

A decorative graphic on the left side of the slide, consisting of white and light blue lines that resemble a circuit board or a stylized tree. The lines are vertical and horizontal, with small circles at the ends, creating a complex, branching pattern.

INDIA-ELECTRICITY

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CONTENTS

- Business Objective
- Reasons for increase of Energy needs & Proposed solution
- Trend analysis –Region wise Consumption
- Coal sector on industry
- Recommendations and Conclusions

BUSINESS OBJECTIVE

- India's energy needs are going to double in next 6-7 years at the present rate of growth of the economy.
- Ratio of energy demand and GDP is useful indicator for economics growth i.e economic growth of country depend upon rate of improvement in per capita energy consumption.
- Due to increasing import charges and problems associated with the development of energy from conventional sources like pollution and global warming a need to create sustainable, and potentially clean, source of energy for future growth is essential.
- The main objective of this presentation is
 - To make aware of the present electricity scenario
 - To understand the proportion of energy use based on the industries
 - To make aware of electricity deficiency problem
 - Nuclear, Solar , Wind, Biomass are among potentially clean fuel and have a future

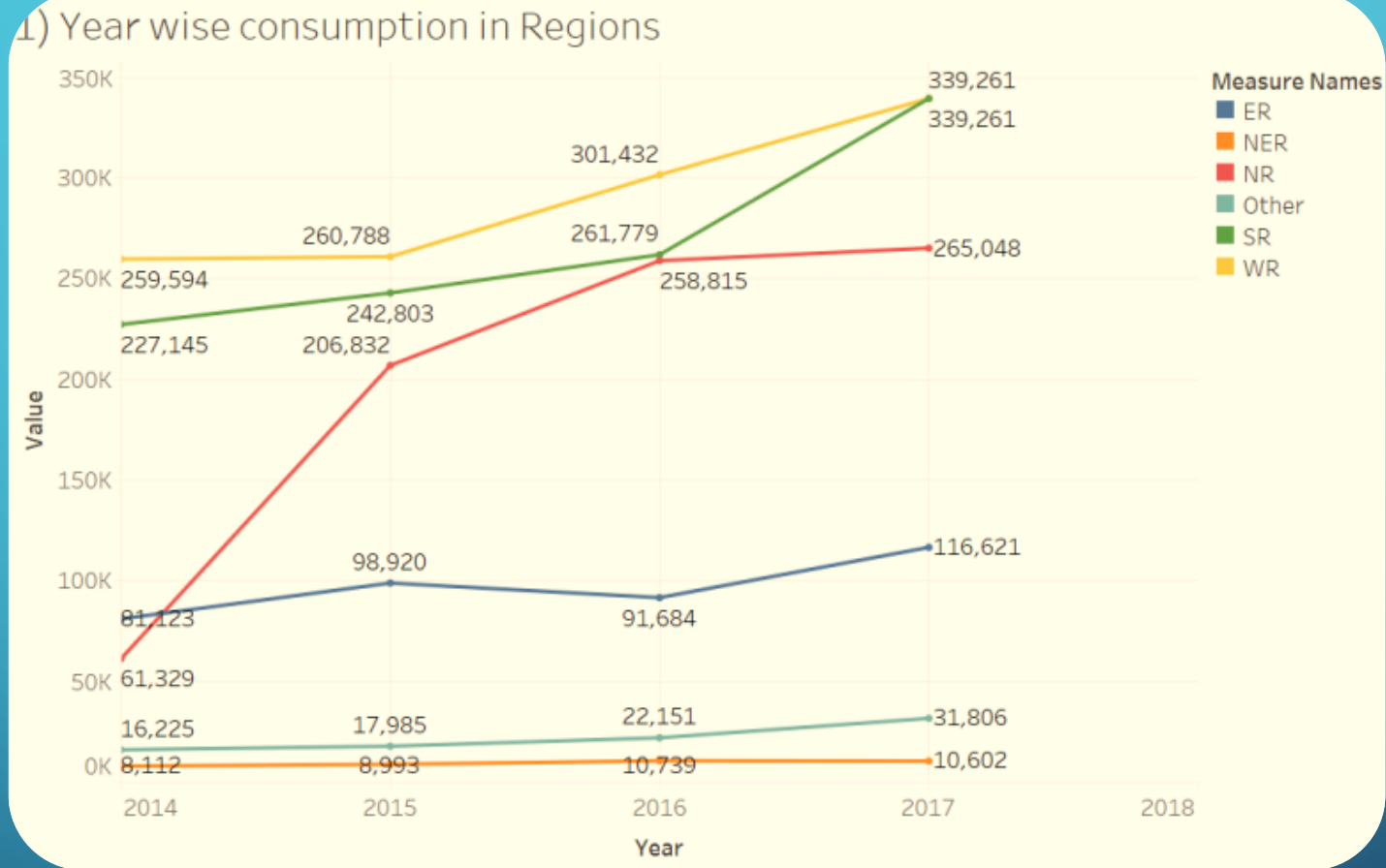
REASONS FOR INCREASE OF ENERGY NEEDS & PROPOSED SOLUTION

- For growing economy, the need for electricity is very crucial. Electricity plays very important role in growth of country.
- Reason for increasing demand of energy :
 - Domestic demand is increasing more rapidly as the quality of life for Indians is improving
 - Increase in transportation
 - Increasing population
 - Increase in industrialisation

Solution Proposed:

- For sustainable growth and pollution reduction ,developing countries like India require substantial investments in their power sector looking forward for new available form of energy resources for future survival (mainly Renewable resources)

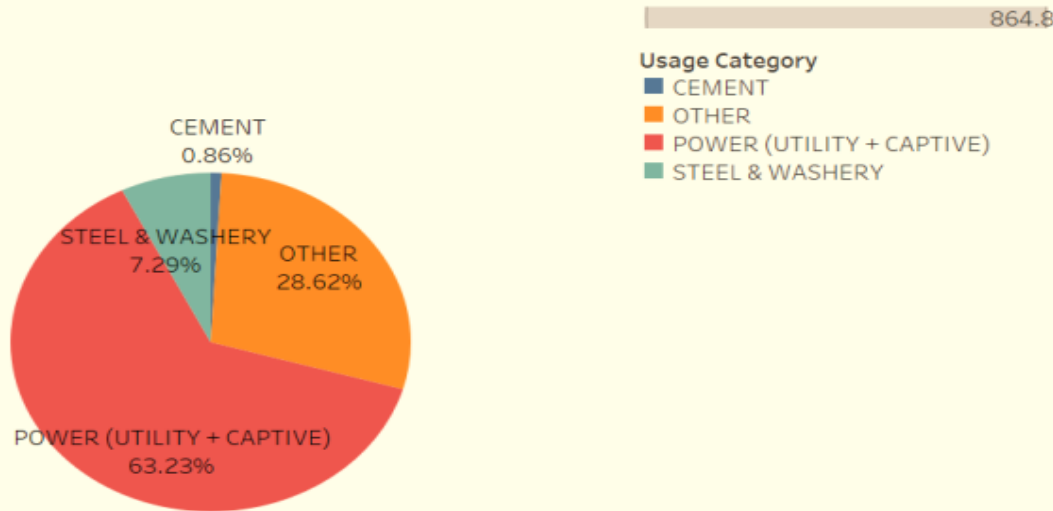
TREND ANALYSIS –REGION WISE CONSUMPTION



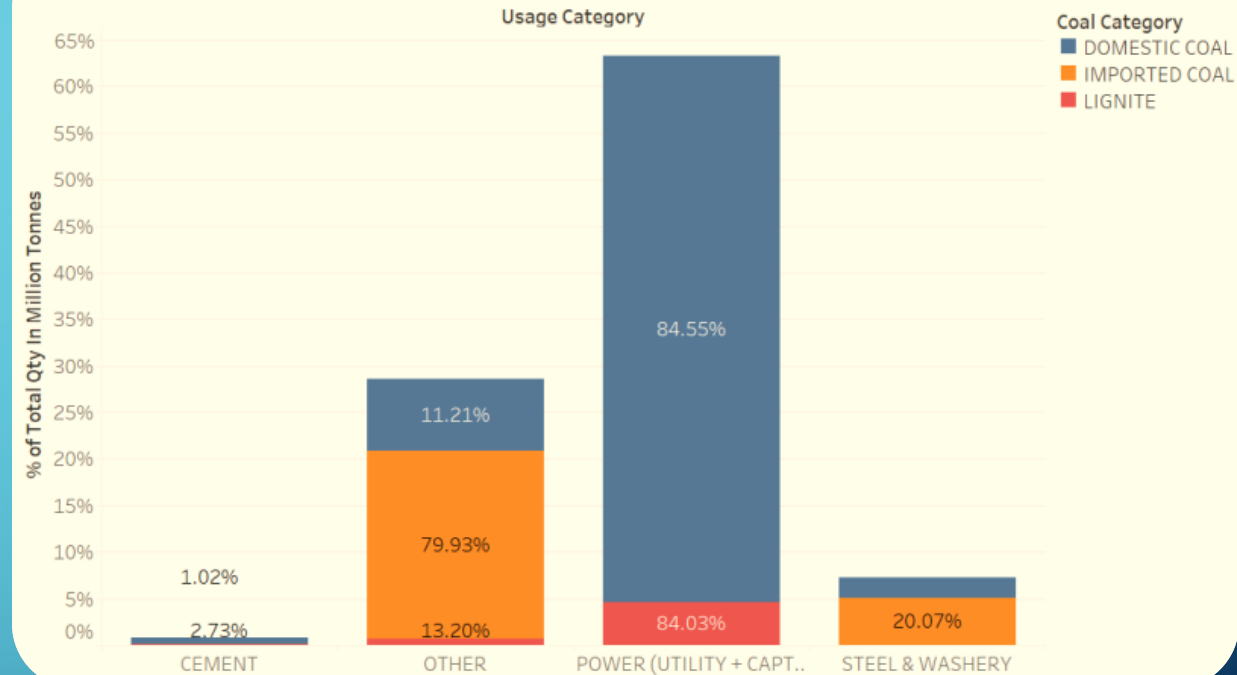
- During the year 2014-2017, demand for electricity in India is out far stripped in all regions especially in Northern region .
- Although the overall growth of the country and the need of electricity is linear, in eastern region for year 2016 there is a small decrease in consumption and North eastern regions having lower increasing trends .

COAL SECTOR ON INDUSTRY

2a) Coal usage-Industry(2015)



2a) Coal category-Industry(2015)



❖ Power Industry :

- The Industry Power has major part of Coal consumption with 63.2% .
- The Domestic Coal has most consumption in the Power industry with 84.5%.

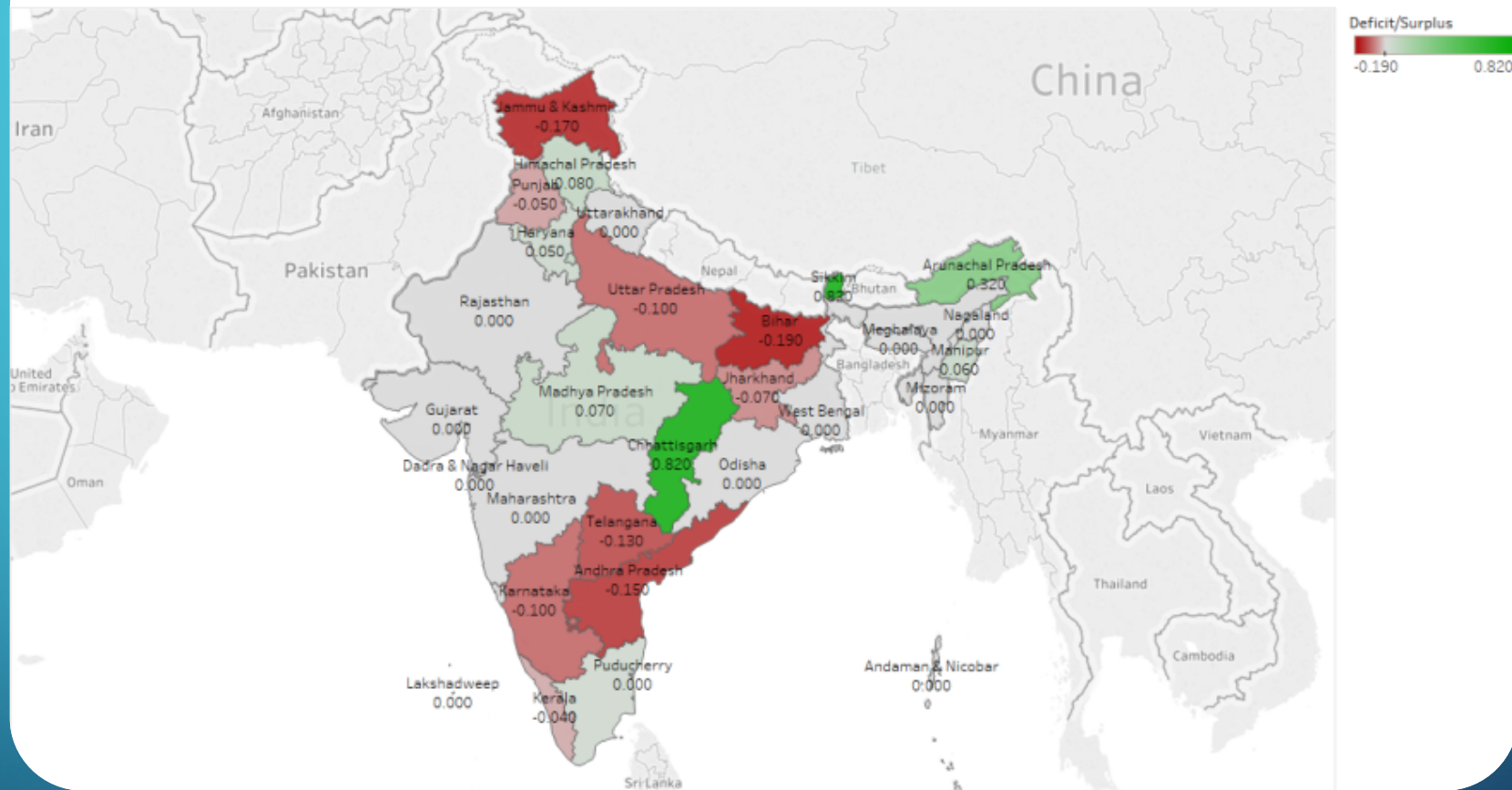
❖ Industry “Other” :

- The Industry “Other” has next major part in Coal consumption with 28.6% .
- Major portion of Imported Coal is used in “Other” Industry

❖ In Industry Power, Lignite has most consumption with 84.03% compared to other industries.

ENERGY CONSUMPTION SCENARIO IN INDIA

3) Energy Consumption



- Chhattisgarh and Sikkim has highest surplus of energy
- Bihar and Jammu & Kashmir has highest deficit of Energy
- Bihar has higher population hence energy demand is higher causing deficit of energy.

RECOMMENDATIONS AND CONCLUSIONS

- Conclusions:

- India, one of the stable economic country depend upon thermal power plant to meet most of the demand about 63.2%.
- Still the share of renewable energy is not significant.

- Recommendations:

- India has potential of renewable energy source in abundance ,which if developed properly can augment the growing demand of the energy .
- To make future brighter India gear up to utilise renewable resources to reduce the global warming and pollution .

The background is a blue gradient. In the corners, there are white line-art illustrations of circuit boards or neural networks, with lines and small circles representing nodes.

THANK YOU