



TELANGANA STATE GROWTH ANALYSIS



Registration & Stamp
Department



TS - iPASS
Department



Transport
Department

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Telangana Insights Dashboard

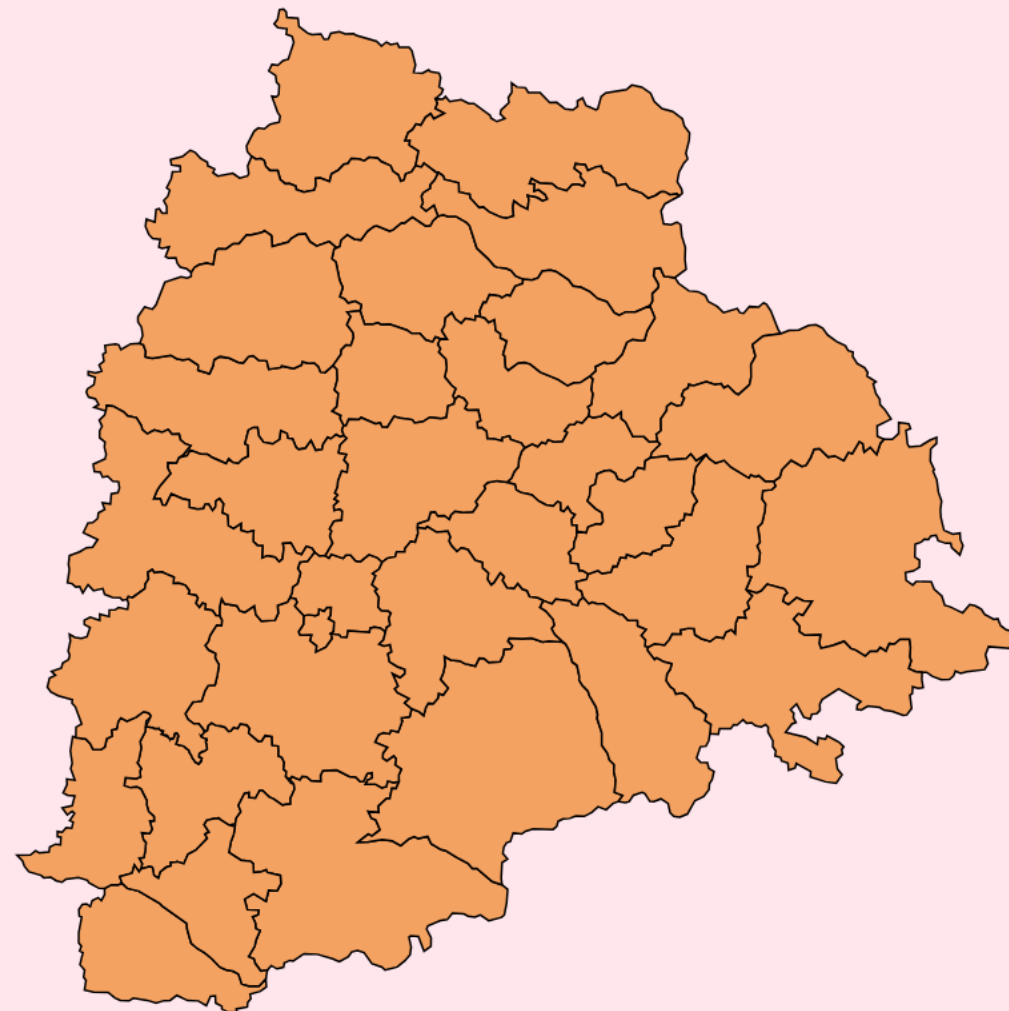
Dive deep into the fiscal dynamics of Telangana, exploring the intricacies of e-stamp revenue, transportation trends, and industrial investments. This dashboard provides a comprehensive analysis of district-wise e-stamp contributions, vehicle sales patterns, and the impact of the Ts-Ipass system on sectoral investments. Uncover the top-performing districts, discern seasonal fluctuations, and understand the interplay between various revenue streams in the state for FY 2019-2022.

For additional insights:

- In-depth Analysis
- Statistical Analysis
- Predictive Analysis

Jupyter notebook

GitHub

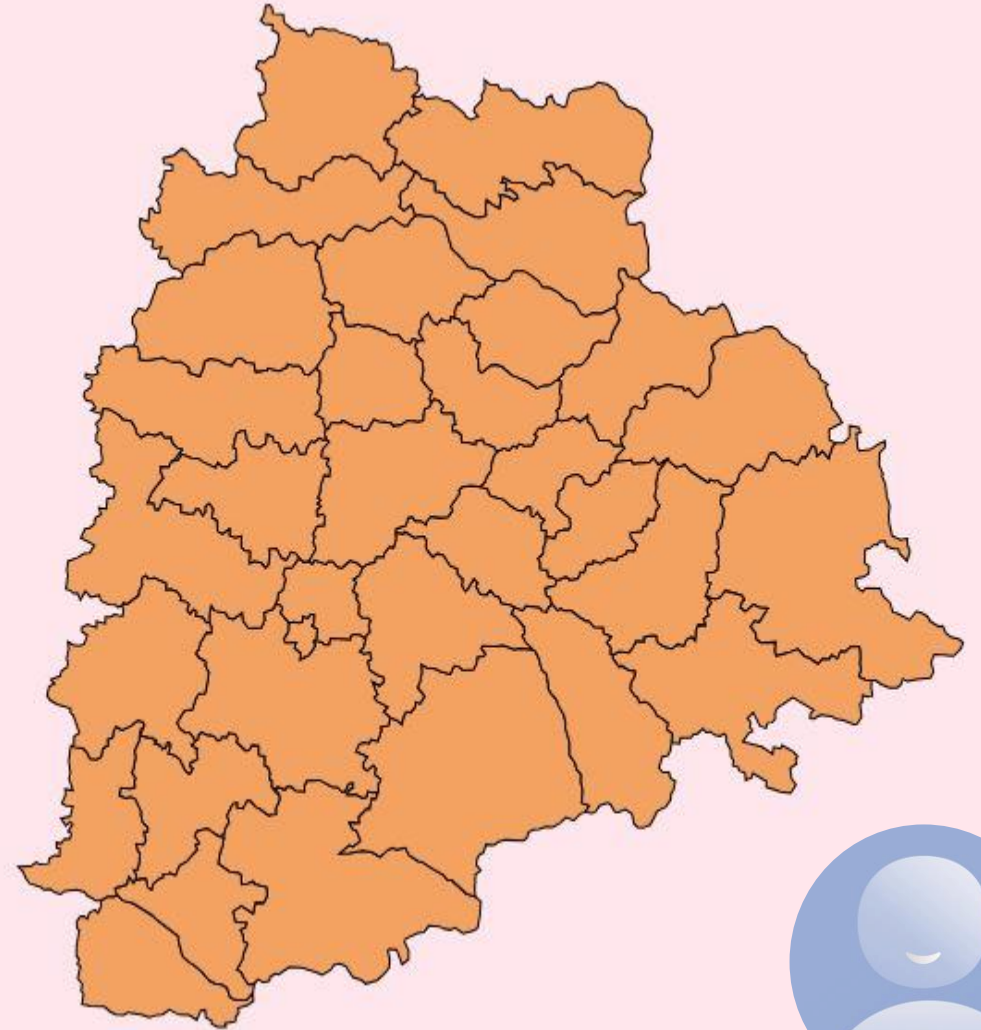




TELANGANA STATE GROWTH ANALYSIS



**An Insightful
Exploration of
Stamp Registration,
Transportation, and
Ts-Ipass Datasets**



Presented by: Naveen Kumar





TELANGANA STATE GROWTH ANALYSIS



Agenda

Stamp Registration

•Exploration of Revenue Generation:

- Analysis of revenue variation across districts.
- Identification of top 5 districts with highest growth.

•E-Stamp vs Document Registration:

- Comparative analysis of revenue sources.
- Insights into the impact of e-Stamp implementation.

•Strategic Recommendations:

- Suggestions for optimizing stamp registration processes.
- Identifying areas for improvement and growth.

Transportation

•Vehicle Sales Analysis:

- Correlation between vehicle sales and specific months/seasons.
- Insights into fuel-type category preferences.

•District-wise Distribution:

- Variation of vehicle classes across districts.
- Identification of districts with specific vehicle preferences.

•Growth Trends:

- Top and bottom districts in vehicle sales growth.
- Analysis of petrol, diesel, and electric vehicle trends.

Ts-Ipass

•Investment Insights:

- Identification of top sectors with significant investments.
- Analysis of district-wise investment attraction.

•Relationship Exploration:

- Study of the correlation between investments, vehicle sales, and stamp revenues.
- Insights into district and sector-specific trends.

•Seasonal Patterns:

- Analysis of investment trends across different months/seasons.
- Identification of sectors with cyclic investment patterns.



Stamps Registration



Transport Department



TS - iPASS

Introduction

Background



Telangana's Economic Landscape:

Telangana is one of the fastest-growing states in India, with an average annual growth rate of 13.90% over the last five years. The state's economy is diverse, with significant contributions from the service sector, agriculture, and industries.



Need for Analysis:

The state's rapid growth, fueled by sectors like IT and agriculture, necessitates an in-depth analysis of key datasets to understand the underlying trends, challenges, and opportunities.



Current Scenario:

With the state's GDP ranking 9th and a GDP growth of 11.2% in 2021-22, exploring datasets like Stamp Registration, Transportation, and Ts-Ipass can offer valuable insights to optimize growth strategies.

Objective



Data Exploration:

To delve into the intricate details of Stamp Registration, Transportation, and Ts-Ipass datasets, unraveling the attributes, categories, and time periods to derive actionable insights.



Trend Analysis:

To scrutinize the trends and patterns within each sector, aiming to unveil growth opportunities and areas that require attention and improvement.



Policy Impact:

To assess the influence of governmental policies and initiatives on these sectors, offering insights into their effectiveness and areas for enhancement.



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Stakeholder Problem Statements

- Revenue Variation Across Districts
- Document vs. E-Stamp Revenue
- E-Stamp Challan Impact
- District Categorization

Our Approach

- Data Analysis
- Visual Representations
- Power BI, Jupyter Notebook
- Strategic Recommendations

Data Integrity

- No data is available for September 2021
- The 'Jayashankar Bhupalpally' district data is missing



Overall Summary :

Documents Revenue

295.2bn

Documents Count

4.9M

E-Stamp Count

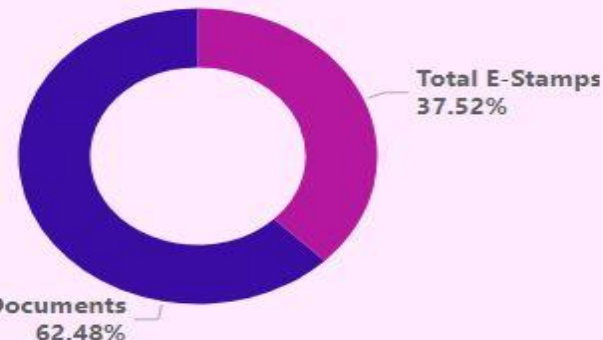
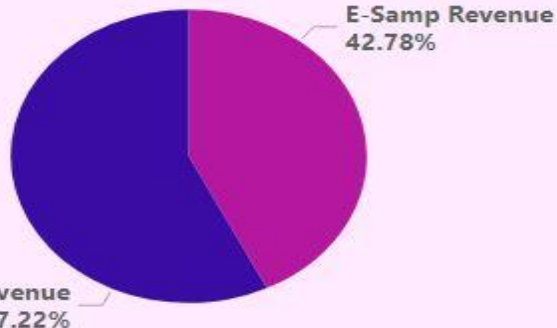
2.9M

E-Stamp Revenue

220.7bn

Total Revenue

515.9bn

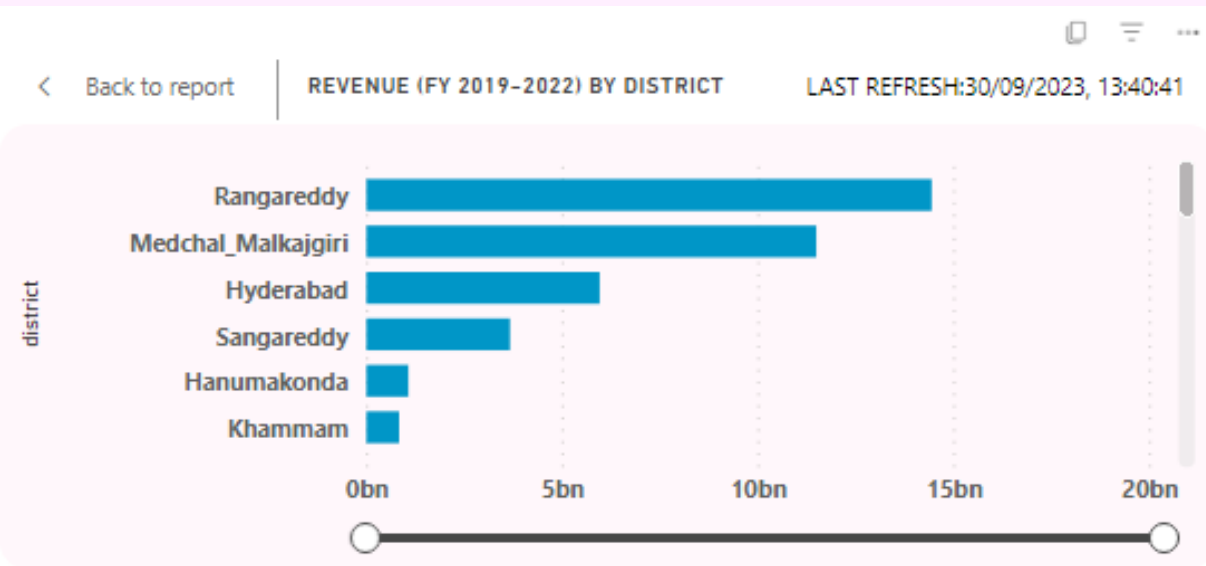


Revenue Growth (FY 2019-2022)



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Top Revenue Districts:

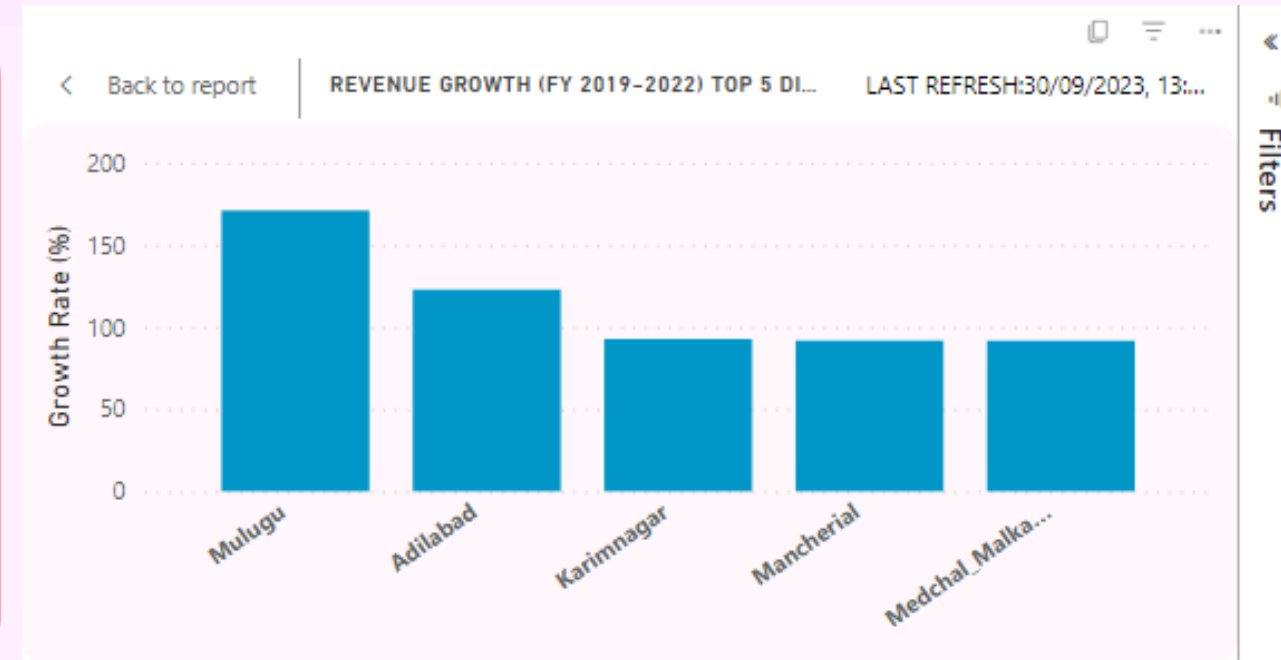
1. **Rangareddy**: Tops with ₹1,081.99B revenue.
2. **Medchal_Malkajgiri**: Generates ₹640.71B.
3. **Hyderabad**: Capital city, earns ₹383.97B.
4. **Sangareddy & Hanumakonda**: Contribute ₹220.25B and ₹79.27B respectively.

Lowest Revenue Districts:

1. **Kumurambheem Asifabad**: Lowest, ₹227.46M.
2. **Mulugu**: Earns ₹515.53M.
3. **Narayanpet**: Generates ₹722.27M.
4. **Warangal & Bhadradi Kothagudem**: Make ₹738.34M and ₹824.71M respectively.

Top Districts by Growth Rate (2019-2022)

- **Mulugu**: Despite its lower net revenue, Mulugu showed a massive growth rate of 170.94%.
- **Adilabad**: This district followed closely with a growth rate of 122.84%.
- **Karimnagar and Mancheri**: These districts also exhibited significant growth rates of 92.75% and 91.75%, respectively.
- **Medchal_Malkajgiri**: This district, being one of the top revenue generators, also showed a commendable growth rate of 91.68%.



Revenue Growth (FY 2019-2022)



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Analysis & Recommendations

Urban Centers Thrive

• **Rangareddy, Medchal_Malkajgiri, and Hyderabad** generate massive revenues due to their urbanization and proximity to Hyderabad, leading to higher document registrations.

Growth Opportunities

• **Mulugu and Adilabad** have lower revenues but show significant growth, indicating untapped development and investment potentials.

Addressing Low Performers

• **Kumurambheem Asifabad and Mulugu** require attention to understand and address their lower performance, potentially linked to less urbanization or socio-economic factors.

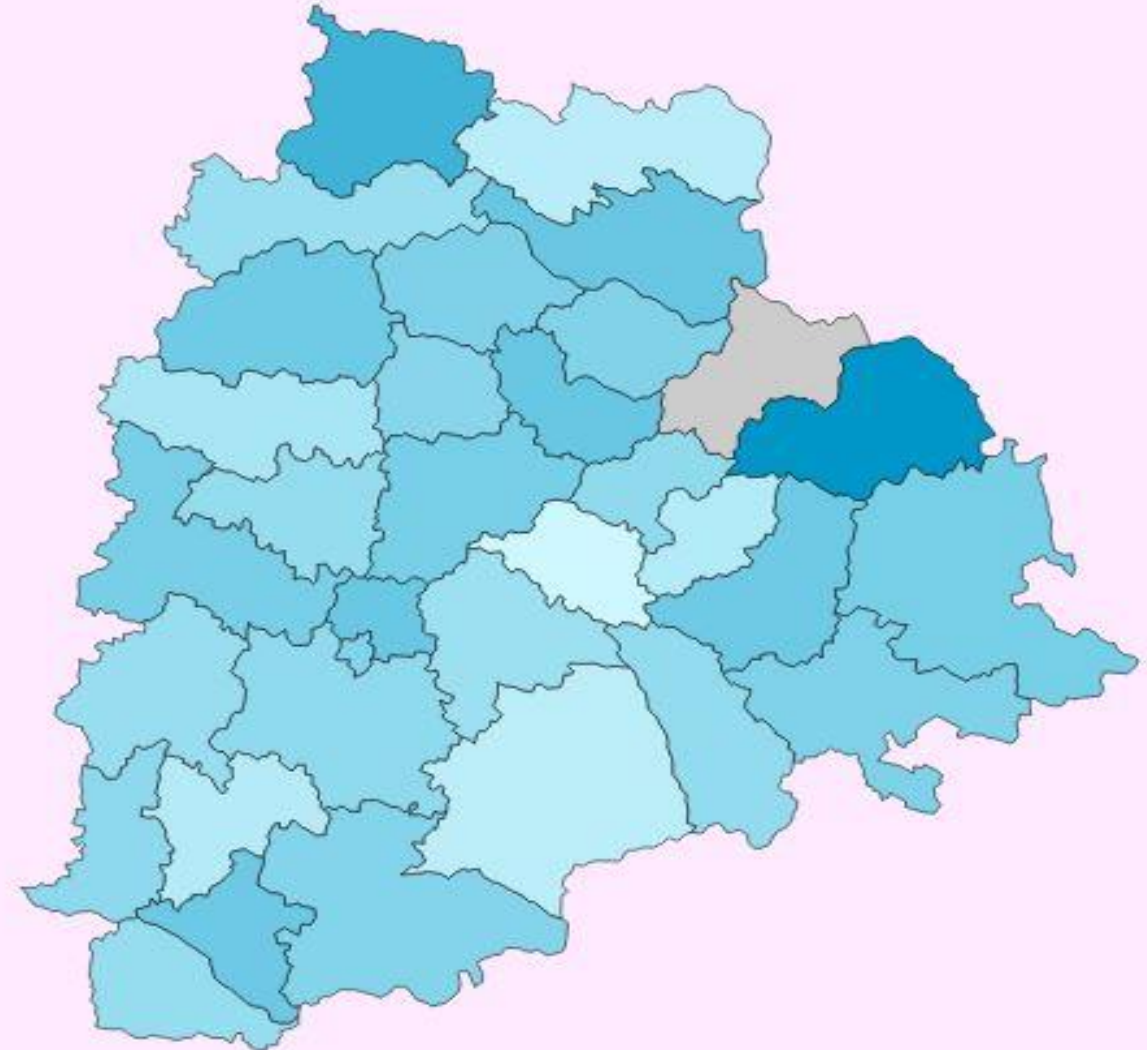
Data-Driven Strategies

• This revenue data is crucial for the government and investors to strategize investments and development plans effectively.

Conclusion

Revenue insights reveal economic activities and district development levels. Urban districts are thriving, while others show growth potential. Strategic investments, informed by this data, can enhance district development.

Note: All figures are approximate.



E-Stamp vs. Document Revenue Comparison FY 2022



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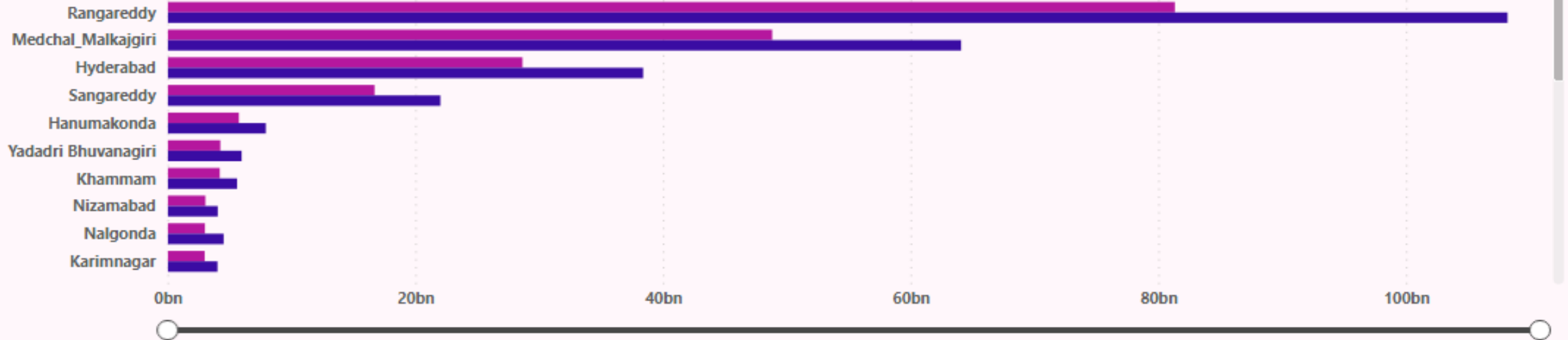


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E-STAMP VS. DOCUMENT REVENUE COMPARISON

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● E-Samp Revenue ● Documents Revenue



Top 5 Districts in FY 2022:

The districts where e-stamp revenue was significantly higher than document registration revenue are:

Rangareddy: With a difference of approximately 651.6 million.

Hyderabad: With a difference of approximately 108.3 million.

Khammam: With a difference of approximately 30.6 million.

Hanumakonda: With a difference of approximately 29.6 million.

Yadadri Bhuvanagiri: With a difference of approximately 17.8 million.

E-Stamp vs. Document Revenue Comparison FY 2022

Insights from External Source:

From the information gathered from Wikipedia regarding the districts of Telangana:

Rangareddy: This district surrounds the city of Hyderabad, the state capital. It is a major hub for IT companies and has seen rapid urbanization. The high e-stamp revenue might be attributed to the increasing number of property transactions and business activities in this district.

Hyderabad: Being the capital city and a major IT and business hub, it's not surprising that Hyderabad has a significant e-stamp revenue. The city witnesses a high number of property and business transactions.

Khammam, Hanumakonda, and Yadadri Bhuvanagiri: These districts, while not as urbanized as Hyderabad or Rangareddy, have their own economic activities and growth factors contributing to the e-stamp revenue.

Conclusion:

The analysis provides a clear picture of the revenue streams from document registration and e-stamp challans across districts in Telangana for FY 2022. While document registration remains a major revenue source, certain districts like Rangareddy and Hyderabad have seen a significant contribution from e-stamp challans. The external information further justifies the insights, indicating the economic growth and urbanization factors in these districts. It would be beneficial for policymakers and stakeholders to focus on these districts for further development and revenue generation opportunities.



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district	Revenue Difference	E-Samp Revenue	Documents Revenue
Rangareddy	651,606,672.00	38,349,357,618.00	37,697,750,946.00
Hyderabad	108,302,591.00	14,374,315,032.00	14,266,012,441.00
Khammam	30,572,775.00	2,002,220,314.00	1,971,647,539.00
Hanumakonda	29,618,257.00	2,846,856,844.00	2,817,238,587.00
Yadadri Bhuvanagiri	17,790,064.00	2,185,270,667.00	2,167,480,603.00
Mahabubnagar	15,745,800.00	1,081,759,351.00	1,066,013,551.00
Mancherial	12,833,494.00	661,727,175.00	648,893,681.00
Jangoan	12,043,653.00	485,770,112.00	473,726,459.00
Siddipet	8,497,972.00	1,016,130,830.00	1,007,632,858.00
Peddapalli	8,262,827.00	618,663,557.00	610,400,730.00
Nalgonda	8,231,835.00	1,378,801,930.00	1,370,570,095.00
Nizamabad	7,785,920.00	1,449,452,877.00	1,441,666,957.00
Kamareddy	7,564,784.00	479,194,188.00	471,629,404.00
Nirmal	7,095,399.00	345,679,061.00	338,583,662.00
Jagtial	6,718,486.00	635,617,022.00	628,898,536.00
Karimnagar	5,104,882.00	1,555,554,043.00	1,550,449,161.00
Vikarabad	4,805,091.00	518,763,002.00	513,957,911.00
Rajanna Sircilla	3,255,958.00	455,893,155.00	452,637,197.00
Narayanpet	3,056,769.00	263,221,269.00	260,164,500.00
Jogulamba Gadwal	2,950,186.00	331,919,414.00	328,969,228.00
Mulugu	2,748,270.00	220,445,520.00	217,697,250.00
Wanaparthy	2,634,332.00	439,781,621.00	437,147,289.00
Nagarkurnool	2,369,302.00	503,243,357.00	500,874,055.00
Mahabubabad	707,108.00	402,178,710.00	401,471,602.00
Kumurambheem Asifabad	-105,975.00	75,125,612.00	75,231,587.00
Total	454,476,664.00	107,149,881,605.00	106,695,404,941.00

