

# MNREGA (Mahatma Gandhi National Rural Employment Guarantee Act) Funds Allocation Analysis

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*Note: Please note that all the below analysis are done on hypothetical funds generated by the author. The data is generated by the author as per the specifications provided by the government under the open datasets repository provided on the Government of India Datasets website. Any resemblance is a mere co-incidence.*

The above Analysis was done for 'Smart India Hackathon 2017'. Kindly note that the code added in the repository cover only the map reduce analysis while code for the further analysis like plotting the details on the interactive map using BI tools like Tableau, QlikView etc. is not added in the same. This code satisfies the map reduce analysis only.

National Rural Employment Guarantee Act 2005 (or, NREGA No 42) was later renamed as the "Mahatma Gandhi National Rural Employment Guarantee Act" (or, MGNREGA), is an Indian labour law and social security measure that aims to guarantee the 'right to work'. It aims to enhance livelihood security in rural areas by providing at least 100 days of wage employment in a financial year to every household whose adult members volunteer to do unskilled manual work.

The Sample data set added with the code contains the hypothetical funds and allocation details which has been analyzed using map reduce.

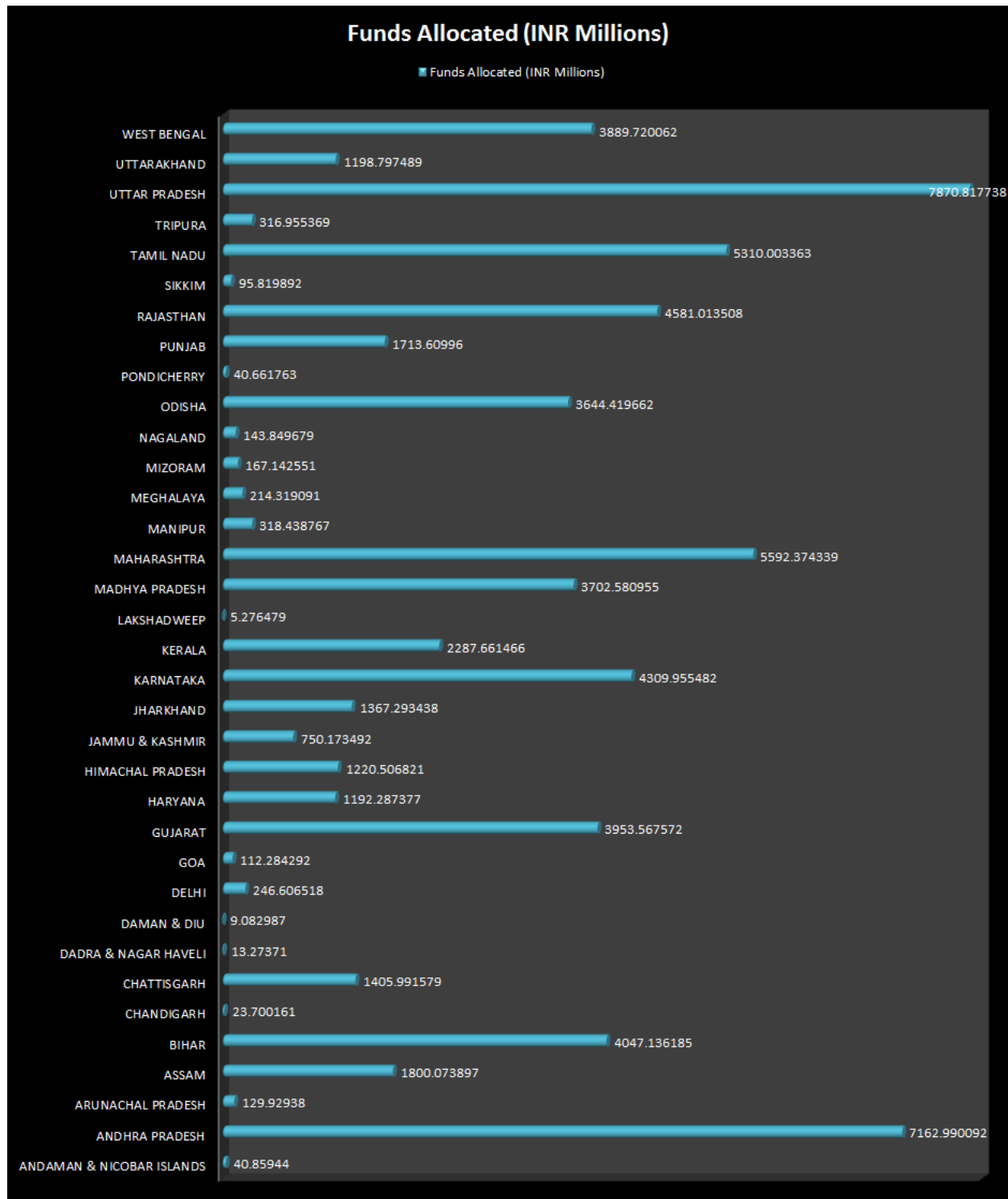
The analysis of the funds allocations were done in 3 categories:

- 1) State Wise Funds Allocation
- 2) Work Wise Funds Allocation (PAN India)
- 3) Bank Wise Funds Allocation (PAN India)

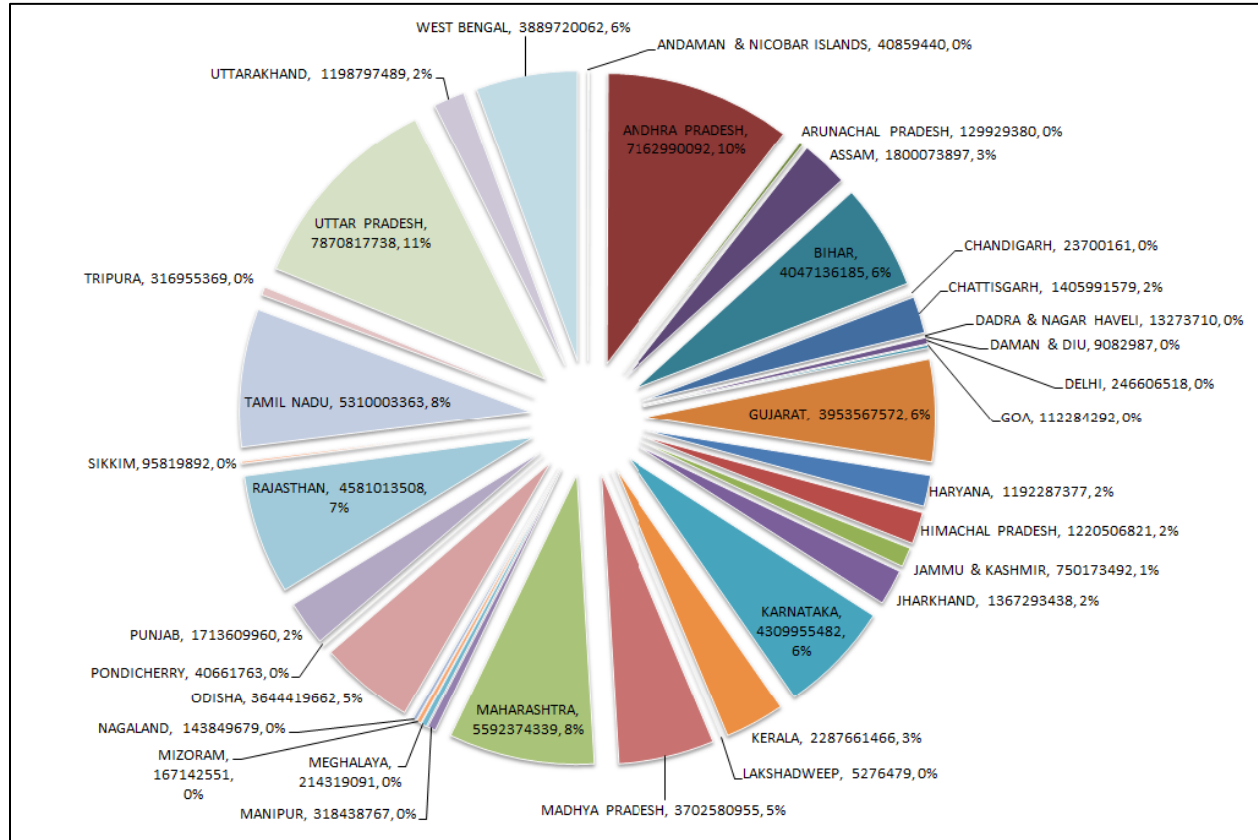
Below are the Analysis results for the above three categories.

## State Wise Funds Allocation for MNREGA

The below graph display the total number of funds allocated to each state (in INR x Millions).

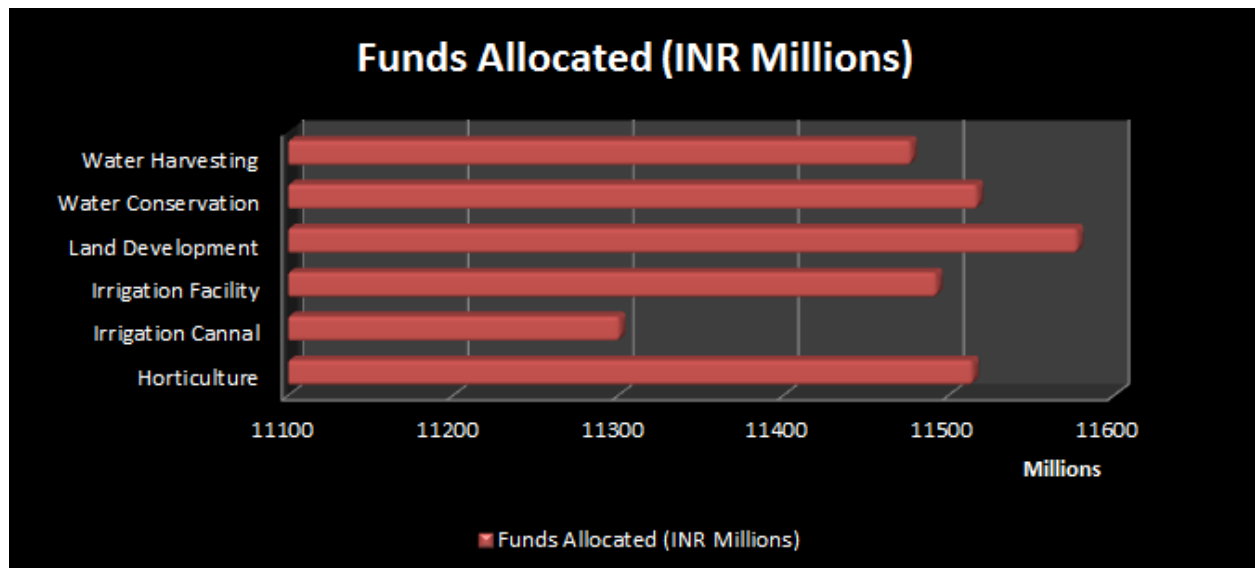


Below Graph represents the percentage of funds allocated to each state out of total funds allocation.

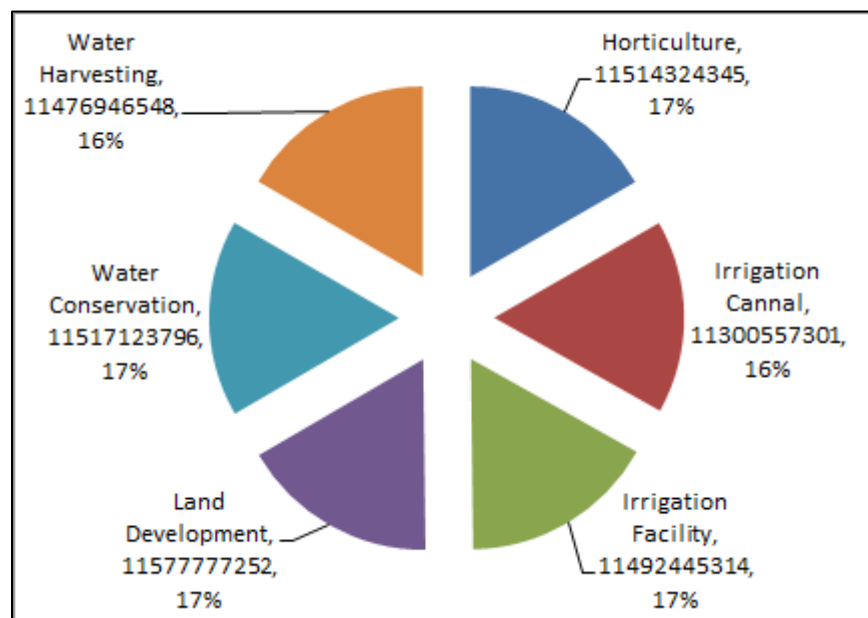


## Work Wise Funds Allocation for MNREGA

The below graph display the total number of funds allocated to each work category under MNREGA (in INR x Millions).



Below Graph represents the percentage of funds allocated to each work category out of total funds allocation.



## Bank Wise Funds Allocation for MNREGA

The below graph display the total number of funds allocated to bank under MNREGA (in INR x Millions).

