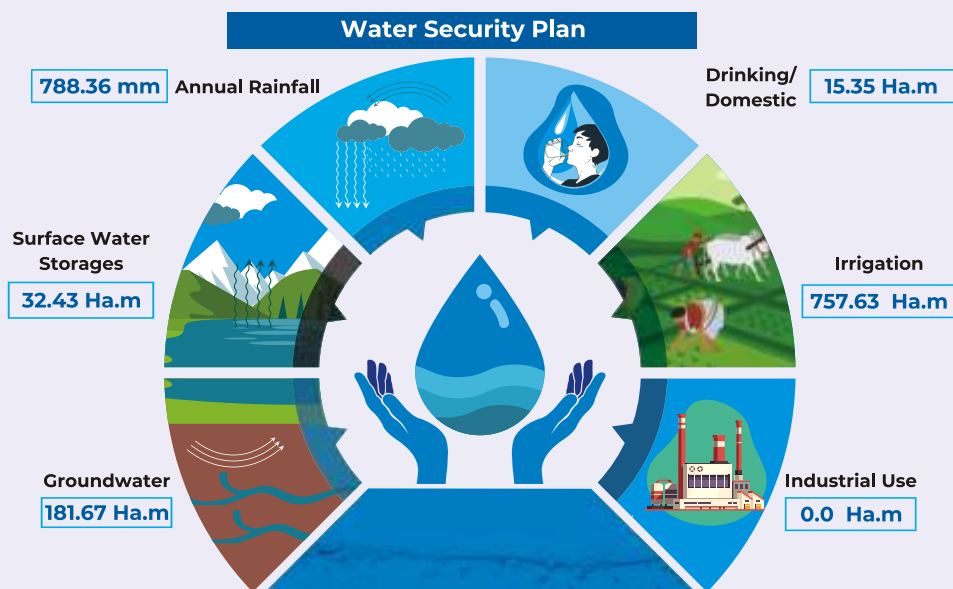




WATER SECURITY PLAN OF BALLAGERE



Water Balance
(Water Availability-
Water Utilization)
-558.88 Ha.m

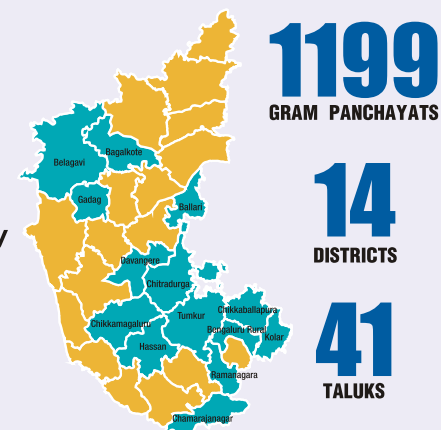
Water Budget (30 years)
(Availability of water for
agriculture and irrigation)
203.54 Ha.m

Supply Side interventions proposed under Water Security Plan					
S No.	Type of Structure	Number of Structures	Annual Recharge (ha.m)	Estimated intervention Cost (Lakhs)	Estimate Required to Annual Recharge per Ha.m through Intervention (Lakhs)
1.	Injection Well	2	4.74	10	2.10
2	Check Dam	24	8.579	99	11.53981
3	Mini Percolation Tank	9	0.09	3.35	37.22
4	Trench cum bunds	73	3.880	28.90	7.44
5	Farm pond	5	0.1767	7.8	44.14
6	Canal & Tank Desiltation/ Dvlt	5	0.0385	25	649.350
7	Nala Bund	7	1.035	27	26.08
8	Recharge Pits	49	0.3789	14.70	38.79
9	Soak Pits	26	0.1190	3.62	30.42
	Total	200	19.0371	219.37	11.52329

Area proposed under Demand Side				
Type of Work	Area (ha)	Reduction in water demand (ha.m)	Estimated intervention Cost (Lakhs)	Estimate Required to Annual Recharge per Ha.m through Intervention (Lakhs)
Micro irrigation sprinkler	8.72	1.63	1.70	1.04
Micro irrigation drip	568.53	264.0	456.36	1.72
Other measures	11.45	1.60	8.39	5.24
Total	588.7	267.23	466.45	1.74

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 14 districts, 41 blocks, 1199 gram panchayats.



ATAL BHUJAL YOJANA IN TUMAKURU



06

Blocks:

Chikkanayakanahalli,
Koratagere, Madhugiri,
Sira, Tiptur & Tumakuru.

199

Gram
Panchayats

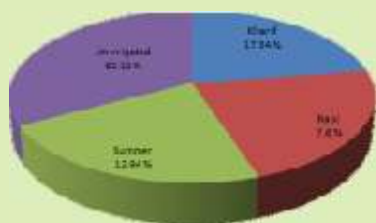
AN OVERVIEW OF Ballagere Gram Panchayat at a Glance

Total Population of
Ballagere Gram Panchayat at a Glance

 **3340** +  **3235** = **6575**



Percentage of area under cultivation



Major Livelihood -
Agriculture

GP Area
2050.00 Ha.

Cultivable Area
1966.00 Ha

904 Borewells

Major Crops



Ragi



Maize



Areca Nut



Tomato



Coconut



Brinjal



Banana



Mulberry

Livestock Population



Cows
887



Bullocks
00



Buffalos
400



Sheep &
Goats
1386

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



Approval of
Water Security Plan
by the Committee

CREATING AWARENESS THROUGH IEC ACTIVITIES



Educating the community about yojana



Educating the community about yojana



Wall painting



Villagewise banner tying