Latest Yearly { 2022 } Registered #Document & Revenue

Doc_Registered_count
1.207073M
Vs Previous Yearly
9.3%

Doc_Registered_amount
₹106.70bn
Vs Previous Yearly
26.9%

eStamp_Registered_count
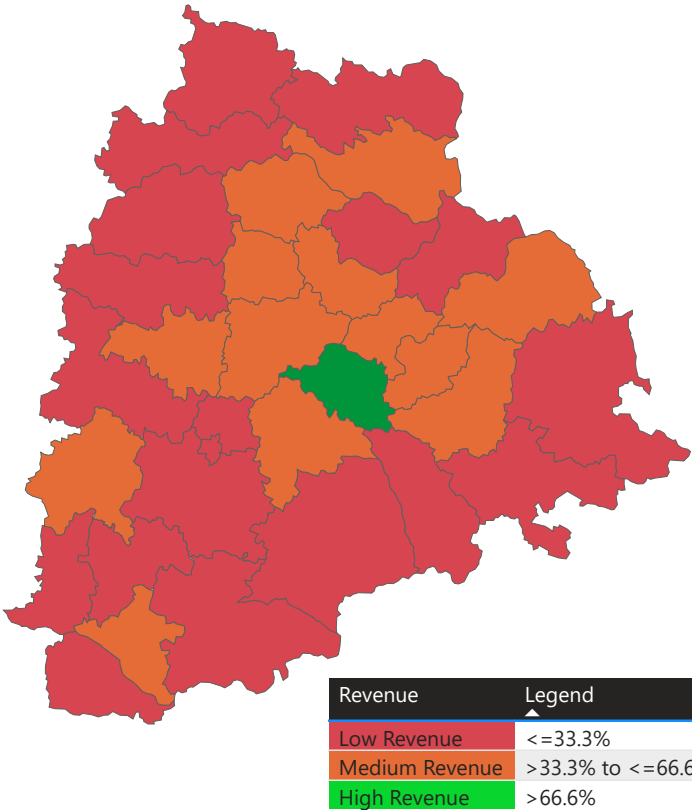## 1.254961M
Vs Previous Yearly
6.9%

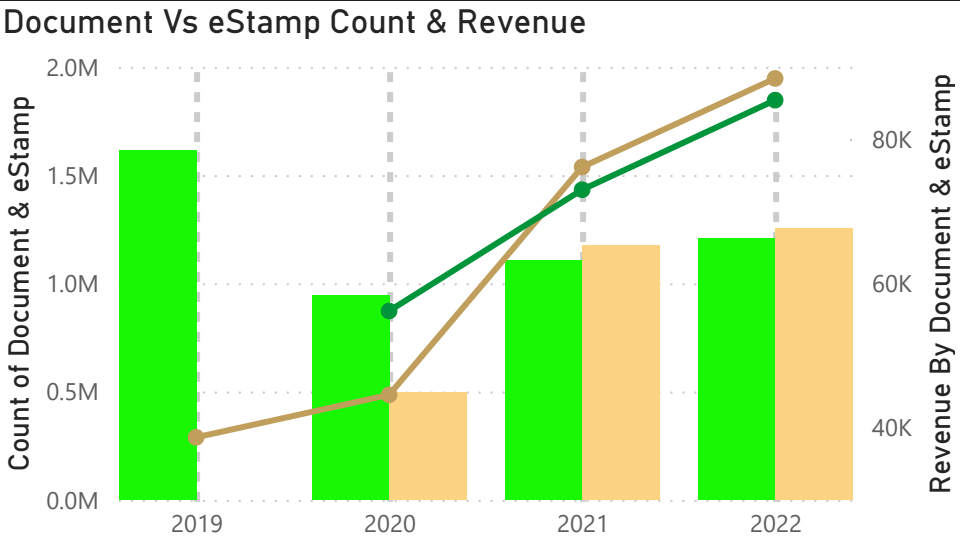**eStamp_Registered_amount**
₹107.15bn
Vs Previous Yearly
25.1%

Latest Top 5 District || Revenue || Share out of total district

Rangareddy || 76,047,108,564 || 35.6%
Medchal_Malkajgiri || 47,639,706,838 || 22.3%
Hyderabad || 28,640,327,473 || 13.4%
Sangareddy || 16,532,805,623 || 7.7%
Hanumakonda || 5,664,095,431 || 2.6%

Revenue Per District 2021 Vs 2022
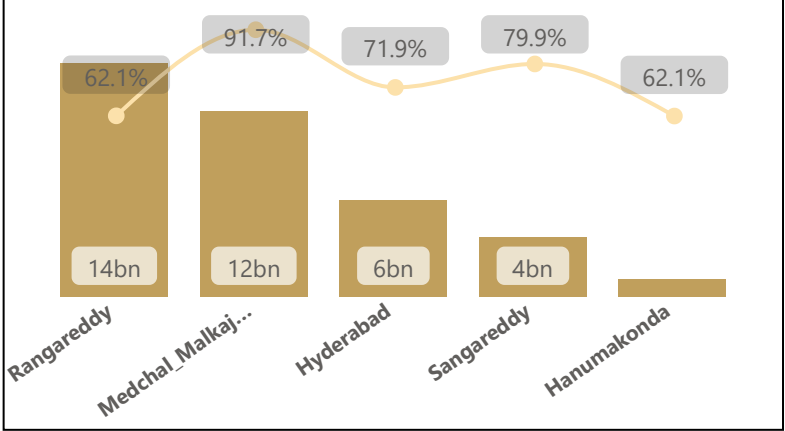
Revenue	Legend
Low Revenue	<=33.3%
Medium Revenue	>33.3% to <=66.6%
High Revenue	>66.6%

Top 5 District 2019 Vs 2022 Document Revenue Change

62.1% | 91.7% | 71.9% | 79.9% | 62.1%
14bn | 12bn | 6bn | 4bn

Rangareddy | Medchal_Malkaj... | Hyderabad | Sangareddy | Hanumakonda

Document Vs eStamp Count & Revenue

Top 5 eStamp Share% Vs Documention 2022 by district

District	Share%
Jangoan	50.6%
Nirmal	50.5%
Mancherial	50.5%
Rangareddy	50.4%
Kamareddy	50.4%

Latest Yearly { 2022 } Vehicles Sales Detail

Brand_new_Vehicles
1M   **-11.5%**
              Vs Previous Period

Pre-owned_vehicles
139K   **26.1%**
              Vs Previous Period

fuel_type_diesel
196K   **-1.6%**
          Vs Previous

fuel_type_petrol
1M   **-14.0%**
        VS Previous

fuel_type_electric   **101.7%**
63K   **Vs Previous**

Fiscal Years High and Low Sales Month

fiscal_year	Highest Sales Month	Lowest Sales Month
2019	**Oct**	**Sep**
2020	**Oct**	**Apr**
2021	**Oct**	**May**
2022	**Mar**	**Feb**

From 2019 to 2022, Highest vehicle sales month was October but in 2022 this pattern change for which many **factors** can be
Whereas Lowest sales month is not fix year over year and it is varies

Ctrl+Click for Reason

Fiscal Year 2022 Vehicle Distribution
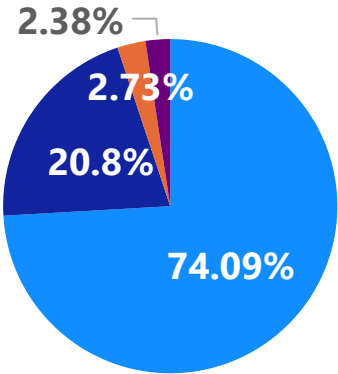
● MotorCycle ● MotorCar ● Agriculture ● AutoRickshaw

2.38%
2.73%
20.8%
74.09%

Fuel Type Vehicles
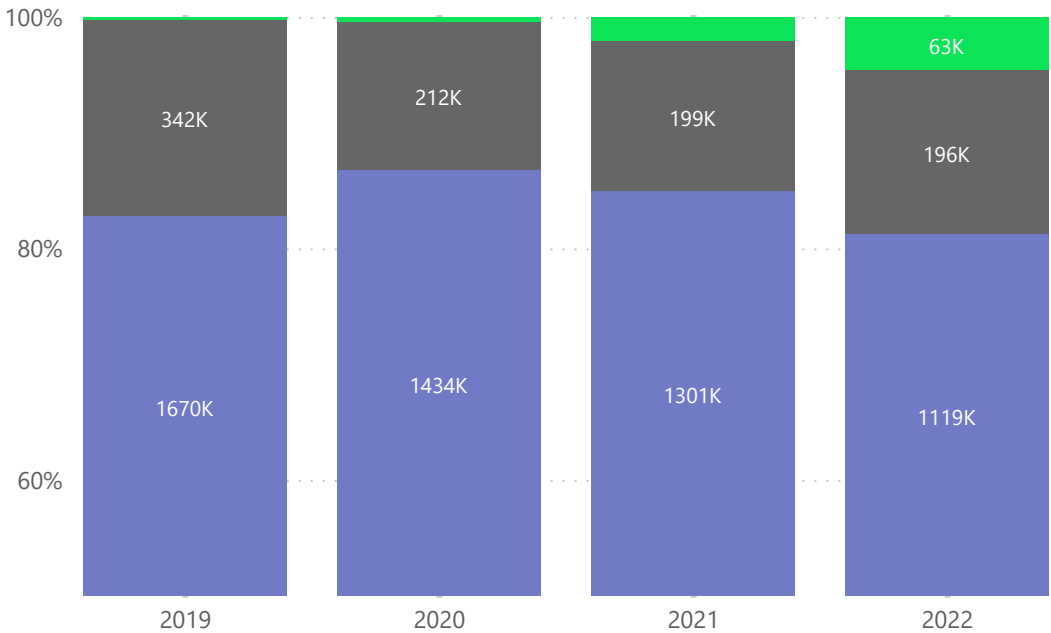
	2019	2020	2021	2022
(green/EV)				63K
(grey)	342K	212K	199K	196K
(purple)	1670K	1434K	1301K	1119K

Diesel Vehicle Sales 2021 Vs 2022

Top Districts
Karimnagar — **111%**
Rangareddy — **13%**
Sangareddy — **13%**

Bottom Districts
Jangoan — **-22%**
Mahabubabad — **-24%**
Warangal — **-48%**

Petrol Vehicle Sales 2021 Vs 2022

Top Districts
Hyderabad — **1%**
Rangareddy — **9%**

Bottom Districts
Jagtial — **-41%**
Nirmal — **-41%**
Warangal — **-45%**

EV Vehicle Sales 2021 Vs 2022
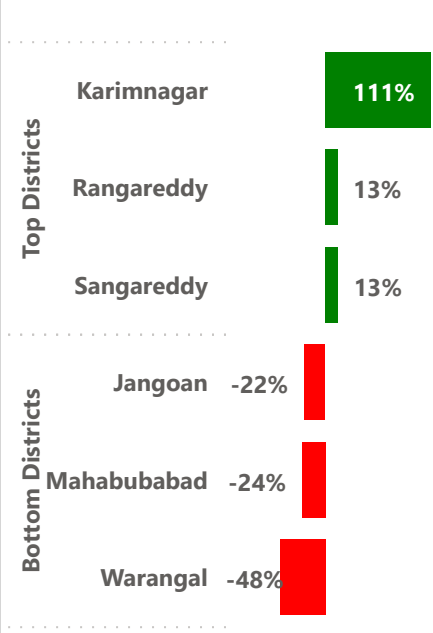
Top Districts
Khammam — **409%**
Bhadradri Kotha... — **282%**
Suryapet — **247%**
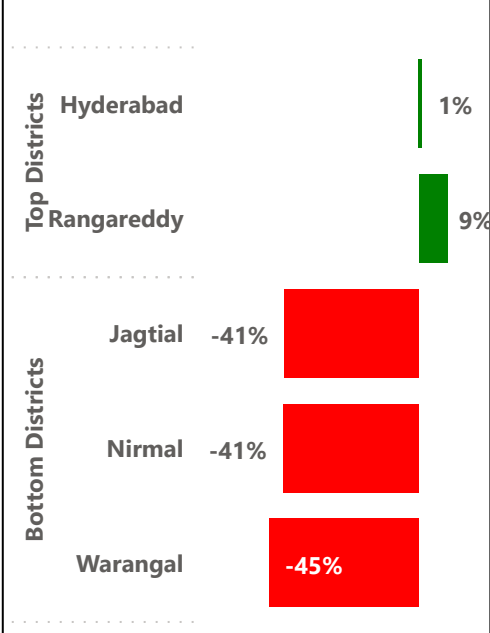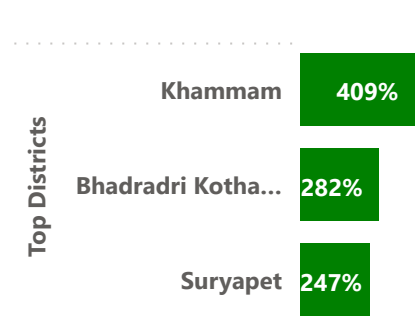
Comparing EV sales in 2022 with 2021, all districts have +ve growth in sales rate.

Decline in sales of Petrol & Diesel Vehicle started from 2021

Monthly	Quarterly	Yearly

Investment Per Sector Over Periods

- Agro based incl Col...
- Automobile
- Beverages
- Cement, Cement & ...
- Electrical and Electr...
- Engineering
- Fertlizers Organic a...
- Food Processing
- Granite and Stone C...
- Industrial Parks and...

Investment(Cr) by sector in Fiscal Year 2022

Sector	Investment
Plastic and Rubber	5.9K
Pharmaceuticals ...	2.2K
Real Estate,Indus...	2.1K
Solar and Other ...	2.1K
Engineering	1.9K

Yearly

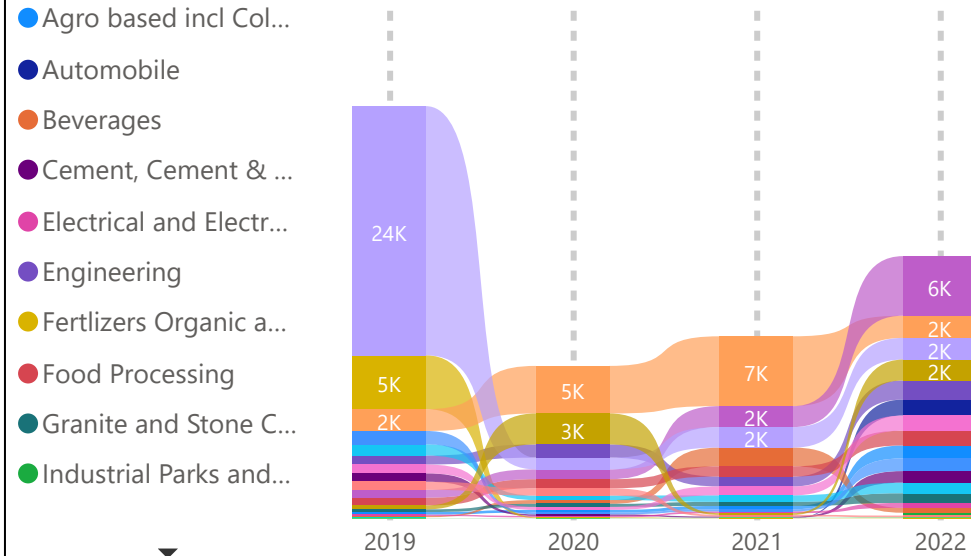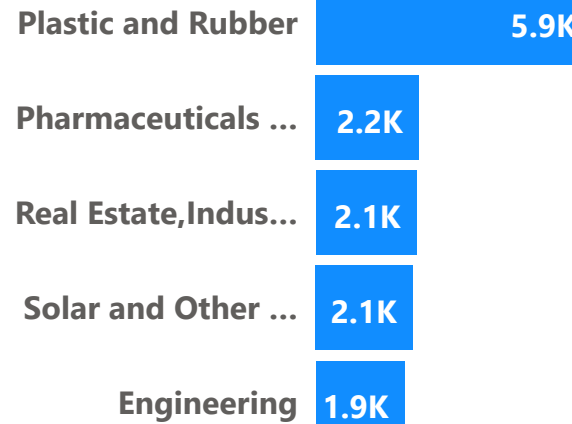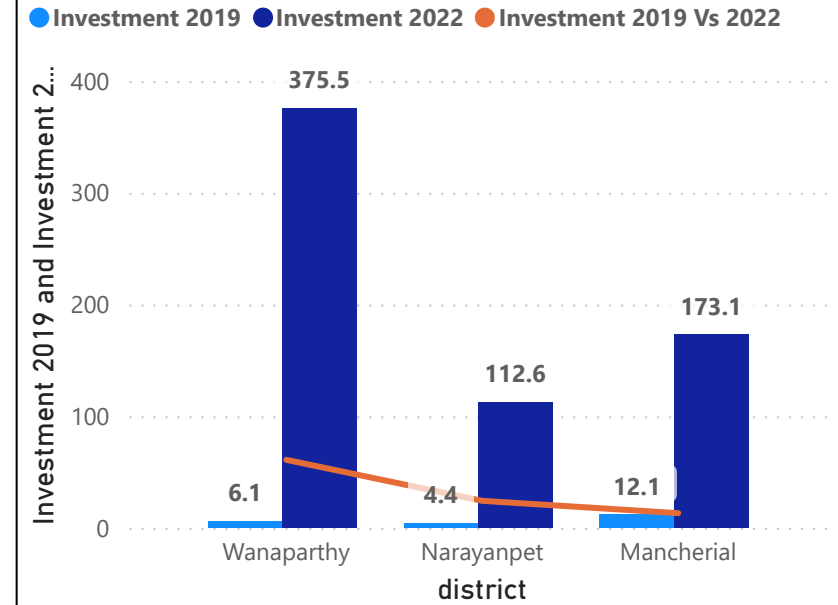- ● Investment 2019 ● Investment 2022 ● Investment 2019 Vs 2022

Wanaparthy: 6.1 / 375.5
Narayanpet: 4.4 / 112.6
Mancherial: 12.1 / 173.1

Investment & Revenue 2021 Vs 2022 by District

#District by Sector with Highest Investment between 2021 Vs 2022

Sector	Count
Food Processing	9
Solar and Other R...	6
Agro based incl C...	4
Others	4
Beverages	2
Engineering	2
Plastic and Rubber	2
Cement, Cement ...	1
Paper and Printing	1
Pharmaceuticals a...	1
R&D	1
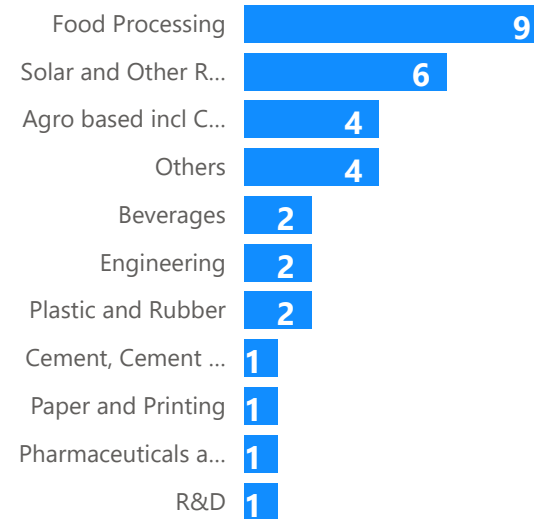
In 2022, highest investment made in Plastic & Rubber sector where as in 2020 & 2021 Known for Covid-19, most of government investment is in Pharma sector

While comparing big increase in investment by sector in multiple district Food Processing and Solar & Other Renewable Energy sector is more focused in 2022 vs 2021

Stamp Registration Questionnaire:-

1. How does the revenue generated from document registration vary across districts in Telangana? List down the top 5 districts that showed the highest document registration revenue growth between FY 2019 and 2022.

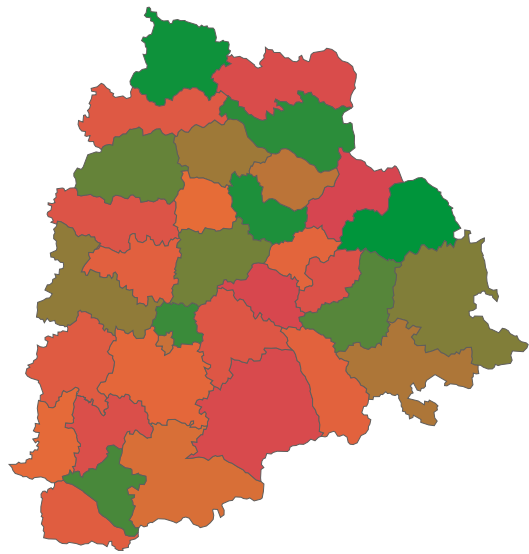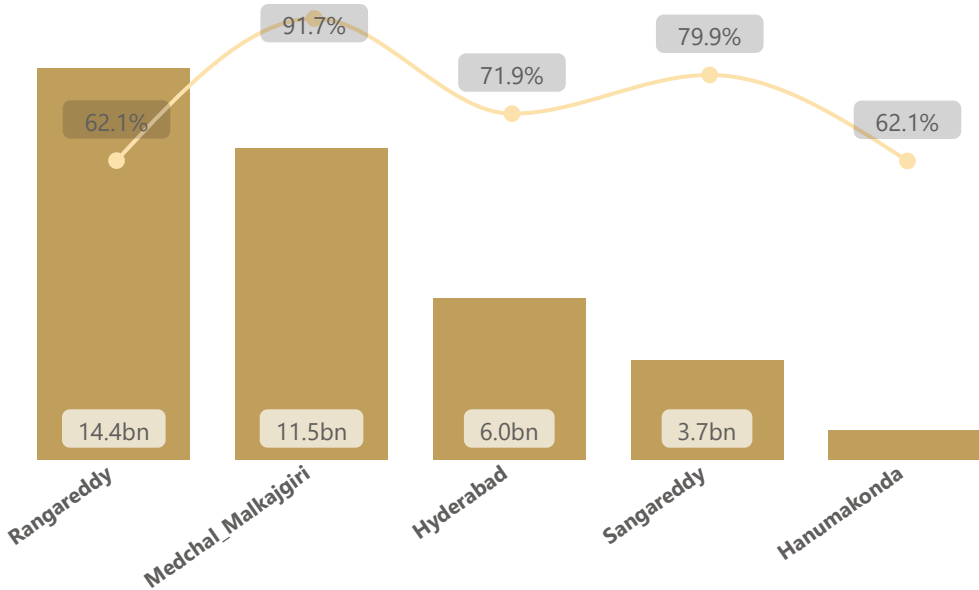**Ans.** If we compare Revenue based on Documents 2019 Vs 2022 following top 5 Districts have high revenue Rangareddy, Medchal_Malkajgiri, Hydrabad, Sangareddy and Hanumakonda

Revenue Per District by Document_% 2019 Vs 2022

Top 5 District 2019 Vs 2022 Document Revenue Change

District	Value	Percentage
Rangareddy	14.4bn	62.1%
Medchal_Malkajgiri	11.5bn	91.7%
Hyderabad	6.0bn	71.9%
Sangareddy	3.7bn	79.9%
Hanumakonda		62.1%

2. How does the revenue generated from document registration compare to the revenue generated from e-stamp challans across districts? List down the top 5 districts where e-stamps revenue contributes significantly more to the revenue than the documents in FY 2022?

Ans. Percentage share of Document and eStamp per district is close to 50% by revenue share in 2022 but hese top 5 districts which have estamp share higher than document revenue
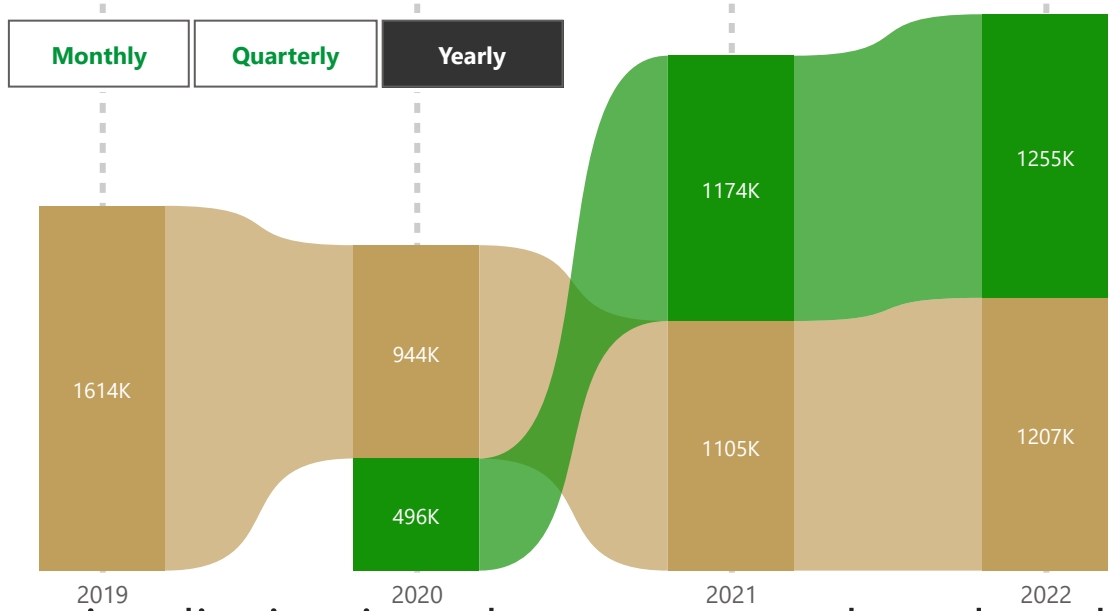
Top 5 eStamp Share% Vs Documention 2022 by district

District	Share
Jangoan	50.6%
Nirmal	50.5%
Mancherial	50.5%
Rangareddy	50.4%
Kamareddy	50.4%
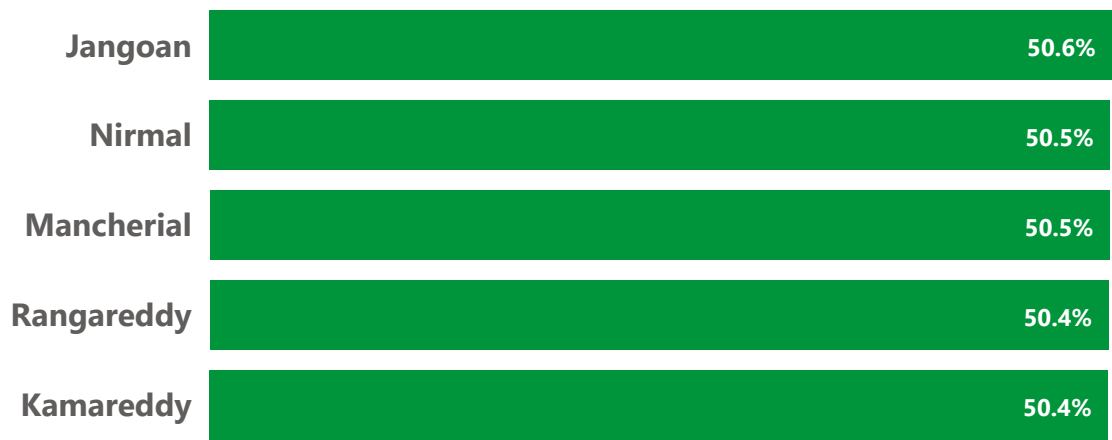
3. Is there any alteration of e-Stamp challan count and document registration count pattern since the implementation of e-Stamp challan? If so, what suggestions would you propose to the government?

Ans. Since COVID-19 in 2109 & 2020 government eservice starts((Fiscal year 2020) and in no time eStamp count higher than document count(since 2021). In 2022 fiscal year most of districts document count is slight lesser than eStamp but in round figure both have 50% share of total revenue. Recommendation is to promote more eStamp service than document due to easy to implement and easy for consumer to use. Only awareness is required to use it

Count of Document & eStamp

Monthly | Quarterly | **Yearly**

Year	Value 1	Value 2
2019	1614K	
2020	944K	496K
2021	1174K	1105K
2022	1255K	1207K

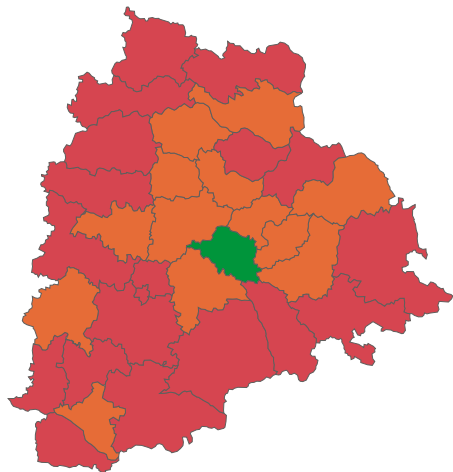**4.** Categorize districts into three segments based on their stamp registration revenue generation during the fiscal year 2021 to 2022.

Ans. Jangoan district have highest revenue in terms of percentage increase

Revenue Per District 2021 Vs 2022

Revenue	Legend
High Revenue	>66.6%
Medium Revenue	>33.3% to <=66.6%
Low Revenue	<=33.3%

Transport Questionnaire:-

5.Investigate whether there is any correlation between vehicle sales and specific months or seasons in different districts. Are there any months or seasons that consistently show higher or lower sales rate, and if yes, what could be the driving factors? (Consider Fuel-Type category only)

Ans. From fiscal year 2019 to 2021, October was the month when most of the vehicles sold where as in same time lowest month sales is not fixed and varies every year. Now in Fiscal year 2022, highest sales month changed from October to Mar which is an interesting to check why this happen- and major factor can be in crease in gasoline price and government support on EV's. There are many more factors which is mentioned in "Factors" sheet

**Fiscal Years High and Low Sales Month**

fiscal_year	Highest Sales Month ▼	Lowest Sales Month
2019	**Oct**	**Sep**
2020	**Oct**	**Apr**
2021	**Oct**	**May**
2022	**Mar**	**Feb**

6. How does the distribution of vehicles vary by vehicle class (MotorCycle, MotorCar, AutoRickshaw, Agriculture) across different districts? Are there any districts with a predominant preference for a specific vehicle class? Consider FY 2022 for analysis.

Ans. Majority of Districts preferred vehicle is MotorCycle ~70%. And 2nd highest vehicle type is MotorCar. In MotorCar category Rangareddy 32% and Medchal_Malkajgiri 27%

Fiscal Year 2022 Vehicle Distribution

● MotorCycle ● MotorCar ● Agriculture ● AutoRickshaw
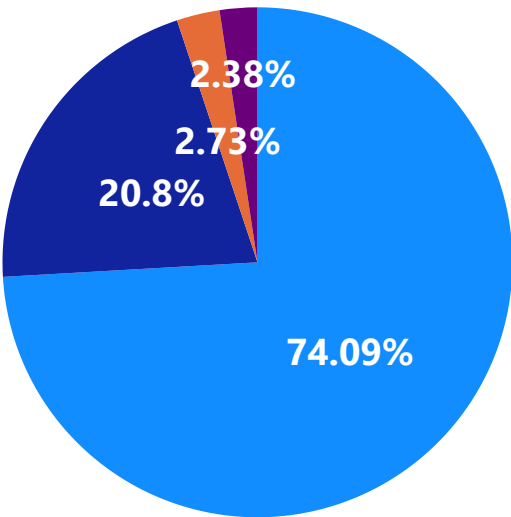
7. List down the top 3 and bottom 3 districts that have shown the highest and lowest vehicle sales growth during FY 2022 compared to FY 2021? (Consider and compare categories: Petrol, Diesel and Electric)

Ans. Comparing EV sales in 2022 Vs 2021, all districts have +ve growth in sales rate. Decline in sales of Petrol & Diesel Vehicle started from 2021. In Petrol and Diesel category warangal district have highest decrease in vehicle sales and Karimnagar have highest growth in Diesel vehicle sales

Diesel Vehicle Sales 2021 Vs 2022
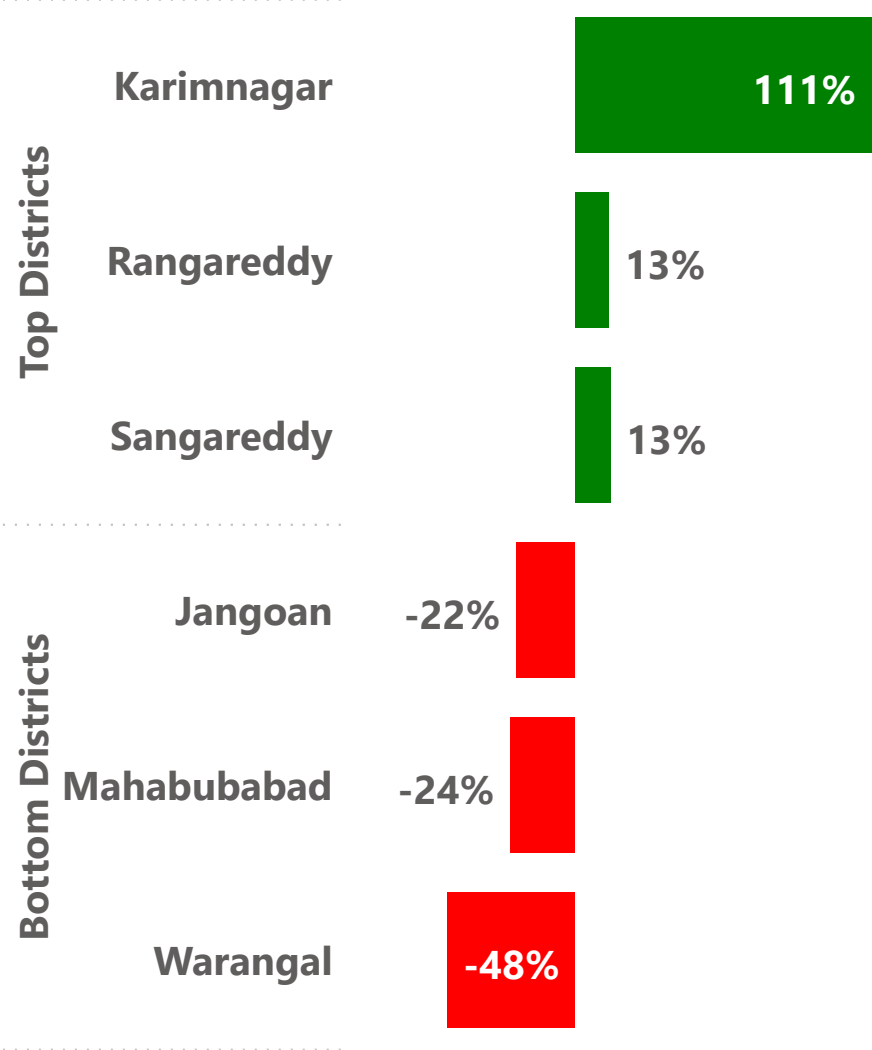
Petrol Vehicle Sales 2021 Vs 2022
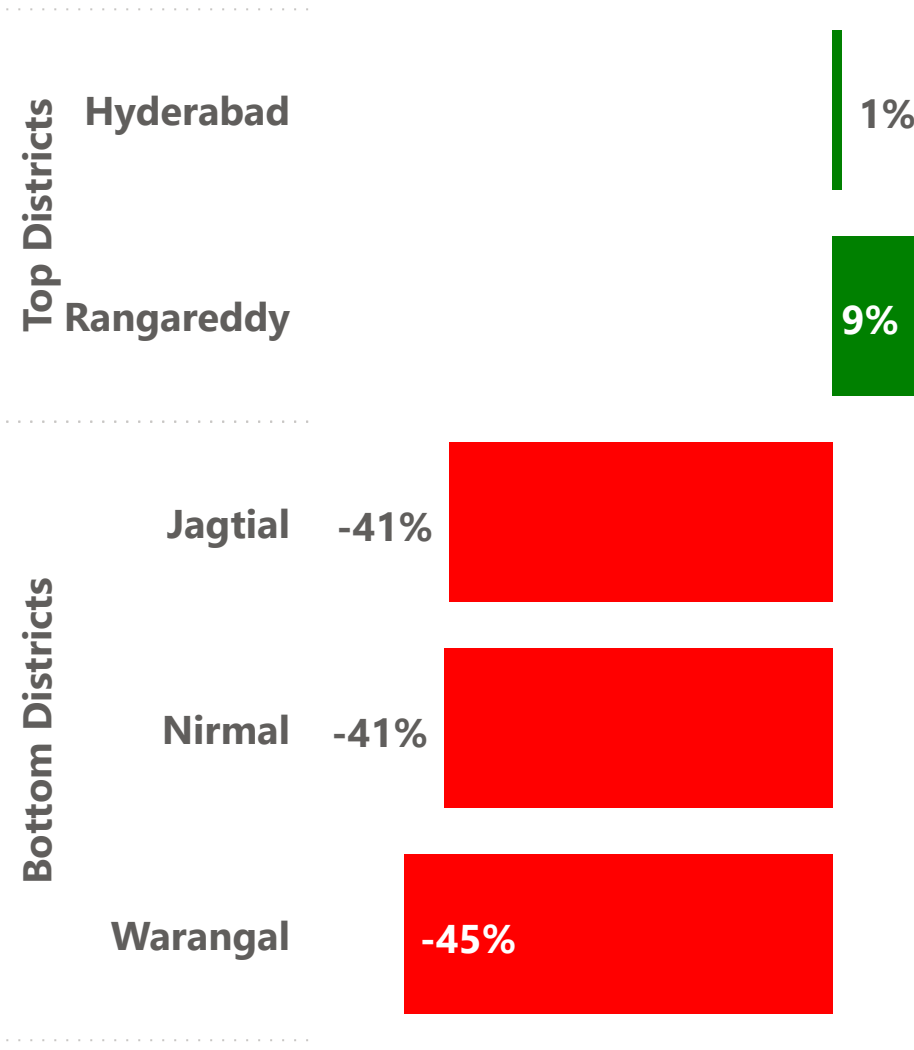
EV Vehicle Sales 2021 Vs 2022

Investment Questionnaire:-

8. List down the top 5 sectors that have witnessed the most significant investments in FY 2022.

Investment(Cr) by sector in Fiscal Year 2022

9. List down the top 3 districts that have attracted the most significant sector investments during FY 2019 to 2022? What factors could have led to the substantial investments in these particular districts?

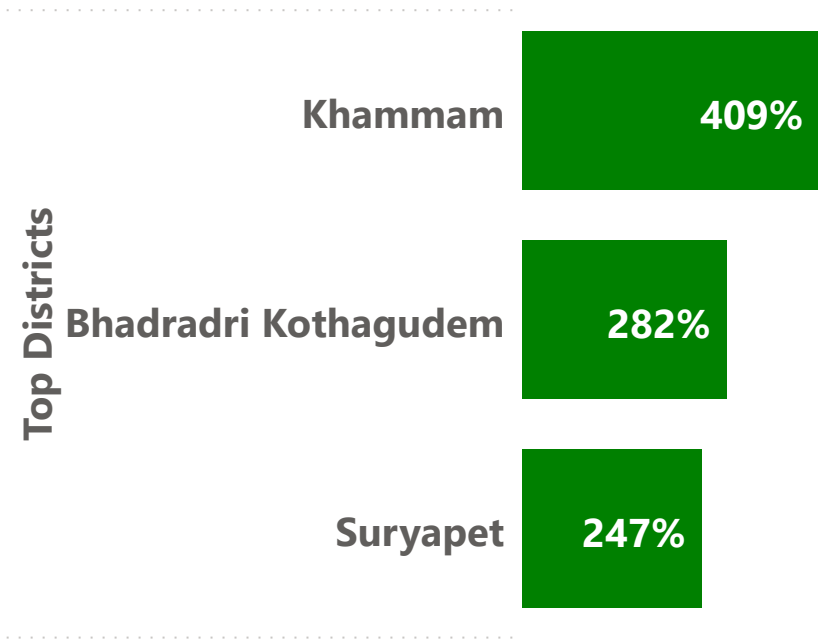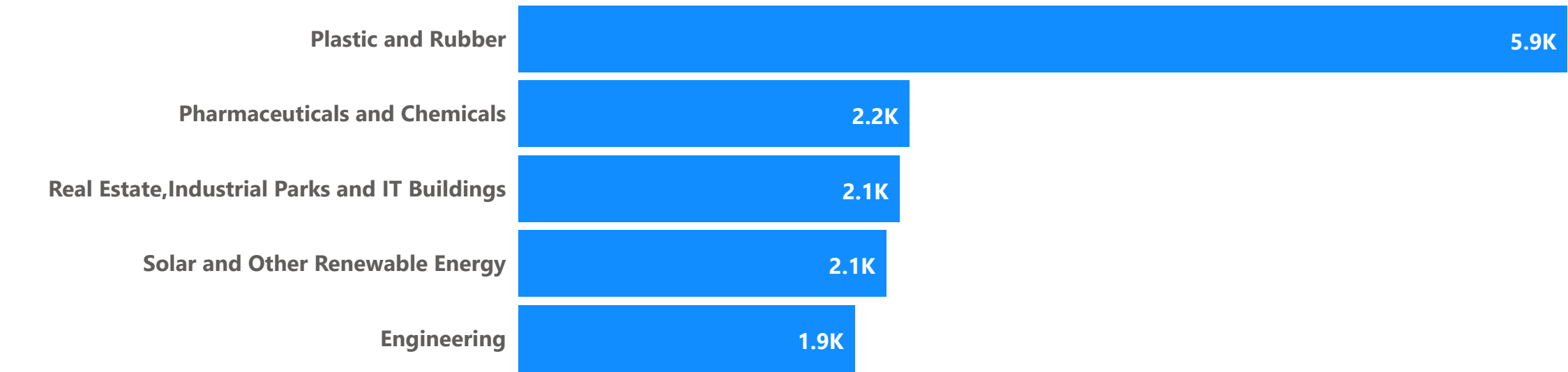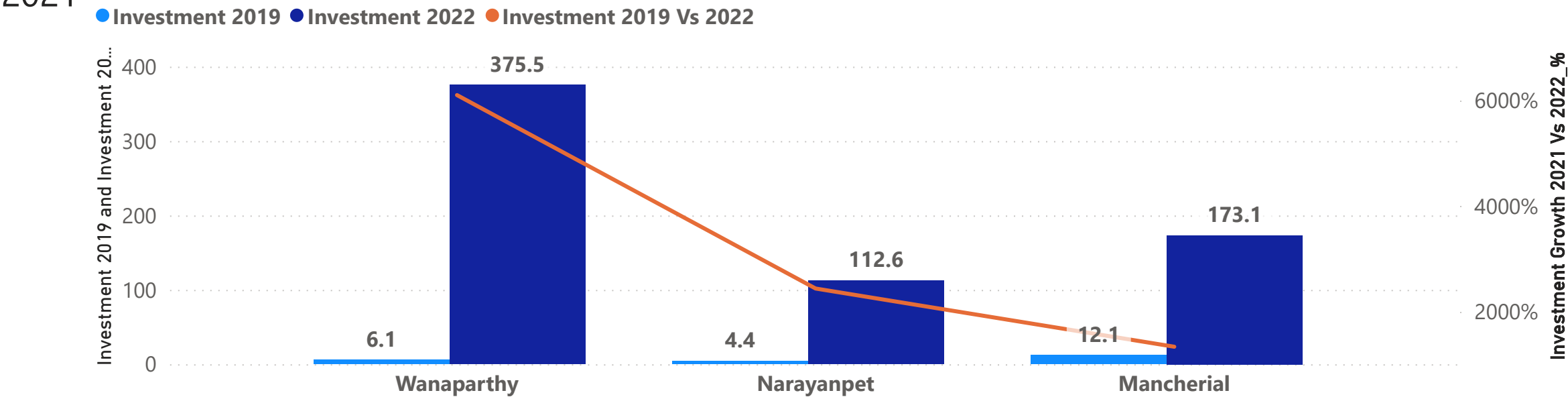**Ans.** Wanaparthy, Narayanpet & Mancherial districts are top 3 districts where Investment in 2022 increased more than 1300% w.r.t 2021

10. Is there any relationship between district investments, vehicles sales and stamps revenue within the same district between FY 2021and 2022?

Ans. There is no pattern observe between district investments, vehicles sales and stamps revenue within the same district between FY 2021and 2022 except Rangareddy district where investment and revenue is vey high

Investment & Revenue 2021 Vs 2022 by District
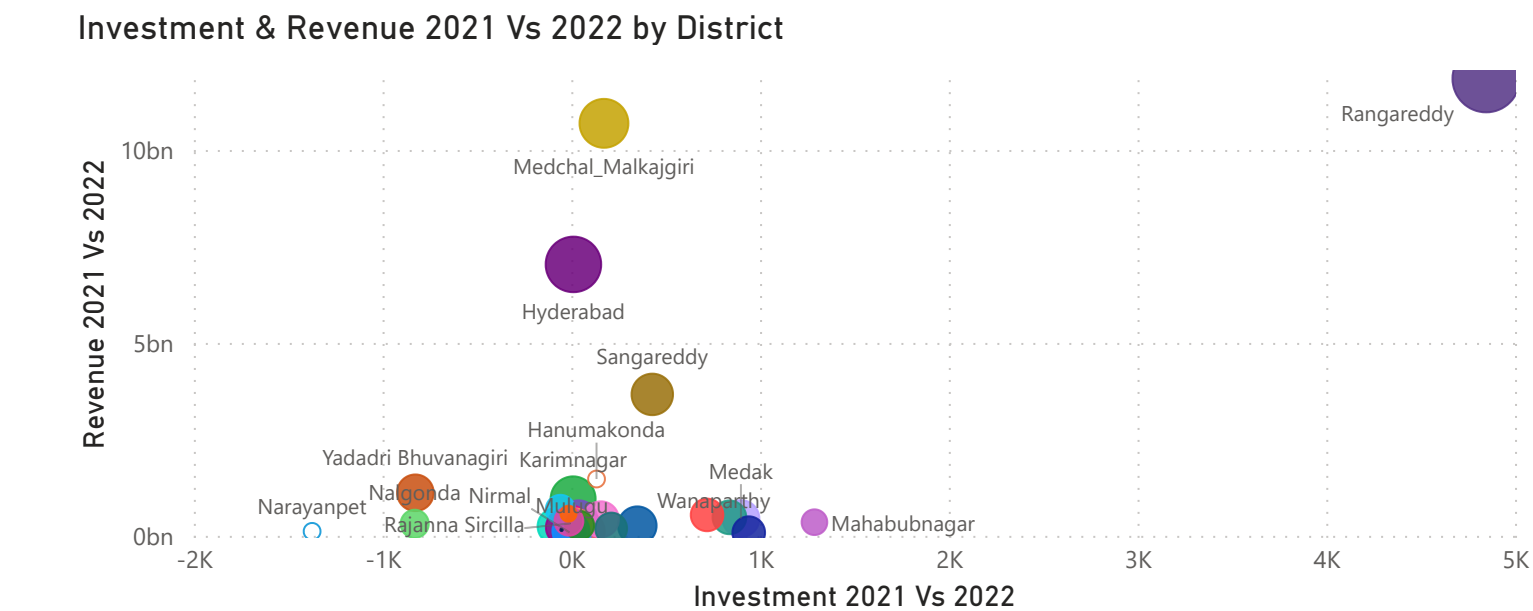
11. Are there any particular sectors that have shown substantial investment in multiple districts between FY 2021 and 2022?

Ans. Food Processing and Green Energy is top sector where investment is high in multiple districts

#District by Sector with Highest Investment between 2021 Vs 2022
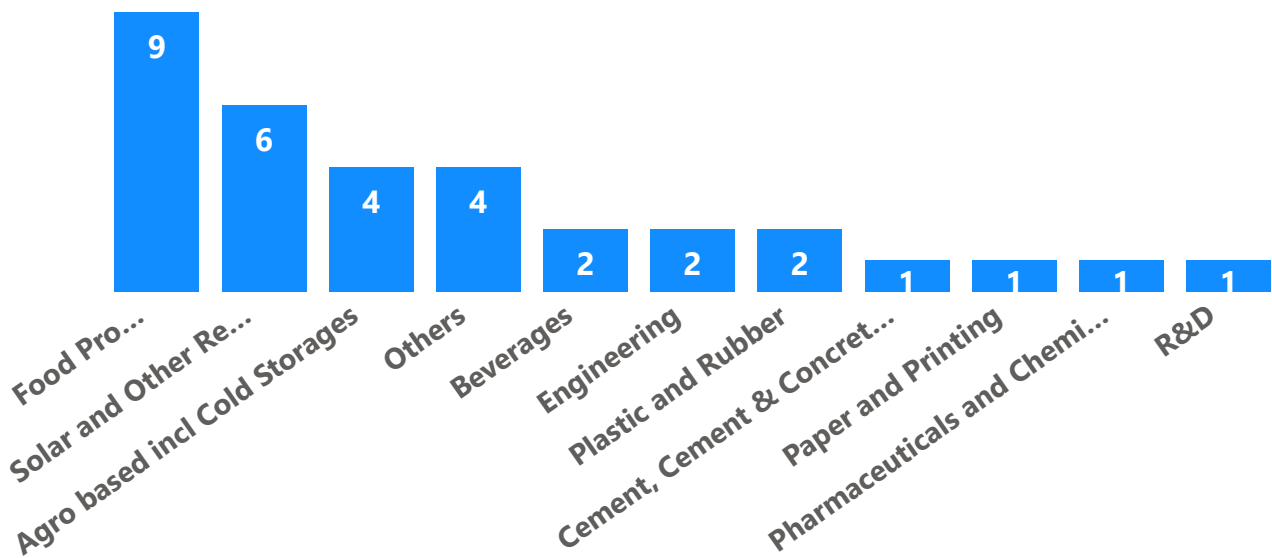
12. Can we identify any seasonal patterns or cyclicality in the investment trends for specific sectors? Do certain sectors experience higher investments during particular months?

Ans. There is no specific pattern observe where we can see in specific month investment is high in every fiscal year

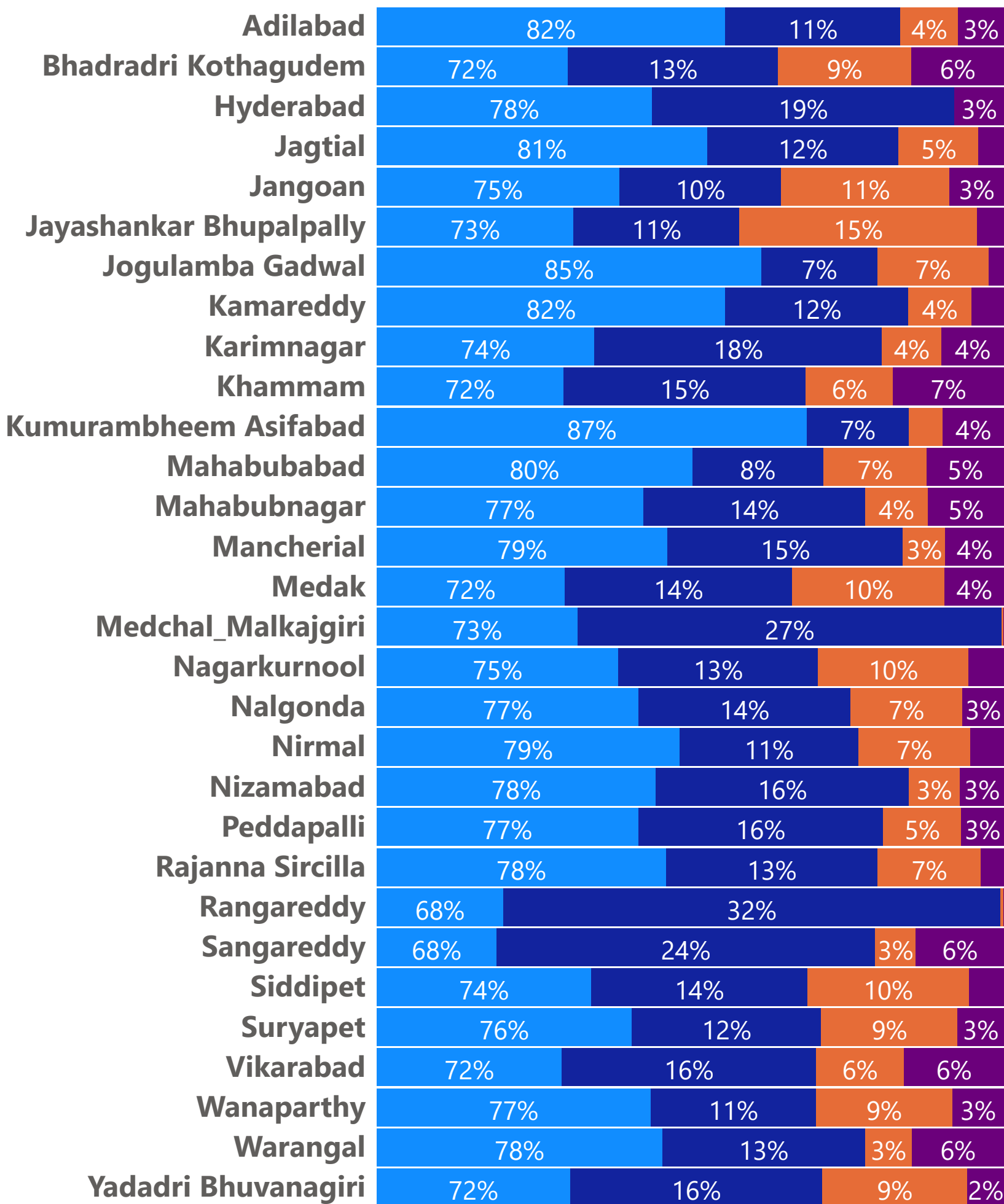| Month Name	2019	2020	2021	2022
Jan	Real Estate,Industrial Parks and IT Buildings	Real Estate,Industrial Parks and IT Buildings	Beverages	Plastic and Rubber
Feb	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	Beverages	Engineering
Mar	Real Estate,Industrial Parks and IT Buildings	Plastic and Rubber	Real Estate,Industrial Parks and IT Buildings	Plastic and Rubber
Apr	Real Estate,Industrial Parks and IT Buildings	Granite and Stone Crushing	Plastic and Rubber	Solar and Other Renewable Energy
May	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	R&D	Beverages
Jun	Cement, Cement & Concrete Products, Fly Ash Bricks	Solar and Other Renewable Energy	Plastic and Rubber	Agro based incl Cold Storages
Jul	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	Pharmaceuticals and Chemicals	Paper and Printing
Aug	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	Pharmaceuticals and Chemicals	Real Estate,Industrial Parks and IT Buildings
Sep	Pharmaceuticals and Chemicals	Textiles	Pharmaceuticals and Chemicals	Solar and Other Renewable Energy
Oct	Real Estate,Industrial Parks and IT Buildings	Textiles	Pharmaceuticals and Chemicals	Granite and Stone Crushing
Nov	Paper and Printing	Solar and Other Renewable Energy	Pharmaceuticals and Chemicals	Real Estate,Industrial Parks and IT Buildings
Dec	Fertlizers Organic and Inorganic,Pesticides,Insecticid	Pharmaceuticals and Chemicals	Pharmaceuticals and Chemicals	Plastic and Rubber

High Vehicle Sales:

1. **Economic Growth:** A booming economy with rising income levels can lead to higher vehicle sales as people have more disposable income to spend on cars and motorcycles.
2. **Urbanization:** As urban areas in Telangana continue to grow, there is an increased demand for personal vehicles due to improved job opportunities, convenience, and commuting challenges.
3. **Infrastructure Development:** Better road networks, expressways, and infrastructure development can make owning a vehicle more attractive and feasible.
4. **Government Policies:** Government incentives, subsidies, or tax breaks for vehicle purchases can boost sales. Similarly, changes in vehicle taxation can also impact buying decisions.
5. **Consumer Confidence:** High consumer confidence often results in increased spending on big-ticket items like vehicles.
6. **New Models and Features:** The launch of new vehicle models with advanced features can stimulate sales as consumers look to upgrade.

Low Vehicle Sales:

1. **Economic Downturn:** During economic recessions or financial crises, people tend to postpone or cancel big-ticket purchases like vehicles, leading to a decrease in sales.
2. **Fuel Prices**: High fuel prices can deter people from buying vehicles, especially if they are concerned about the ongoing cost of ownership.
3. **Environmental Concerns:** Increasing awareness of environmental issues may lead to a preference for public transportation, carpooling, or eco-friendly vehicles, reducing overall sales.
4. **Government Regulations:** Stricter emission standards or regulations discouraging the use of older vehicles can negatively affect sales, particularly for older, less fuel-efficient vehicles.
5. **Ridesharing Services:** The popularity of ridesharing services like Uber and Ola can reduce the need for personal vehicles, especially in urban areas.
6. **Cultural Shifts:** Changing cultural norms, such as a preference for living in walkable neighborhoods, can reduce the need for personal vehicles.
7. **Supply Chain Disruptions:** Global supply chain disruptions, as seen during the COVID-19 pandemic, can lead to a shortage of vehicles and components, limiting sales.
8. **High Interest Rates:** High-interest rates on auto loans can discourage potential buyers.
9. **Local Factors:** Specific local factors like strikes, natural disasters, or political instability can impact vehicle sales in Telangana.

** It's important to note that vehicle sales are influenced by a complex interplay of these factors, and the relative importance of each can vary over time. Manufacturers, dealerships, and policymakers closely monitor these dynamics to adapt their strategies accordingly.

Legend: ● MotorCycle ● MotorCar ● Agriculture ● AutoRickshaw

District	MotorCycle	MotorCar	Agriculture	AutoRickshaw
Adilabad	82%	11%	4%	3%
Bhadradri Kothagudem	72%	13%	9%	6%
Hyderabad	78%	19%		3%
Jagtial	81%	12%	5%	
Jangoan	75%	10%	11%	3%
Jayashankar Bhupalpally	73%	11%	15%	
Jogulamba Gadwal	85%	7%	7%	
Kamareddy	82%	12%	4%	
Karimnagar	74%	18%	4%	4%
Khammam	72%	15%	6%	7%
Kumurambheem Asifabad	87%	7%		4%
Mahabubabad	80%	8%	7%	5%
Mahabubnagar	77%	14%	4%	5%
Mancherial	79%	15%	3%	4%
Medak	72%	14%	10%	4%
Medchal_Malkajgiri	73%	27%		
Nagarkurnool	75%	13%	10%	
Nalgonda	77%	14%	7%	3%
Nirmal	79%	11%	7%	
Nizamabad	78%	16%	3%	3%
Peddapalli	77%	16%	5%	3%
Rajanna Sircilla	78%	13%	7%	
Rangareddy	68%	32%		
Sangareddy	68%	24%	3%	6%
Siddipet	74%	14%	10%	
Suryapet	76%	12%	9%	3%
Vikarabad	72%	16%	6%	6%
Wanaparthy	77%	11%	9%	3%
Warangal	78%	13%	3%	6%
Yadadri Bhuvanagiri	72%	16%	9%	2%

Month Name	2019	2020	2021	2022
Jan	Real Estate,Industrial Parks and IT Buildings	Real Estate,Industrial Parks and IT Buildings	Beverages	Plastic and Rubber
Feb	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	Beverages	Engineering
Mar	Real Estate,Industrial Parks and IT Buildings	Plastic and Rubber	Real Estate,Industrial Parks and IT Buildings	Plastic and Rubber
Apr	Real Estate,Industrial Parks and IT Buildings	Granite and Stone Crushing	Plastic and Rubber	Solar and Other Renewable Energy
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Jun	Cement, Cement & Concrete Products, Fly Ash Bricks	Solar and Other Renewable Energy	Plastic and Rubber	Agro based incl Cold Storages
Jul	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	Pharmaceuticals and Chemicals	Paper and Printing
Aug	Real Estate,Industrial Parks and IT Buildings	Pharmaceuticals and Chemicals	Pharmaceuticals and Chemicals	Real Estate,Industrial Parks and IT Buil
Sep	Pharmaceuticals and Chemicals	Textiles	Pharmaceuticals and Chemicals	Solar and Other Renewable Energy
Oct	Real Estate,Industrial Parks and IT Buildings	Textiles	Pharmaceuticals and Chemicals	Granite and Stone Crushing
Nov	Paper and Printing	Solar and Other Renewable Energy	Pharmaceuticals and Chemicals	Real Estate,Industrial Parks and IT Buil
Dec	Fertlizers Organic and Inorganic,Pesticides,Insecticides, and Other Related	Pharmaceuticals and Chemicals	Pharmaceuticals and Chemicals	Plastic and Rubber