

# Stamp Registration

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.

Document Registration revenue:	Rangareddy , Medchal, Hyderabad, Sangareddy, Hanumakonda
Registration Revenue per person:	Rangareddy, Medchal, Sangareddy, Hyderabad, Yadadri
Registration revenue Growth%:	Mulugu, Adilabad, Karimnagar, Mancherial, Medchal

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?

Revenue Difference :	Rangareddy, Hyderabad, Khammam, Hanumakonda, Yadadri
Revenue% Difference :	Jangoan, Nirmal, Mancherial, Rangareddy, Kamareddy

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?

Ever since e stamp was introduced it had outperformed document registration in every single year.

And Increasing number of e-stamps are a positive sign as these are fast and cost effective, environment friendly, more transparent, secured and reduce the risk of forgery. So it l advisable to promote e-stamps through spreading awareness and educating people to use digital stamps especially in rural areas.

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

1st Segment (Revenue Greater than 2billion): Rangareddy, Medchal, Hyderabad, Sangareddy, Hanumadonda.

2nd Segment (Revenue between 500 million and 2billion): Khammam, Yadadri, Nalgonda, Nizamabad, Karimnagar, Mahabubnagar, Suryapet, Siddipet, Peddapalli

3rd Segment (Revenue Less than 500 Million): Jagtial, Mancherial, Medak, Kamareddy, Nagarkurnool, Vikarabad, Adilabad, Wanaparthy, Nirmal, Rajanna, Jogulamba, Jangoan, Mahabubabad, Bhadradi, Narayanpet, Warangal, Mulugu, Asifabad.

# Transportation

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)

Higher Sales: October	Reason: Festival Season
Lower Sales: April and May	Reason: Lockdown.

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.

Autorickshaws:	SangaReddy and Warangal.
Agriculture Vehicles:	Jayshankar, Medak, Nagarkurnool, Nalgonda, Siddipet, Suryapet and Yadadri.

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)

All categories, Top 3 districts:	RangaReddy, Karimnagar, Hyderabad
Bottom 3 districts:	Warangal, Jagtial, Nirmal
For Diesel	Top 3 districts: RangaReddy, Hyderabad, Medchal
Bottom 3 districts:	Warangal, Nirmal, Jagtial
For Petrol	Top 3 districts: Karimnagar,SangaReddy, RangaReddy
Bottom 3 districts:	Warangal, Mahabubabad, Jangaon.
For Electric	Top 3 districts: Khammam, Bhadradi, Suryapet.
Bottom 3 districts:	Mancherial, Rajanna, Wanaparthy

# Ts-Ipass

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

Top 5 Sectors are: Plastic and rubber, Pharmaceuticals and chemicals, Real estates, Solar and renewable, Engineering.

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?

Top 3 districts are RangaReddy, SangaReddy and Medchal.

All new development projects and being built in the peripheral of Hyderabad and these 3 districts are Hyderabad's neighbours so all the investments which are coming are either into these 3 districts especially to RangaReddy, as Hyderabad's Hitech city including projects like t-hub and also Ramoji film city comes under the jurisdiction of RangaReddy.

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

There are certain corelation between these 3 parameters. Correlation between vehicle sales and stamp revenue is the strongest. So, overall, we can say that districts with higher investment has higher vehicle sales and higher stamp revenue.

11. Are there any particular sectors that have shown substantial investment in multiple districts between FY 2021 and 2022?

Sectors showing substantial investments in multiple districts between FY 2021 and 2022 are:	Pharmaceuticals and Chemicals, Plastics and Rubber, Engineering, Food Processing, Beverages
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12. Can we identify any seasonal patterns or cyclicalty in the investment trends for specific sectors? Do certain sectors experience higher investments during particular months?

Sectors that shows some seasonal pattern:

1. Food processing we can see a trend where investments are going higher as it approaches the 3rd quarter that is from oct to dec then it starts to decrease and increases again.

2. Textile we can see a higher investment in September in first two years

3. Wood and leather we can see a higher investment is September in last two years.

# Secondary Research

1. What are the top 5 districts to buy commercial properties in Telangana? Justify your answer

Top 5 districts to buy properties are: RangaReddy, Medchal, SangaReddy, Warangal, Jayashankar

A global real-estate service company JLL in its city momentum 2020 index ranked Hyderabad as the most dynamic city amongst 130 cities across the globe. Hyderabad also ranked number 1 in terms of office demand. Per square feet cost is also steadily increasing quarter by quarter. and expected a return of 10.6 % year on year. According to the same report the key areas where real-estate values are rising are Western suburban's which means the part of Hyderabad that is spread towards RangaReddy and SangaReddy, Northern suburban's which comes in Medchal district.

2. What significant policies or initiatives were put into effect to enhance economic growth, investments, and employment in Telangana by the current government? Can we quantify the impact of these policies using available data?

Telangana had constructed the world Largest Lift Irrigation Project and agricultural support policies like the Rythu Bandhu Scheme, insurance policies (Rythu Bima), and 24\*7 free power supply to the agriculture resulted a growth of 14% from Rs.76 thousand crores in 2014 to more than 2 lakh crores in 2022. Not only that Telangana is the first large state in the country to achieve 100% coverage of functional water tap connections in all rural habitations.

The female Labour participation is 50% which is one of the highest and 15% higher than national average of 35%. Under the KCR Kit scheme, mothers are being provided with the financial assistance of Rs.12,000 and Rs.13,000 for a girl child, to compensate for the loss of wages by the women during the pregnancy and postnatal period. Infant Mortality Rate has fallen by 40%, from 35 in 2014 to 21 in 2020.

The state hosted T-Hub 2.0, the world's largest innovation campus with a capacity to facilitate over 4000 startups. It also has 19 other state supported incubators such as IT-Hub, J-Hub, T-Work and WE-Hub specially for women Entrepreneurs. More than 6600 startups are registered in Telangana out of which 356 are seed funded startups and 4 unicorns. Per capita revenue receipt is more than Rs. 27000, one of highest among Indian states. The state's Tax-to-GSDP ratio is the second highest among Indian states. Unemployment rate has declined from 7.5% to 5.1% among the working age population. The state has installed over 10 lakh CCTV surveillance cameras, earning Hyderabad the 16th rank among the most surveilled cities globally.

3. Provide top 5 Insights & 5 recommendations to Telangana government for sustained growth in the next 5 years based on your analysis

1st indicator is debt to GSDP ratio which is nothing but total debt of a state divided by total GDP. Here Telangana may not be in the danger zone but for the best performing sates like Gujrat, Maharashtra and Odisha this % is coming down, for Telangana it is remaining constant at 25%.

2nd indicator is interest payment to revenue receipt here also Telangana is performing Moderate at 11% while its neighbour state Odisha is at 4.3%.

3rd is Fiscal Deficit which is nothing but Governments total Expenditure minus total Revenue. Here also it is performing moderate at 3.9%.

Next, I would like to focus is on Hyderabad Metro which incurred a loss of 1315 crore in FY22-23. And currently metro is covering only few locations and expanding further more would become challenging if they don't get profitable in upcoming years.

Lastly, I want to focus on Telangana's overdependency on its capital city Hyderabad. As state's economy would grow the demand for more high-class cites would arise in future. So, Government should start planning for the same