



Energy Swaraj Foundation  
Energy by Locals for Locals



***A Talk on***  
**ENERGY CHANGE, ENERGY**  
**SWARAJ & I**  
**16<sup>th</sup> June 2022**

By  
**“SOLAR MAN”**  
**Prof. Chetan Singh Solanki**



In Tagore Hall at 10.30 am

Organized by  
Department of Physics  
Govt. V.Y.T. PG Autonomous College  
Durg

In association with  
Hemchand Yadav University Durg  
Institute of Renewable energy  
Technology & Management, Pt. RSU  
Raipur

Chhattisgarh State Renewable Energy  
Development Agency (CREDA)  
Raipur

**Climate Change, Energy Swaraj &  
Prof. Chetan Singh Solanki:**

Energy is Everything and Everything is Energy. Gandhiji's statement that “Earth has enough for everybody's need but not for anybody's greed” is as fundamental as the fact Sun rising from the East. However, in contradiction, the world economies are increasingly trying to produce more and consume more. This contradiction is fueled mainly by fossil energy 80-85%, leading to another contradiction wherein increasing energy consumption is required to maintain economic growth, while rampant use of fossil energy is causing climate change. Climate change is threatening not only sustainable life but the sustainability of life on the planet. We have only 7-9 years left before we reach global warming of 1.5°C (IPCC report). Therefore “drastic” and

“immediate” actions are required to mitigate climate change.

The solution lies in adopting Energy Swaraj or generating and consuming energy locally. Adopting Energy Swaraj will also help in skill development, livelihood creation, energy independence, local economy strengthening, and of course, climate change mitigation. To create a public movement and establish Energy Swaraj across, an 11 years long Energy Swaraj Yatra (2020-30 through a solar bus is undertaken by Prof. Chetan S. Solanki, IIT Bombay. Prof. Solanki lives in bus and has pledged not to go home for 11 years.

**ABOUT ENERGY SWARAJ YATRA**  
On one side, energy is the driver of our social and economic growth, while on the other side excessive use of fossil energy has caused climate change, which is

becoming catastrophic and an threat to human existence. Since each one of us is a user of energy and hence contributor to climate change, each one of us must be part of the climate corrective actions.

Adopting to Energy Swaraj or energy by locals for locals can be the solution to climate change, job creation, energy security and improving local economy. In order to establish Energy Swaraj, Prof. Chetan S. Solanki has undertaken 11 years long Energy Swaraj Yatra (2020- 30 through a solar bus to bring awareness and encourage actions towards climate change mitigation and adoption of 100% solar energy by masses. Prof. Solanki lives in the bus and he has pledged to not go home until 2030.

Dr. Chetan Singh Solanki, a professor from IIT Bombay, brand ambassador of Solar Energy for Govt. of MP, and Founder of the Energy Swaraj Foundation, live & travel in the solar bus is his mobile home. The bus has the facilities to go through all daily activities. Energy Swaraj Yatra bus will be demonstrated after the talk. The bus is fitted with 3.2 kW solar panels and 6 kWh of battery storage. It has a 3 kVA inverter. Lights, cooler, cookstove, TV, AC, laptop charging inside the bus are all solar-powered. The engine of the bus runs on diesel.



### **CHIEF PATRON**

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