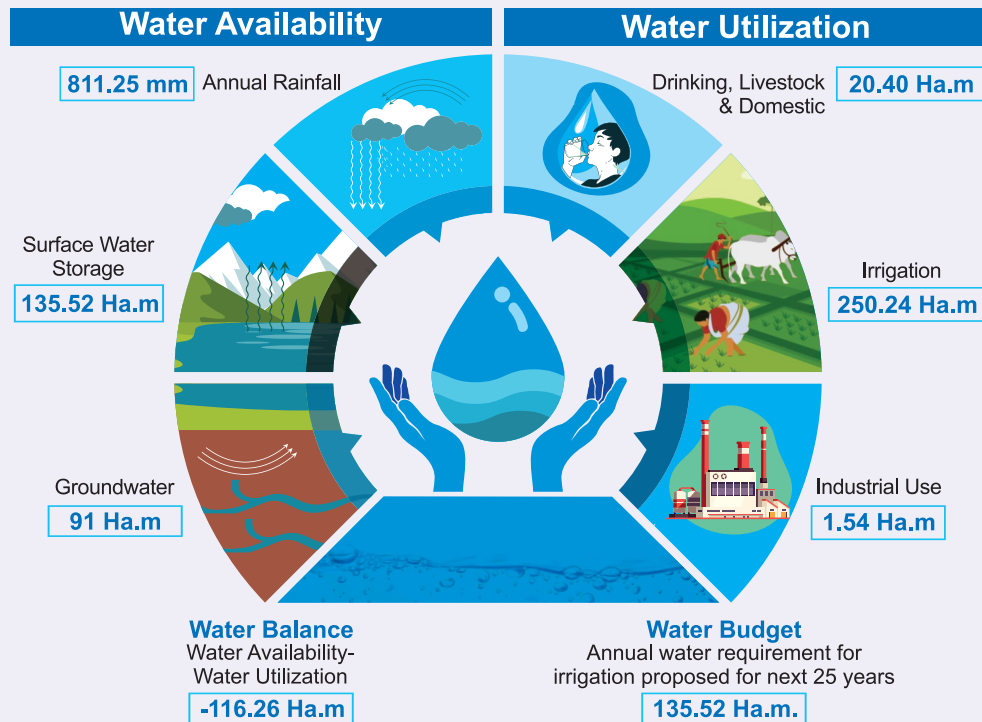


WATER SECURITY PLAN OF PATTRENHALLI GRAM PANCHAYAT



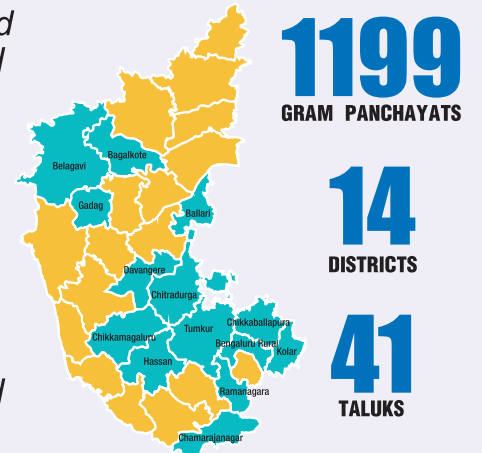
Interventions Proposed - Supply Side	
Type of Structure	Number of Structures
Injection Well	1
Check Dam	2
Tank Filling	1
Gokunte	3
Boulder Check	1
Tank Desiltation	3
Nala Desiltation	3

Area Proposed - Demand Side	
Type of Works	Area (Ha)
Micro irrigation sprinkler	0.40 ha
Micro irrigation drip	113.84 ha
Crop diversification	5 ha
Automated Drip Irrigation	7.50 ha
Total	126.74

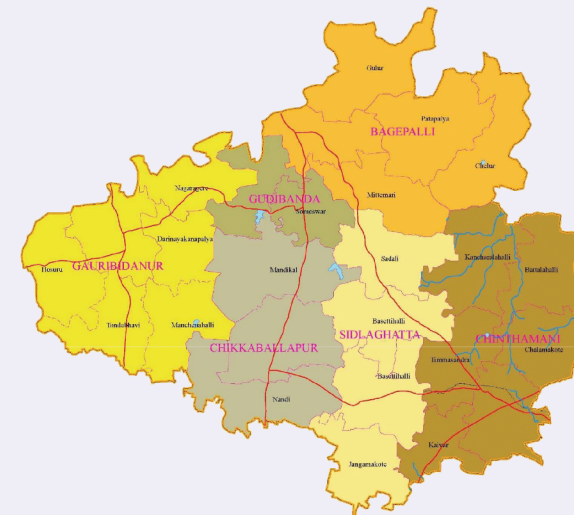
ATAL BHUJAL YOJANA (ABHY)

COMMUNITY-LED SUSTAINABLE
GROUNDWATER MANAGEMENT PROGRAMME

Atal Bhujal Yojana was formulated by Government of India (GoI) and World Bank for strengthening the institutional framework for participatory groundwater management and bringing about behavioural changes at the community level for sustainable groundwater resource management. In Karnataka, the scheme is being implemented in 1199 gram panchayats in 41 blocks of 14 districts.



Atal Bhujal Yojana in Chikkaballapura

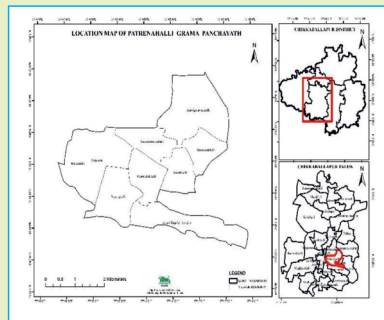


AN OVERVIEW OF PATRENAHALLI GRAM PANCHAYAT

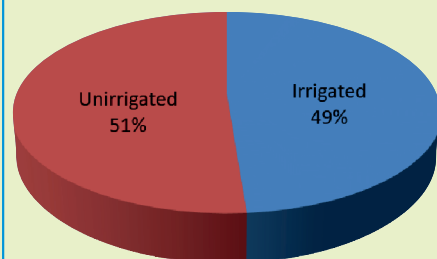
GP Area **1583.48 Ha.**

Total Population of Patrenahalli Gram Panchayat

2643 + 2791 = 5434



Percentage of area under cultivation



Major Livelihood - Agriculture

Cultivable Area
828.40

Borewells
650

Major Crops



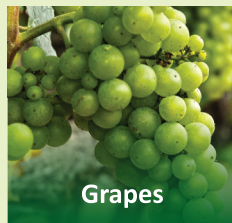
Ragi



Maize



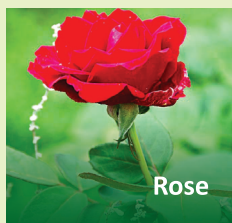
Field bean



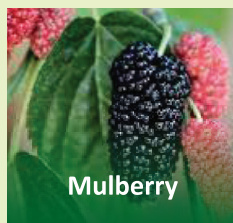
Grapes



Chrysanthemum



Rose

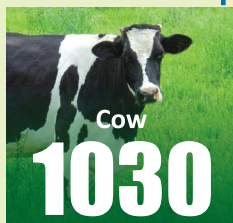


Mulberry

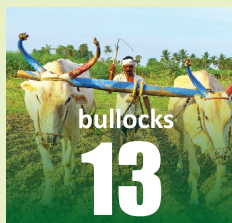


Pomegranate

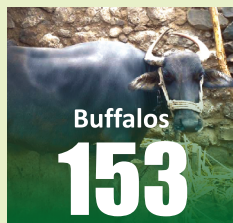
Livestock Population



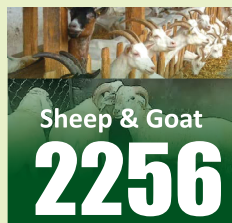
Cow
1030



bullocks
13



Buffalos
153



Sheep & Goat
2256

IMPLEMENTATION OF ATAL BHUJAL YOJANA

Groundwater Monitoring



Observatory Borewell



Measuring Static water level using
Analog Water Level Indicator



Collection of water sample
for quality analysis

Process of Preparation of Water Security Plan



Orientation of Panchayat
Development Officer and
Gram Panchayat Members



Formation of Participatory
Groundwater Management
Committee



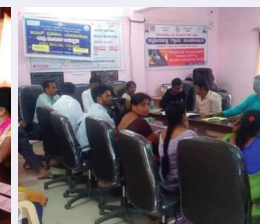
Presentation of GP level
information to the Community



Updating the Committee members on
water availability and water usage
in Patrenahalli GP



Discussion with the Community on
Demand and Supply side
interventions



Approval of Water Security Plan
by the Committee

Creating Awareness through IEC Activities



Creating Awareness
through Kalajatha



Distribution of Brochure



Auto Announcement



Water Pledge by students