

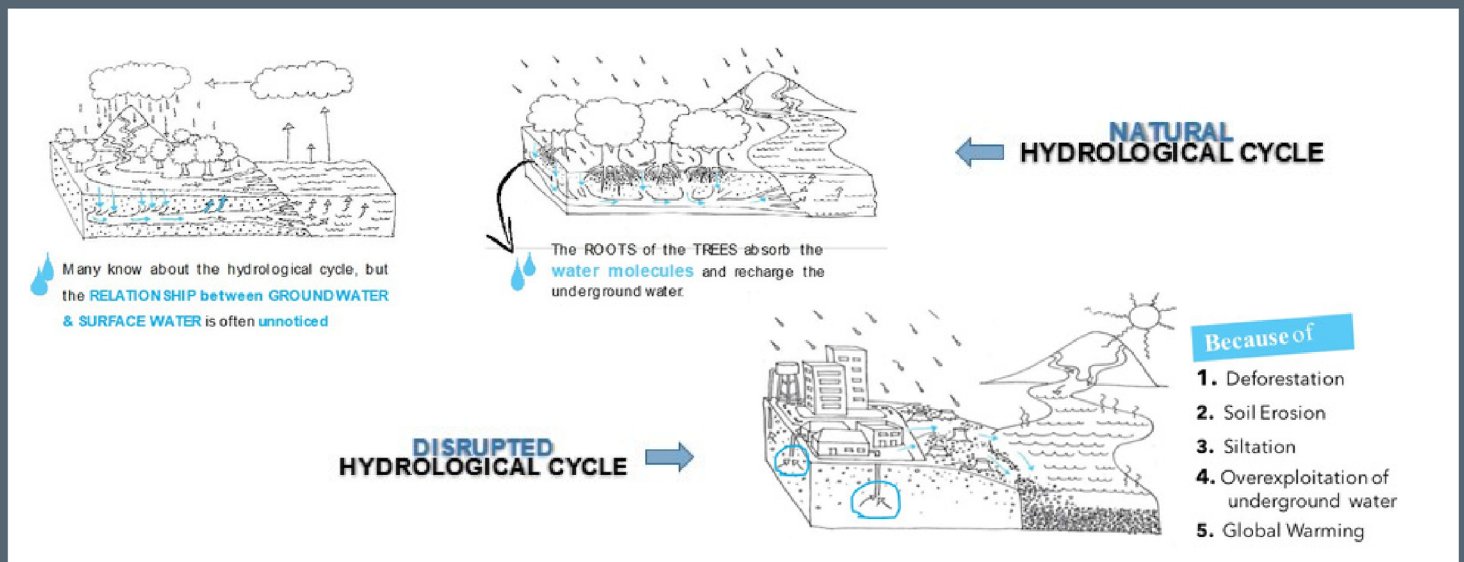
# RIVER REJUVENATION - MGNREGA GOVERNMENT OF ANDHRA PRADESH

## About River Rejuvenation

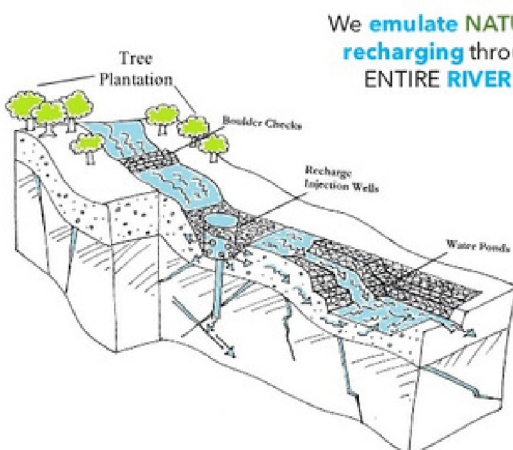
Scarcity of water sources starting from drinking, irrigation and all other purposes have been at stake. There has been a threat of commercialization of the naturally and freely available water to the life system. Hence, MGNREGA-GoAP has been working hard for the revival of dried Rivers and Water bodies.

The methodology being adopted for our River Rejuvenation Projects are cost effective, innovative and ecofriendly. Community involvement and the sound scientific planning is the strength of projects.

## Why, What, How?



## Solution



We emulate NATURE by >> recharging throughout ENTIRE RIVER BASIN

### TREE PLANTATION

reduces soil erosion and recharges ground water

01

### BOULDER CHECK DAM

slows down speed of water, reduces soil erosion.

02

### RECHARGE & INJECTION WELLS

recharges groundwater (Shallow and Deep Aquifer)

03

### WATER POOLS

revives lakes and larger water bodies

04

➤ Improving Groundwater table by more rainwater recharge and tree plantation across entire RIVER BASIN

➤ Slow down the run-off and Optimum recharge across river basin

# ANDHRA PRADESH



## PROGRAM OBJECTIVES

- With numerous rivers rapidly drying up, this has affected the Agriculture, People and the Environment drastically.
- Thus, to help with the water issues, we have been working on the River Rejuvenation projects.
- with the aim of providing not only drinking water, water for agriculture but also a long-term and sustainable solution to Resilient Riverine Eco System.

**CGWB report of 2021 - 2022 shows that 86% area showed declining trend in water levels by 0 to 2 meter in pre monsoon time.**

## SCOPE OF WORK

- Capacity building and Training with scientific methodology.
- Scientific action plan using thematic maps based on the remote sensing data available from ISRO and other agencies.
- Provide engineering designs and sample estimates for the various structures proposed in the action plan.
- Monitoring of action plan implementation under various government schemes including MGNREGA.
- To engage with communities/ water stakeholders to
  - i. create work force by building the capacities
  - ii. create awareness and sensitize on water-use efficiencies
  - iii. create change in agents through different programs like Youth Leadership Training Programs
  - iv. Promote local self-governance on all water issues
  - v. Create awareness on the water across all its stakeholders
- To engage its team with various research and universities/ academic institutions for studying the IMPACT post implementation of the action plan
- Consultation for scientific analysis / study on any key issues relating to supply-side and or the demand-side of water considering quality and quantum (rainwater, surface water, groundwater, grey water, water pollutants, etc)
- Build data sources based on the data collected from various studies in the communities or its work areas making it available for DSS and policies as need be.

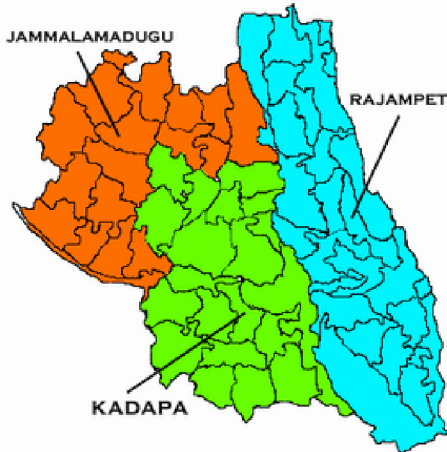
## DURATION

- Work phase : Maximum 2 years and 9 months from project commencement.
- Consolidation phase : 3 months period.

## EXPECTED IMPACT

- Improved ground water table to re-enable environmental flow in the dried up streams
- Improved availability of water for flora and fauna of the riverine ecosystem
- Achieve climate resiliency - bringing balance between floods and droughts

# YSR KADAPA DISTRICT



## Area Details

The YSR Kadapa district having geographical area of 15,359 km<sup>2</sup> . lies between north latitude

13°43′-15°14′ and east longitude 77°55′-79°29′ located in the southeast of Andhra Pradesh.

## Action Plan

The Action plan will be executed in 4 phases.

Phase 1 covers Pennar Upper river | Phase 2 covers Papagni river  
Phase 3 covers Cheyyeru river | Phase 4 covers Sagileru and Pennar Lower rivers.

### SCOPE OF WORK

Capacity building and Training for scientific methodology.

YLTP - Youth Leadership

Training Program

RBW - Recharge Bore Well

RCW – Re Charge Well

SSD - Sub Surface Dyke

WP - Water Pool

RFD – Rock fill Dams

### VILLAGES

**983 VILLAGES  
WILL BE  
BENEFITED**

### POPULATION

**28.82 LAKHS  
PEOPLE WILL  
BE BENEFITED**

### BOULDER CHECK



### RECHARGE WELL



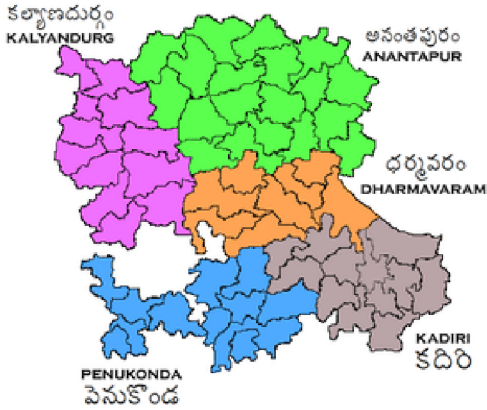
### RECHARGE BOREWELL



### WATER POOL



# ANANTAPUR DISTRICT



## Area Details

Total area of Anantapur is 19,130 Sq.km including 18,753.11 Sq.km rural area and 376.89 Sq.km urban area.

Anantapur is located at 14.68°N 77.6°E

## Action Plan

Action plan is divided into 5 phases, Anantapur Consist 39 Sub-Basin

Phase 1 covers Pennar Upper Basin | Phase 2 covers Pennar Upper Basin | Phase 3 covers Pennar Upper Basin  
Phase 4 covers Pennar Upper Basin | Phase 5 covers Tungabhadra Lower Basin

### SCOPE OF WORK

Capacity building and Training for scientific methodology.

YLTP - Youth Leadership

Training Program

RBW - Recharge Bore Well

RCW - Re Charge Well

SSD - Sub Surface Dyke

WP - Water Pool

RFD - Rock fill Dams

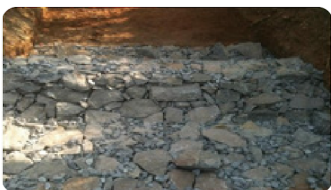
### VILLAGES

**921 VILLAGES  
WILL BE  
BENEFITED**

### POPULATION

**40.81 LAKHS  
PEOPLE WILL  
BE BENEFITED**

### BOULDER CHECK



### RECHARGE WELL



### RECHARGE BOREWELL



### WATER POOL

