGEDCO)