PROJECT REPORT TEMPLATE

Plugging into the Future: An Exploration of Electricity Consumption Patterns

1 INTRODUCTION

1.1 Overview

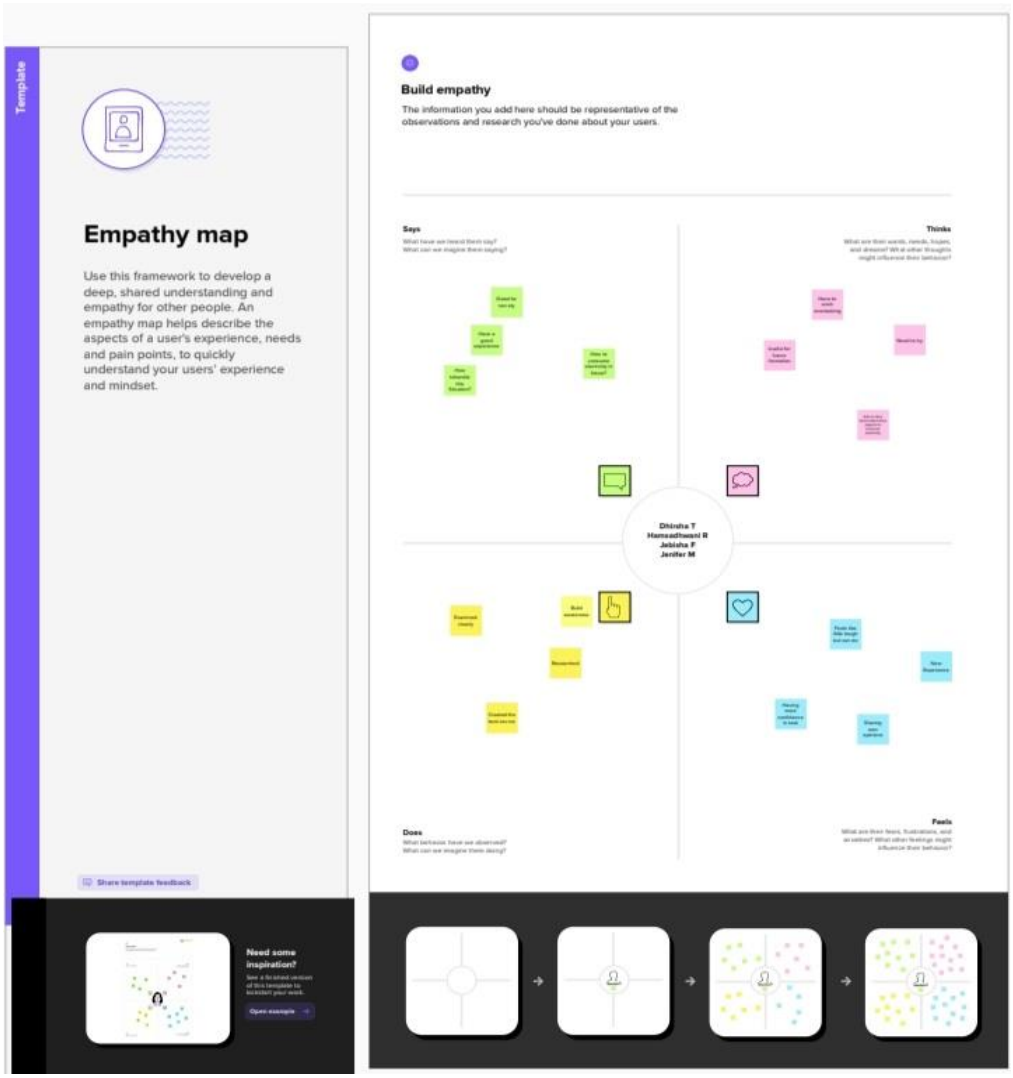
India is the world's third-largest and third-largest consumer of electricity.

1.2 Purpose

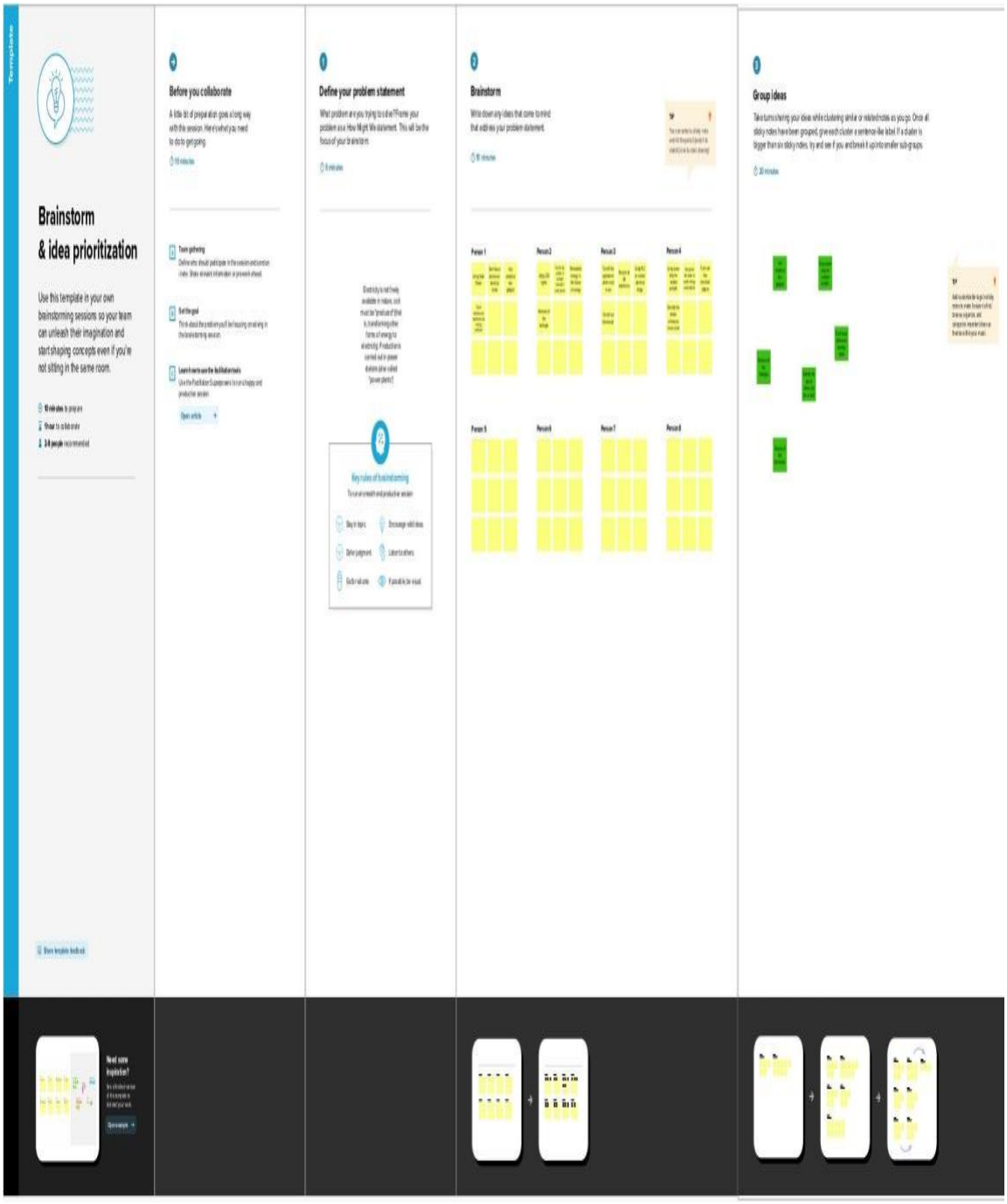
The national electric grid in India has an installed capacity of 370.106 GW as of 31 March2020. Renewable power plants, which also include large hydroelectric plants, constitute 35.86% of India's total installed capacity.

2 PROBLEM DEFINITION &DESIGN THINKING

2.1 Empathy Map



2.2 Ideation & Brainstorming Map



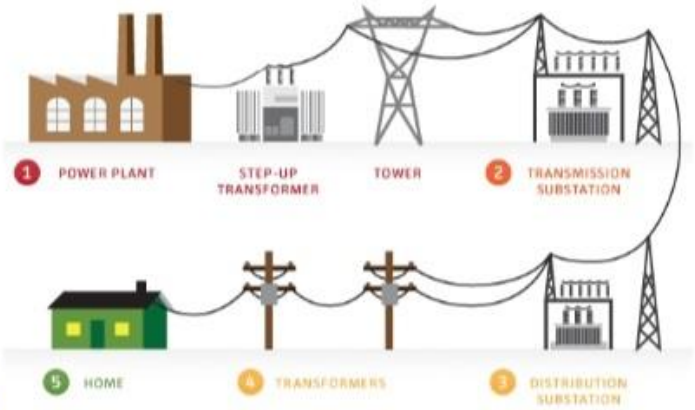
3 RESULT

The result is the dataset is exhaustive in its demonstration of energy consumption datawise.

- Home
- Dashboard
- Story
- Visualizations
- Conclusion

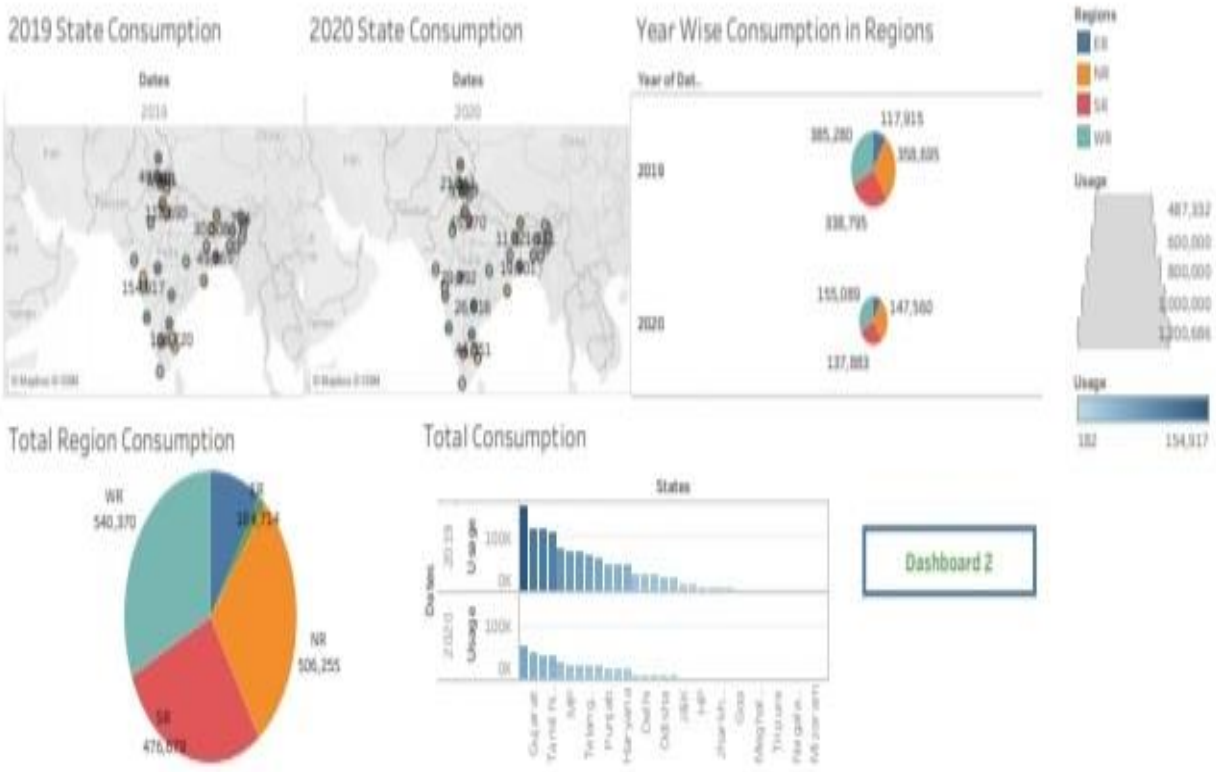
Analysis on Electricity Consumption In India

India is the third largest producer of electricity in the world. During the fiscal year (FY) 2019–20, the total electricity generation in the country was 1,598 TWh, of which 1,383.5 TWh generated by utilities. The gross electricity consumption per capita in FY2019 was 1,208 kWh.

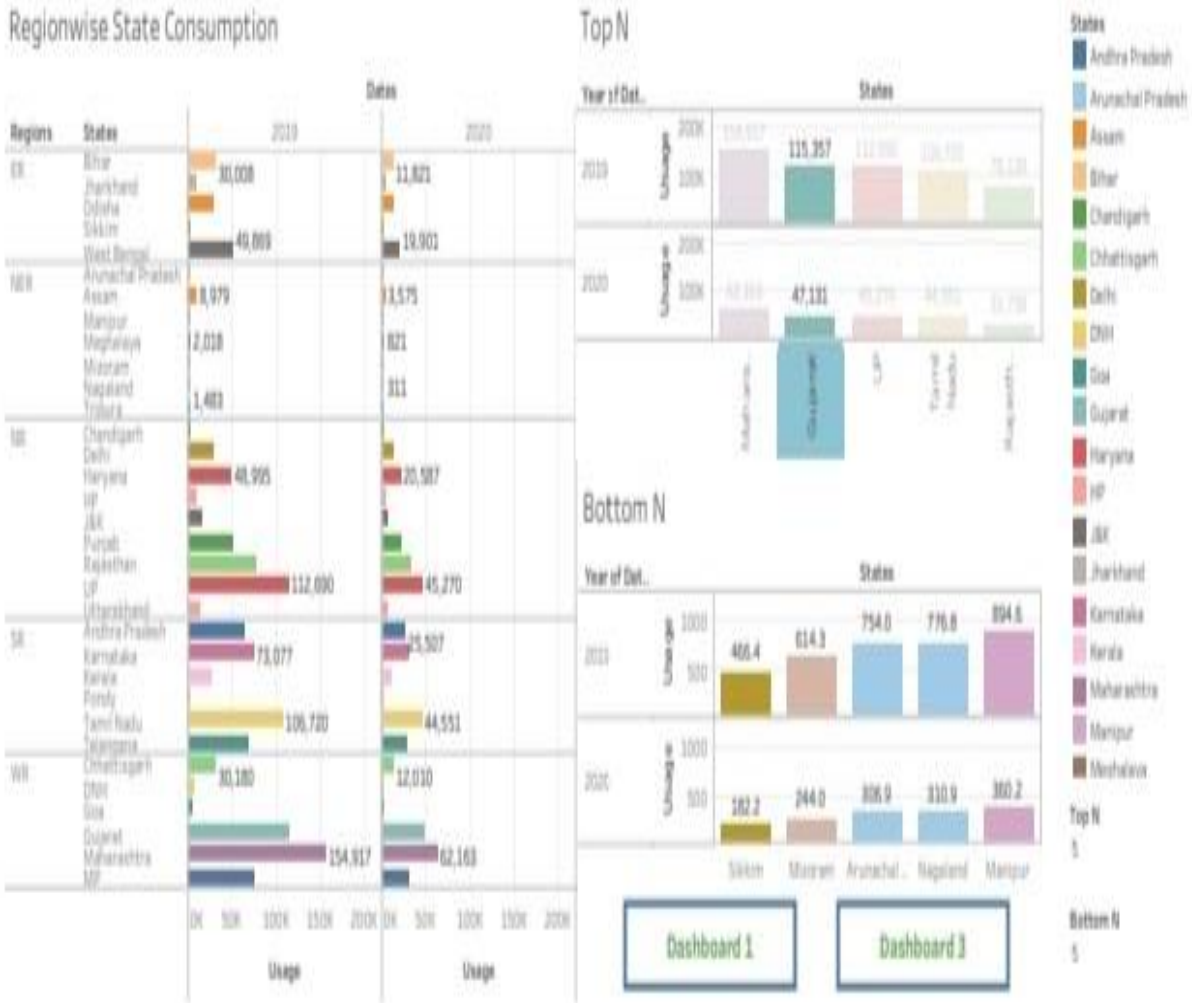


Get Started

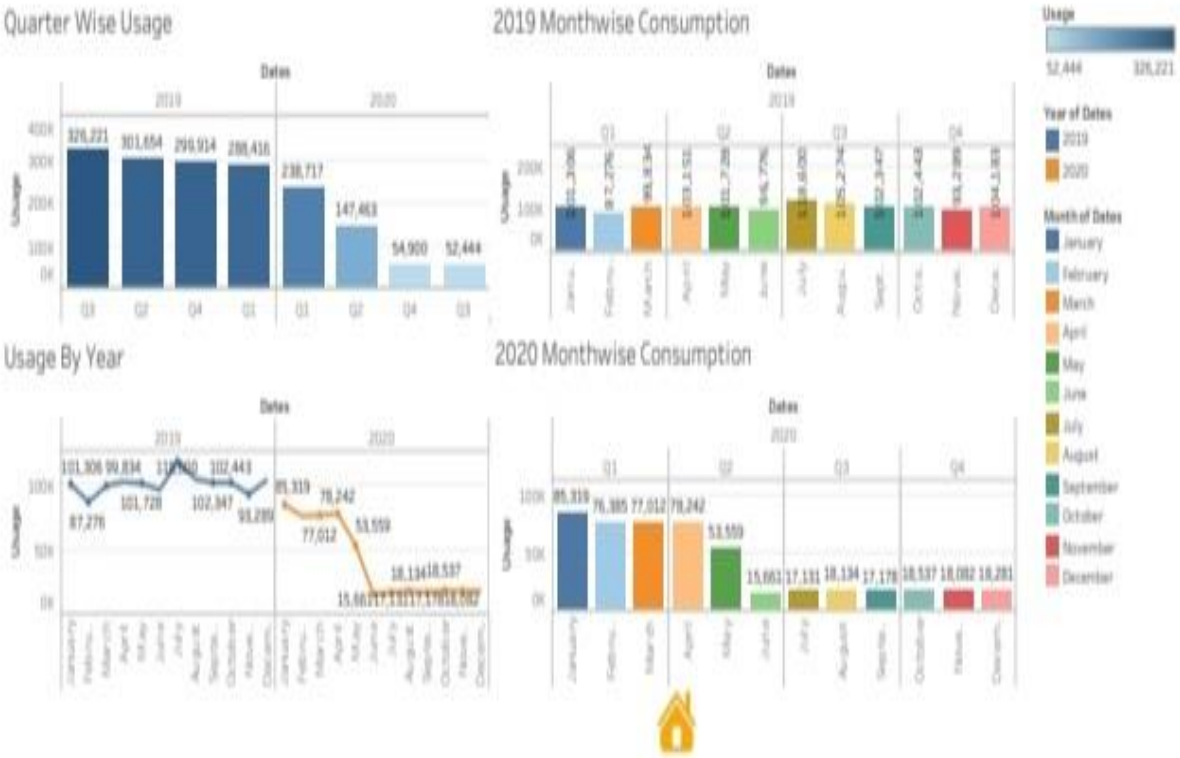
DASHBOARD 1


2019 State Consumption
Dates
2019
2020 State Consumption
Dates
2020
Year Wise Consumption in Regions
Year of Dat..
2019
2020
117,915
885,280
958,605
838,795
155,089
147,560
137,883
Regions
ER
NR
SR
WR
Usage
487,332
600,000
800,000
1,000,000
1,200,686
Usage
182
154,917
Total Region Consumption
WR
540,370
NR
506,255
SR
476,698
Total Consumption
States
Dates
2019
2020
Usage
100K
0K
Dashboard 2

DASHBOARD 2


Regionwise State Consumption
Dates
Regions
States
2019
2020
ER
Bihar
Jharkhand
Odisha
Sikkim
West Bengal
30,008
49,869
11,821
19,901
NER
Arunachal Pradesh
Assam
Manipur
Meghalaya
Mizoram
Nagaland
Tripura
8,979
2,018
1,483
3,575
821
311
NR
Chandigarh
Delhi
Haryana
HP
J&K
Punjab
Rajasthan
UP
Uttarakhand
48,995
112,690
20,587
45,270
SR
Andhra Pradesh
Karnataka
Kerala
Pondy
Tamil Nadu
Telangana
73,077
106,720
25,507
44,551
WR
Chhattisgarh
DNH
Goa
Gujarat
Maharashtra
MP
30,180
154,917
12,010
62,163
0K
50K
100K
150K
200K
Usage
Top N
Year of Dat..
States
Usage
2019
2020
115,357
47,131
Bottom N
466.4
614.3
754.0
770.8
894.6
182.2
244.0
806.9
810.9
860.2
Sikkim
Mizoram
Arunachal ..
Nagaland
Manipur
Dashboard 1
Dashboard 3
States
Andhra Pradesh
Arunachal Pradesh
Assam
Bihar
Chandigarh
Chhattisgarh
Delhi
DNH
Goa
Gujarat
Haryana
HP
J&K
Jharkhand
Karnataka
Kerala
Maharashtra
Manipur
Meghalaya
Top N
5
Bottom N
5

DASHBOARD 3


Quarter Wise Usage
Dates
2019
2020
Usage
326,221
301,654
299,914
288,416
238,717
147,463
54,900
52,444
Q3
Q2
Q4
Q1
Q1
Q2
Q4
Q3
2019 Monthwise Consumption
Dates
2019
Q1
Q2
Q3
Q4
Usage
Usage
52,444
326,221
Year of Dates
2019
2020
Month of Dates
January
February
March
April
May
June
July
August
September
October
November
December
Usage By Year
Dates
2019
2020
Usage
101,306
99,834
101,728
102,947
87,276
85,319
78,242
77,012
53,559
18,134
18,537
2020 Monthwise Consumption
Dates
2020
Q1
Q2
Q3
Q4
Usage
85,319
76,385
77,012
78,242
53,559
15,661
17,131
18,134
17,179
18,537
18,082
18,281

STORY OF ELECTRICITY CONSUMPTION IN INDIA

4 ADVANTAGES & DISADVANTAGES

- More Efficient
- Lower Maintenance Cost
- It is a clean, cheap, safe source of energy
- Best reliable energy

Therefore, these are the advantages and disadvantages of electricity consumption.

5 APPLICATIONS

In 2015-16, electric energy consumption in agriculture was recorded as being the highest (17.89%) worldwide. The per capita electricity consumption is low compared to most other countries despite India having a low electricity tariff.

6 CONCLUSION

This reports explains the features of our electricity consumption in our future.

7 APPENDIX

Html link :

https://drive.google.com/file/d/1P4gE7TxMd60c160cn5IqHb7ilDzRsYNO/view?usp=drivesdk