

# Telangana - It's all in it!

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## Home Page 🏠:

1. The map shows overview of each district.
  1. Population as a % of total population based on 2011 census.
  2. The significant aspects of each district - based on external data
  3. Top Employer & Investment sector as a cumulative value

## Stamps 📄:

1. Top 5 Districts:
  1. Top 5 Districts based on % growth of revenue of 2022 as compared to 2021.
2. Growth % by Districts:
  1. Districts's % growth of revenue of 2022 as compared to 2021.
3. Revenue by Districts:
  1. Total revenue by district
4. Districts by Growth:
  1. Category of districts based on their growth %
    1. 50%+
    2. 30%+
    3. <30%
5. Yearly Count:
  1. Documents & Stamps yearly count as comparison

## Insights:

1. Jangaon has shown 106% growth in document revenue & 114% in Estamps revenue
2. Narayanpet has seen the least 16% document revenue growth
3. The growth in document revenue is on rise, with only 6 districts seeing under 30% growth.
4. Nalgonda has seen the least 21% growth in Estamps revenue
5. Only 4 districts have shown less than 30% rise in Estamps revenue growth
6. The rise of Estamps has affected the sales of documents since 2020, but since 2021 the difference is more visible

## Fuel 🚰:

1. Growth Page:
  1. Top Top 5 districts with growth % - total vehicles

2. Pie: % of vehicles of each fuel type based on 2022 growth compared to 2021 as a % of total growth
3. Map: % growth in 2022 as compared to 2021 of each fuel category
2. Each Fuel Page:
  1. Top 5 districts with most sales of that fuel category in 2022.
  2. Map: % growth in 2022 as compared to 2021 of each fuel category of each season.
  3. Card: Top & bottom 3 districts with growth %
  4. Scroller: Value of each fuel category in 2022, as compared to growth % in 2021

## Insights:

1. Growth Page:
  1. Diesel saw growth in northeastern part of the state, at second best 14% growth
  2. Electric vehicles grew in southwestern part of the state, at worst 4.5% growth
  3. Petrol is still growing at the highest 81% with major growth in the central & south region
2. Diesel:
  1. Winter saw the least growth in diesel vehicles.
  2. The growth in north and western part is present in the monsoon, on contrary to all negative growth in winter.
  3. Summer saw the same growth as spring, but slightly better.
  4. Karimnagar saw most growth in each season apart from Winter.
3. Electric:
  1. The growth is more southeastern centric
  2. Hyderabad has the most Electric vehicles, and still manages to gain 100%+ growth in each season
4. Petrol:
  1. The growth is more southwestern centric
  2. Winter & Spring sees more growth than other seasons.

## Vehicle

1. Growth Page:
  1. Tornado: Season wise split of sales of each vehicle type in year 2022.
  2. Variable pie: % of other class vehicles overall by season, using the growth in 2022 compared to 2019 as the size of each season slice
  3. Scroller: Value of growth in each category in 2022, as compared to value in 2022
2. Each Vehicle Category:
  1. Variable Pie: % growth in overall vehicles, with growth % in 2022 against 2019 as radius value if each season

2. Map: District wise sales of each category till date.

## Insights:

### 1. Growth Page:

1. Summer saw most old & 4 to 6 seated vehicle sales
2. Monsoon & winter still results in least sales
3. The sales of other class vehicle is evenly poised among all season, but not grown as much in monsoon

### 2. Agriculture:

1. Monsoon had 28% of sales but shown drop in sales in 2022 against 2019.
2. Spring saw most growth, seems like it is in anticipation of a good season ahead by POV of the end user
3. The growth is southern centric.

### 3. Autorickshaw:

1. The sales and growth is evenly poised through tout the year with a 4% dip in summer.
2. Hyderabad had the most sales of Autorickshaw overall, followed by Sangareddy.

### 4. Motor Car:

1. Over the years the sales of motorcar grew the most in Winter & least in monsoon & summer.
2. Apart from Rangareddy, Hyderabad and Medchal the sales is almost identical in rest part of the state.

### 5. Motor Cycle:

1. The sales of motorcycle grew the most in Winter & least in monsoon & summer.
2. Apart from Rangareddy, Hyderabad and Medchal the sales is almost identical in rest part of the state.
3. Not much difference between motorcar & motorcycle.

## TS-iPASS

### 1. Sector:

1. Card: Total employees & investment in Cr.
2. Pie: Total Employees & investment by top 5 sectors and rest merged as
3. Tornado: Employment % growth in 2022 against 2019 compared to investment growth value during same year
4. Scroller: Sector wise total investment with % growth between 2022 & 2019.

### 2. District:

1. Tornado: Employment % growth in 2022 against 2019 compared to investment growth value during same year
2. Map: Employment & Investment % growth in 2022 against that of 2019.

3. Scroller: District wise total investment with % growth between 2022 & 2019.

### Insights:

1. Sector:
  1. Real Estate: Inspite of showing a decline in investment & employment showed the highest 52% employment
  2. Argo & Cold storage on the contrary, despite of 837K investment growth, dropped employment by 25% in 2022.
2. District:
  1. Rangareddy, despite the most increase of investment, saw a 87% dip in employment in 2022 compared to 2019.
  2. Mancherial, Kamareddy & Wanaparthy saw investment growth but it did not translate into significant employment growth compared to Yadadri Bhuvanagiri.

### District :

1. Scatter: % Employees, investment vehicle & stamp sales growth in 2022 compared to 2021.

### Insights:

1. Vikarabad:
  1. Only drop in vehicle sales, increased Employment by 13% with 49% increase in investment.
2. Bhadradi Kothagudem:
  1. Drop in vehicle & employment growth, yet exponential growth in investment.
  2. Yet, it is worth noting that they had a huge drop in investment from 964 Cr in 2019 to 30 Cr & 33 Cr in 2020 & 2021 respectively., which got to to 997 Cr in 2022 & again 3 Cr in 2023.
3. Waranparthy
  1. Grew employment by 330% with 2700% investment growth.
4. Rangareddy:
  1. Shown document & vehicle revenue growth of 36% & 12% respectively.
  2. New investment is more than doubled compared to 2021.

### Suggestion:

1. Adilabad, Nizamabad, Khammam & Kamareddy need more focus for increase vehicle sales as they are close to crossing 20% drop mark.
2. Rangareddy has the biggest drop in new employment in 2022 against 2021, yet rest all aspects are growing. Can any of the industries set up here, be incentivised for introduction of new employment?

3. What is happening in Warangal? Only increase in stamp revenue, rest all is down. The only outlier in otherwise perfectly growing districts.

## Investment 💰 :

1. Home & Season Page :
  1. Variable Pie: Investment in top 5 sectors by growth in 2022 against 2019, with investment value as size of radius.
  2. Card: % of new investment in 2022 as compared to 2019.

## Insights:

1. Monsoon
  1. Overall new investment is down by 26% in 2022.
  2. Real estate is a clear winner with 30K investment in monsoon.
2. Spring:
  1. Food & Engineering got most investment in spring.
  2. Granite & stone industry had the most growth in spring.
  3. Overall new investment is up by 31% in 2022.
3. Summer:
  1. Renewable energy had the biggest jump in investment growth in summer, by 2800% +.
  2. Plastics & Rubber had the biggest chunk of Summer investment.
  3. Highest growth in new investment has come in Summer at 89%.
4. Winter:
  1. Beverages grew by 2700% in winter, with 1.8K Cr overall investment.
  2. Pharma had the biggest bite of investment, 4.9K Cr.
  3. Winters actually are cold for investments in Telangana, with a 7% drop in new investment in 2022 as compared to 2019.

## Suggestion:

1. Telangana is becoming hub for Plastic & Rubber industry investments, followed by Renewable Energy. The by-product of plastic & rubber industry could be used for manufacturing medical gloves, adhesives & gaskets and that could attract more of medical equipment industry investment.
2. The renewable energy sector, could be leveraged to generate not only investment and employment but also to make an impact on global warming by subsidising household solar power installation.
3. Though Telangana government has no policy for wine industry, with increase in investment

in beverages industry, could Telangana pose itself as an alternative of Maharashtra for wine production?