Agenda

- Objective

- What's New?

- Target Audience

- Technology Used

- Project Demonstration

- Future Scope

- Conclusion

Objective

Visualize the given dataset of Rich Boss Cement Plant and provide insights on sales, budget, production, cost etc. using Microsoft Power BI.

What's New?

About:

Power BI

Connect to and visualize any data using the unified, scalable platform for self-service and enterprise business intelligence (BI) that's easy to use and helps you gain deeper data insight.

Power BI helps to bridge the gap between data and decision making.

Most users who work on business intelligence projects use Power BI to create reports for easy visualization.

Target Audience

The key is to keep your audience engaged.

The first and most important consideration is your audience. Their preferences will guide every other decision about your visualization—the dissemination mode, the graph type, the formatting, and more. You might be designing charts for policymakers, funders, the general public, or your own organization's leaders, among many others.

Power BI

- Power BI is a collection of software services, apps, and connectors that work together to turn your unrelated sources of data into coherent, visually immersive, and interactive insights.

- Your data may be an Excel spreadsheet, or a collection of cloud-based and on-premises hybrid data warehouses.

- Power BI lets you easily connect to your data sources, visualize and discover what's important, and share that with anyone or everyone you want.

Power BI consists of several elements that all work together, starting with these three basics:

- A Windows desktop application called Power BI Desktop.

- An online SaaS (Software as a Service) service called the Power BI service.

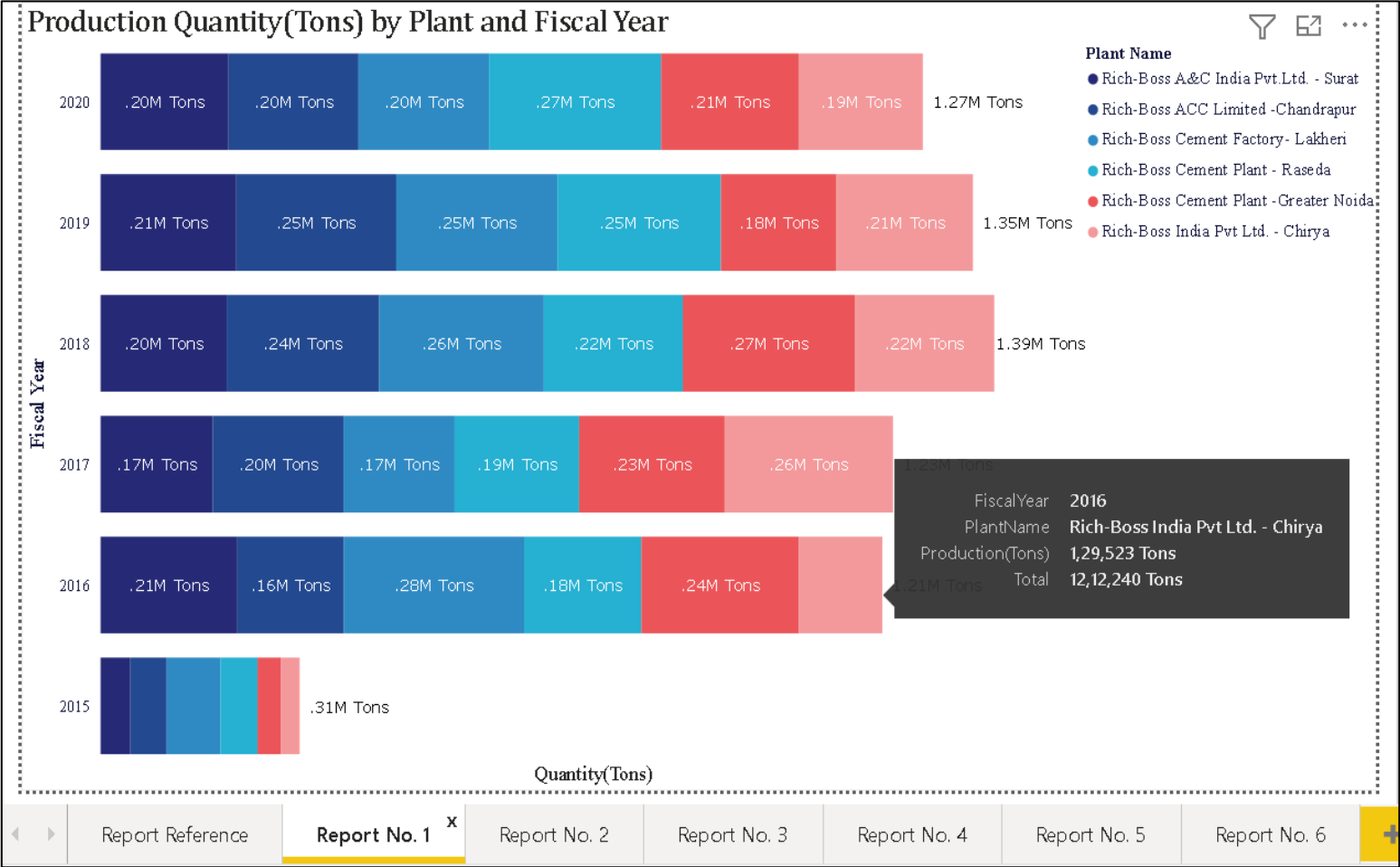- Power BI mobile apps for Windows, iOS, and Android devices.

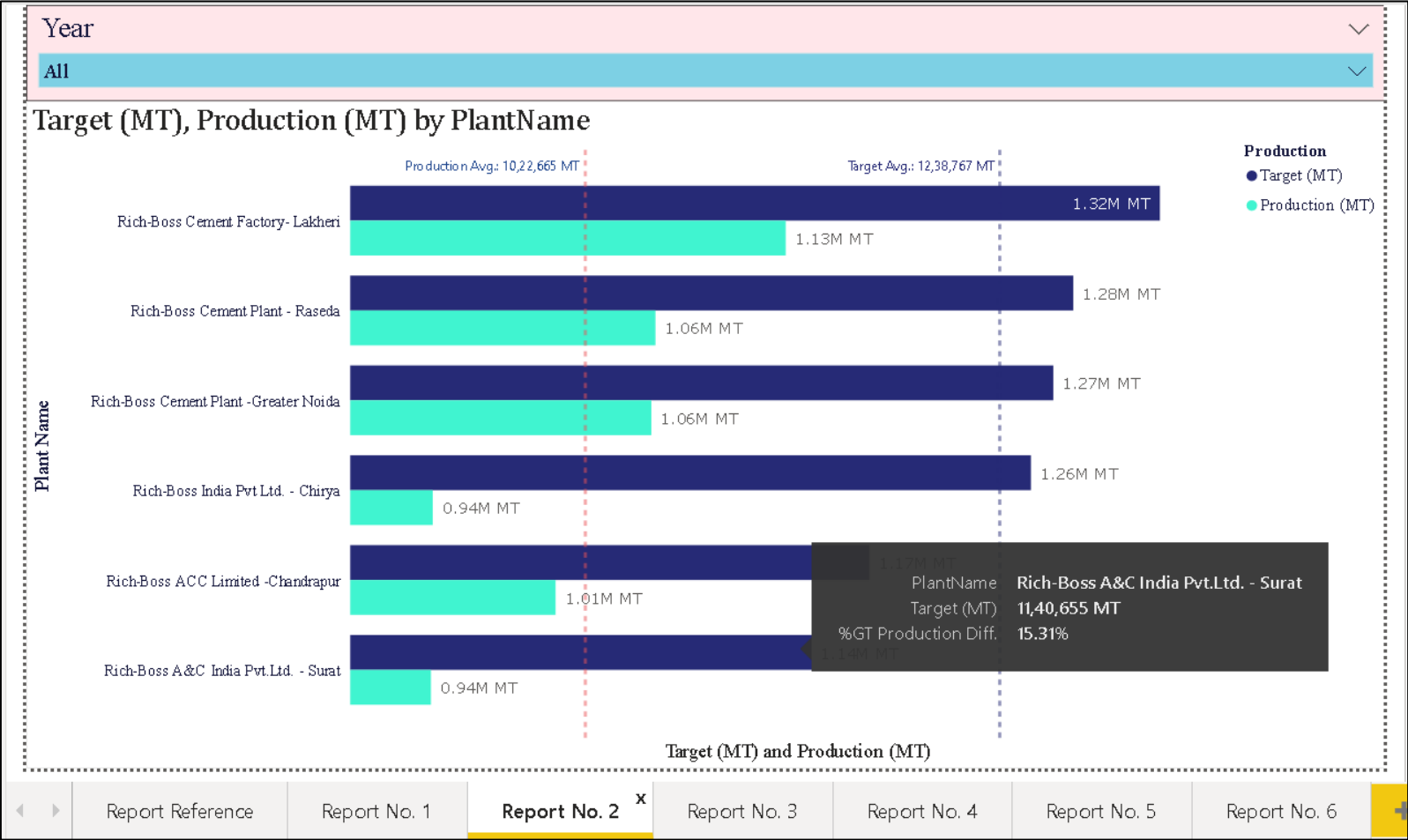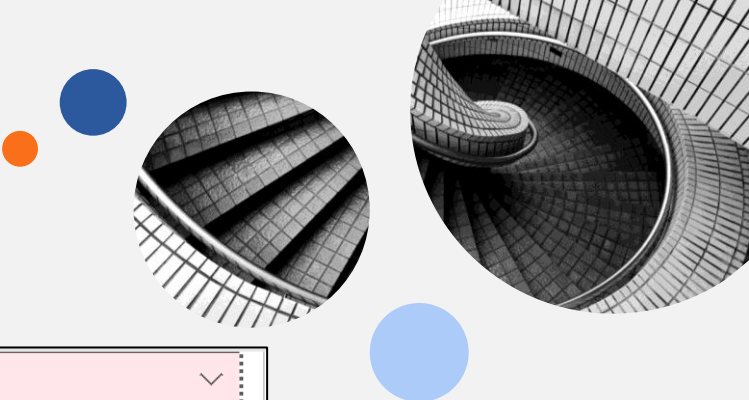# Project Demonstration

REPORT DETAILS

Report No. 1

## Variation in manufacturing of cement plant wise and on the basis of Fiscal year (Quantity in Tons).

Production Quantity(Tons) by Plant and Fiscal Year

Fiscal Year							Total
2020	.20M Tons	.20M Tons	.20M Tons	.27M Tons	.21M Tons	.19M Tons	1.27M Tons
2019	.21M Tons	.25M Tons	.25M Tons	.25M Tons	.18M Tons	.21M Tons	1.35M Tons
2018	.20M Tons	.24M Tons	.26M Tons	.22M Tons	.27M Tons	.22M Tons	1.39M Tons
2017	.17M Tons	.20M Tons	.17M Tons	.19M Tons	.23M Tons	.26M Tons	1.23M Tons
2016	.21M Tons	.16M Tons	.28M Tons	.18M Tons	.24M Tons		1.21M Tons
2015							.31M Tons

Plant Name
- Rich-Boss A&C India Pvt.Ltd. - Surat
- Rich-Boss ACC Limited -Chandrapur
- Rich-Boss Cement Factory- Lakheri
- Rich-Boss Cement Plant - Raseda
- Rich-Boss Cement Plant -Greater Noida
- Rich-Boss India Pvt Ltd. - Chirya

FiscalYear **2016**
PlantName **Rich-Boss India Pvt Ltd. - Chirya**
Production(Tons) **1,29,523 Tons**
Total **12,12,240 Tons**

Quantity(Tons)

Report Reference | **Report No. 1** | Report No. 2 | Report No. 3 | Report No. 4 | Report No. 5 | Report No. 6

Report No. 2

Production target and target achieved in a particular year.

Year

All

Target (MT), Production (MT) by PlantName

Production Avg.: 10,22,665 MT | Target Avg.: 12,38,767 MT

Production
- Target (MT)
- Production (MT)

Rich-Boss Cement Factory- Lakheri — 1.32M MT / 1.13M MT

Rich-Boss Cement Plant - Raseda — 1.28M MT / 1.06M MT

Rich-Boss Cement Plant -Greater Noida — 1.27M MT / 1.06M MT

Rich-Boss India Pvt Ltd. - Chirya — 1.26M MT / 0.94M MT

Rich-Boss ACC Limited -Chandrapur — 1.01M MT

Rich-Boss A&C India Pvt.Ltd. - Surat — 0.94M MT

PlantName	Rich-Boss A&C India Pvt.Ltd. - Surat
Target (MT)	11,40,655 MT
%GT Production Diff.	15.31%

Plant Name

Target (MT) and Production (MT)

| Report Reference | Report No. 1 | Report No. 2 ˣ | Report No. 3 | Report No. 4 | Report No. 5 | Report No. 6 |

Report No. 3

Quantity of Orders and quantity delivered(shipped) plant wise and month wise.
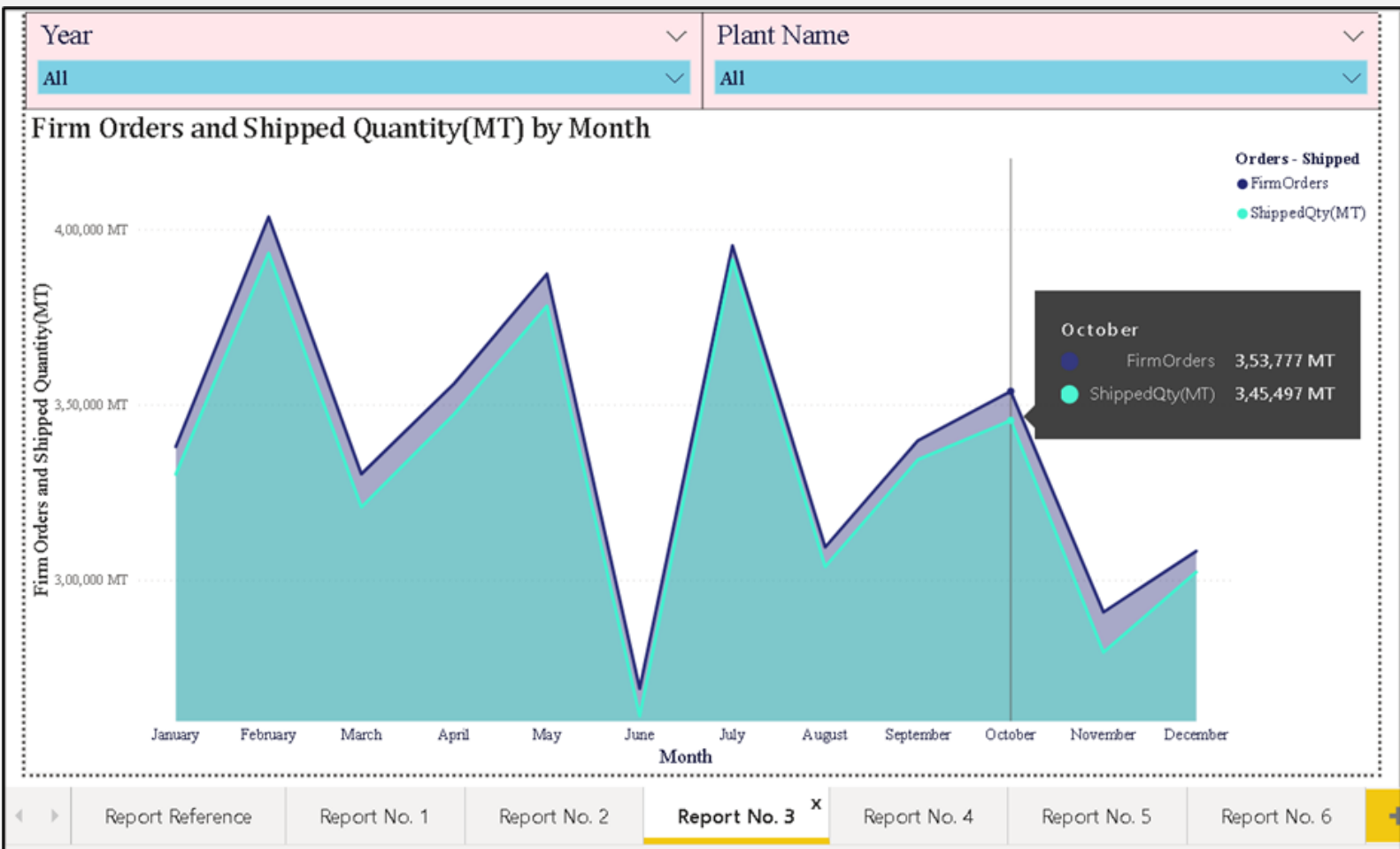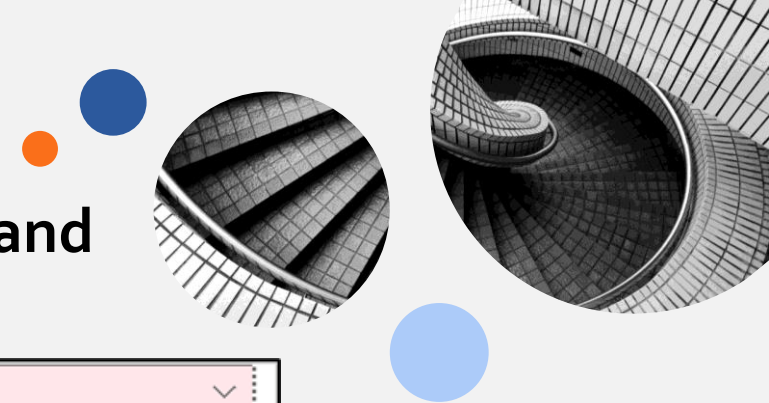
Report No. 4

Total quantity of cement sold to date, total delivery last year, average delivery per day.
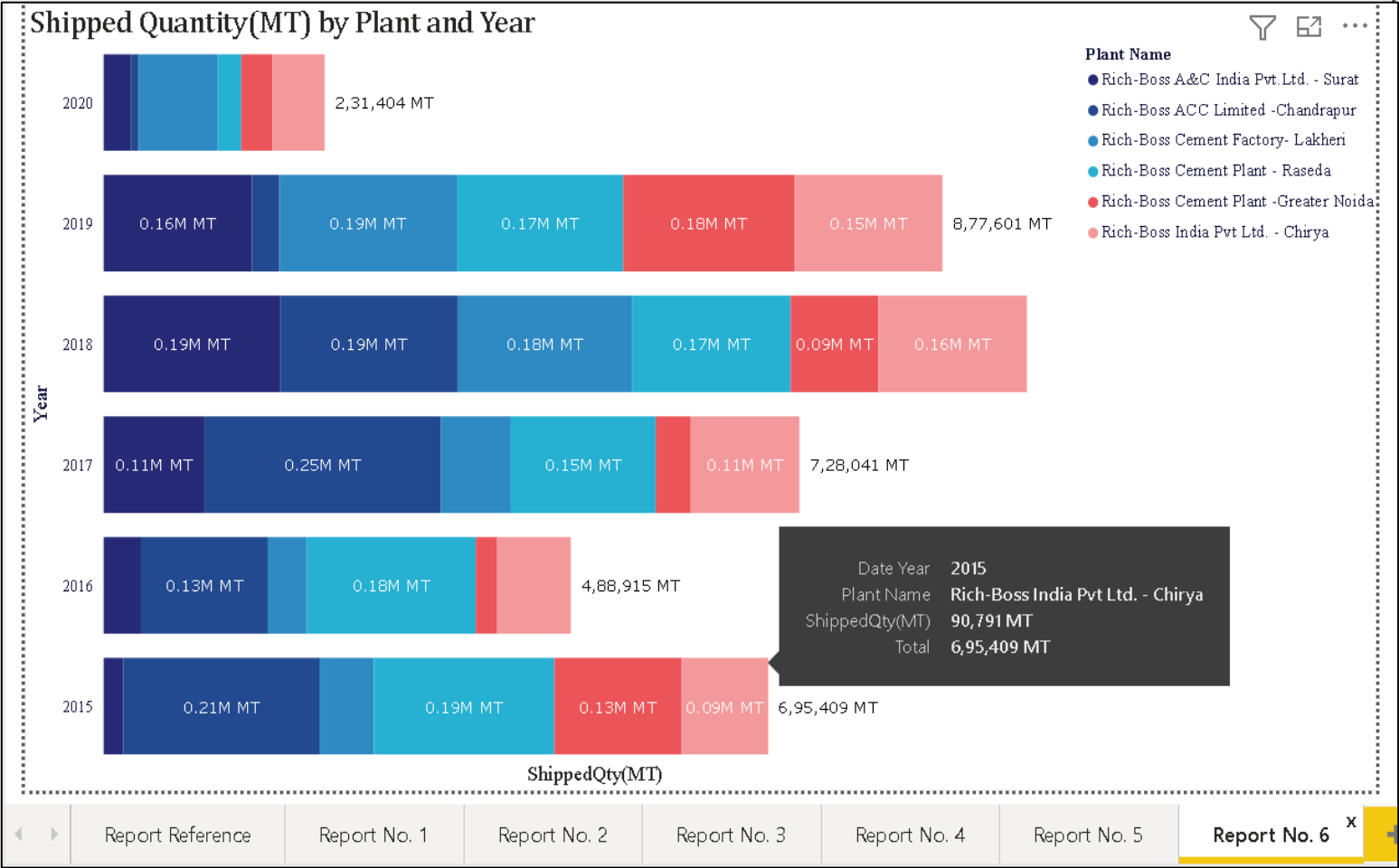
Report No. 5

Total budget and production cost region wise.
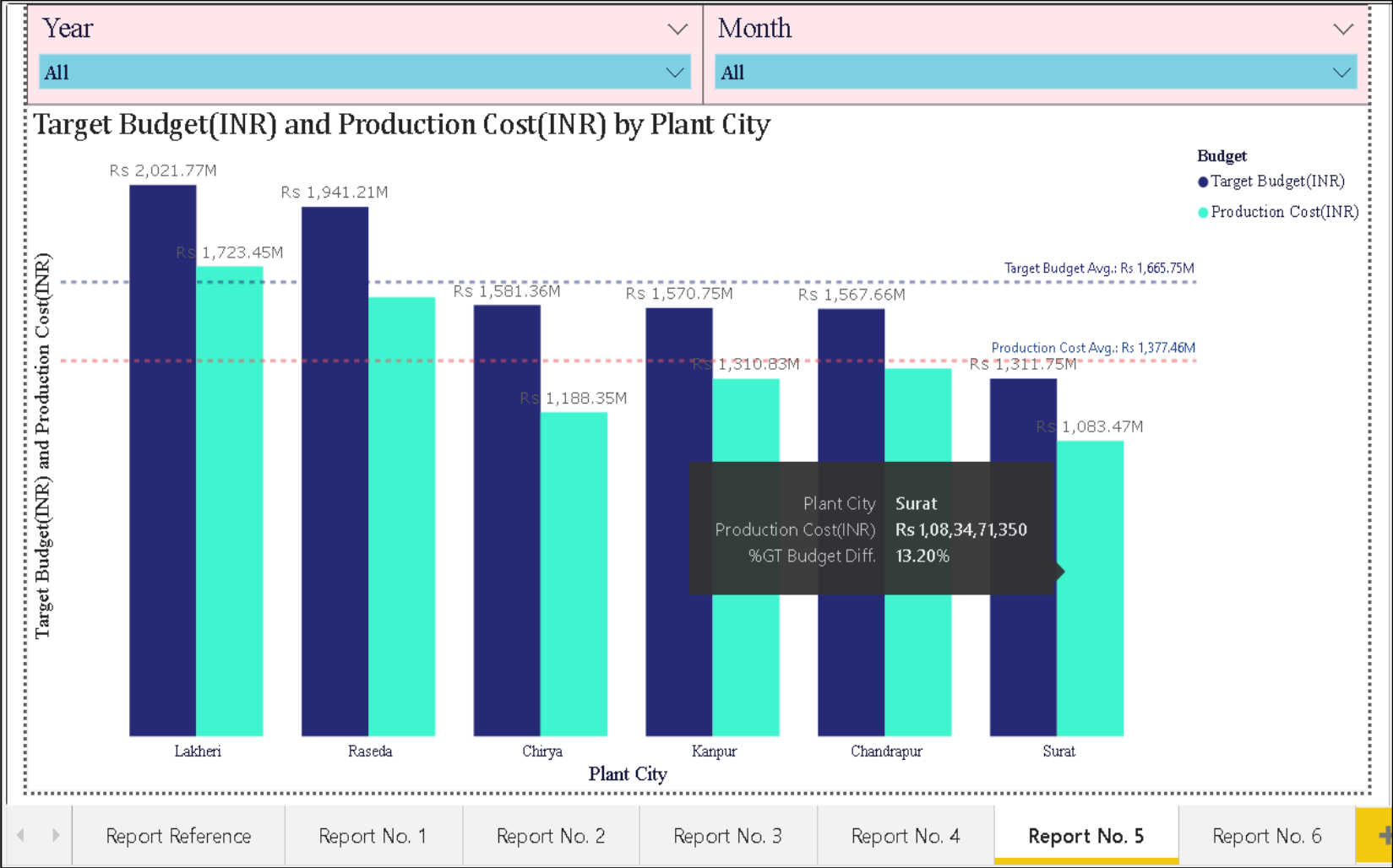
Report No. 6

## Quantity delivered(shipped) on yearly basis and plant wise.

Future Scope

- Over the years, data visualization has made a significant impact not just in large organizations but also in medium and small enterprises. Each day 2.5 quintillion bytes of information are generated globally, which will go wasted if not put in a proper framework. Thus, making the future of data visualization robust as well as highly essential!

- Dashboards and reports developed using BI software are more comprehensive, and help leaders make real-time, accurate, and informed business decisions.

Conclusion

- Visualization can provide a quick, high level summary of the main information contained in the data.

- Thus, using the Cement Company Dataset, we have created visual reports about the company's production plants situated at different locations over different plants from 2015 to 2020.

- We can effectively look into past actions and their consequences and can take measured decisions in future.
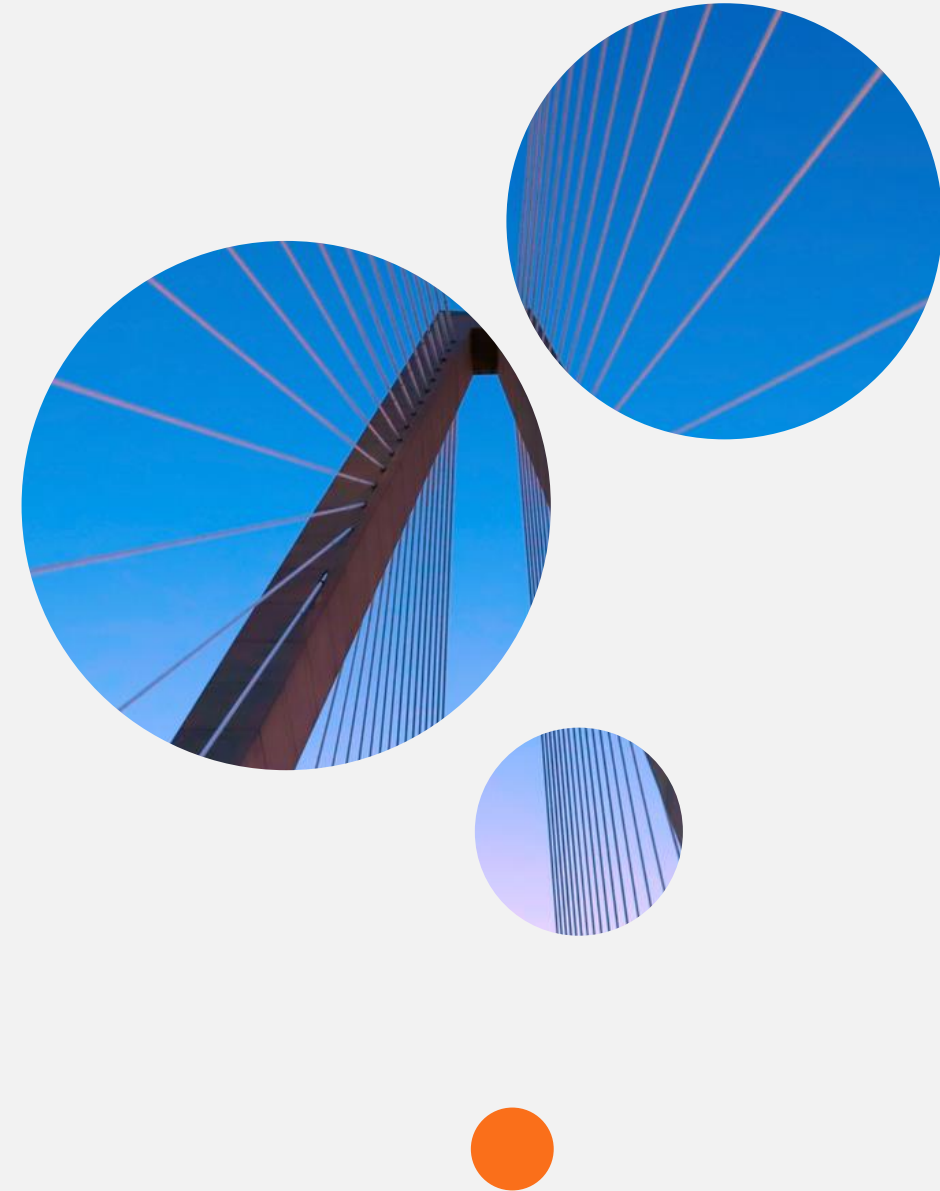
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