

NREGA ANALYSIS

POWER BI PROJECT

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OVERVIEW

This project delves into the analysis of data related to the National Rural Employment Guarantee Act (NREGA), a transformative government scheme aimed at providing rural households with guaranteed wage employment opportunities. Through the application of data analytics techniques, we aim to gain valuable insights into the implementation and impact of NREGA across different states and districts in India.

PROBLEM STATEMENT

NREGA is a vital initiative to alleviate rural unemployment and poverty. This project seeks to address several key questions and challenges associated with NREGA:

- How effective is NREGA in providing employment opportunities to rural households?
- Are there regional disparities in the implementation and outcomes of the scheme?
- What is the utilization of the allocated budget, and how does it correlate with employment generation?
- What are the key factors contributing to the completion of NREGA works, and are there any roadblocks to its success?
- Can data-driven insights guide policymakers and administrators in optimizing the scheme's impact?

DATASET INFORMATION

The dataset used for this analysis is sourced from official governments records and contains information related to NREGA implementation across various states and districts in India. It comprises 28 columns, encompassing data on job cards, worker details, budget allocation, work completion statistics, expenditure, and more. This dataset offers a comprehensive view of the progress and challenges faced by the NREGA program.

SCOPE

This project aims to analyze and visualize the NREGA dataset to extract meaningful insights.

The scope includes:

- Data preprocessing and cleaning to ensure data quality.
- Exploratory data analysis (EDA) to identify patterns, trends, and disparities in NREGA implementation.
- Utilizing data visualization techniques to present key findings effectively.
- Drawing actionable insights to inform policymakers and administrators about the strengths and weaknesses of the NREGA program.
- Suggesting data-driven recommendations for optimizing the impact of NREGA in different regions.

DATA VISUALIZATION USING POWER BI

NREGA ANALYSIS DASHBOARD

156M

Sum of Total No. of JobCards issued

97M

Sum of Total No. of Active Job Cards

175M

Sum of Total No. of Active Workers

204K

Sum of Average Wage rate per day per person(Rs.)

428K

Sum of Total No of HHs completed 100 Days of Wage Employment

Sum of Average days of employment provided per Household by state_name



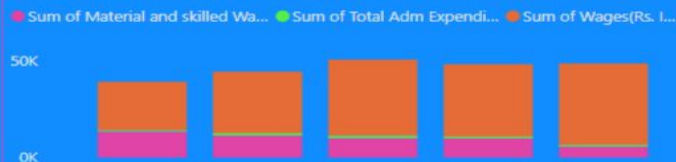
Sum of SC workers against active workers and Sum of ST workers against active workers



Sum of Total Exp(Rs. in Lakhs.) by Approved Labour Budget



Sum of Material and skilled Wages(Rs. in Lakhs), Sum of Total Adm Expenditure (Rs. in Lakhs.) and Sum of Wages(Rs. in Lakhs) by Total Exp(Rs. in Lakhs.)



Sum of Persondays of Central Liability so far by state_name





46M

Sum of Total Households Worked

63M

Sum of Total Individuals Worked

396K

Sum of Differently abled persons w...

14K

Sum of Number of GPs with NIL exp

district_name

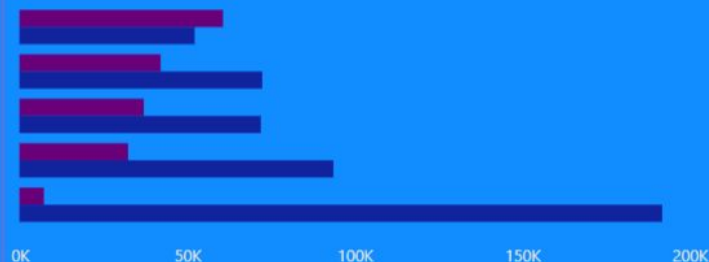
Yadgir	YAVATMAL
YAMUNANAGAR	ZUNHEBOTO

state_name

HARYANA	MAHARASHTRA
KARNATAKA	NAGALAND

Sum of Number of Completed Works and Sum of Number of Ongoing Works by Total No. of Works Takenup (New+Spill Over)

● Sum of Number of Completed Works ● Sum of Number of Ongoing Works



Total No. of JobCards issued



RECOMMENDATIONS

- **Optimize Fund Use:** Address budget discrepancies.
- **Support Marginalized Groups:** Enhance inclusivity.
- **Improve Project Completion:** Focus on timely execution.
- **Targeted Regional Interventions:** Address low expenditure areas.
- **Ensure Employment Consistency:** Sustain work opportunities year-round.

Implementing these will enhance NREGA's efficiency, inclusivity, and rural impact.

CONCLUSION

The NREGA Dashboard highlights key insights:

- **Wide Reach:** Significant issuance and activation of jobcards.
- **Inclusivity:** High participation of SC, ST, and differently-abled workers.
- **Financial Management:** Effective but improvable budget utilization.
- **Sustained Employment:** Consistent persondays and average employment days.
- **Geographical and Project Insights:** Regional performance variations and project completion rates.



THANK
YOU