

# Water Security Plan Report

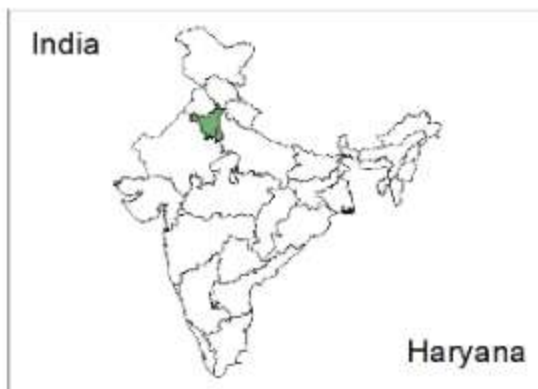
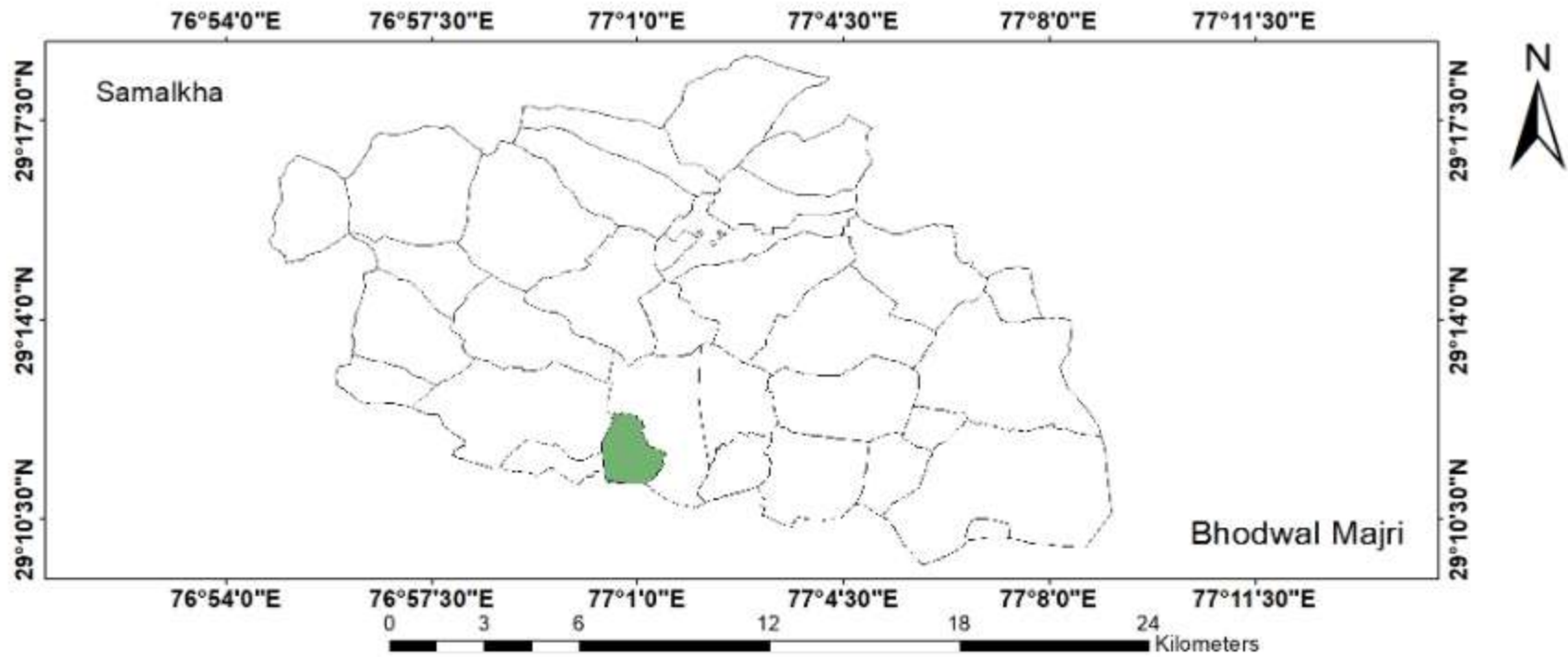
Date : 28-09-2023    Time : 5:00 PM    User Name : xen.ataljal@gmail.com

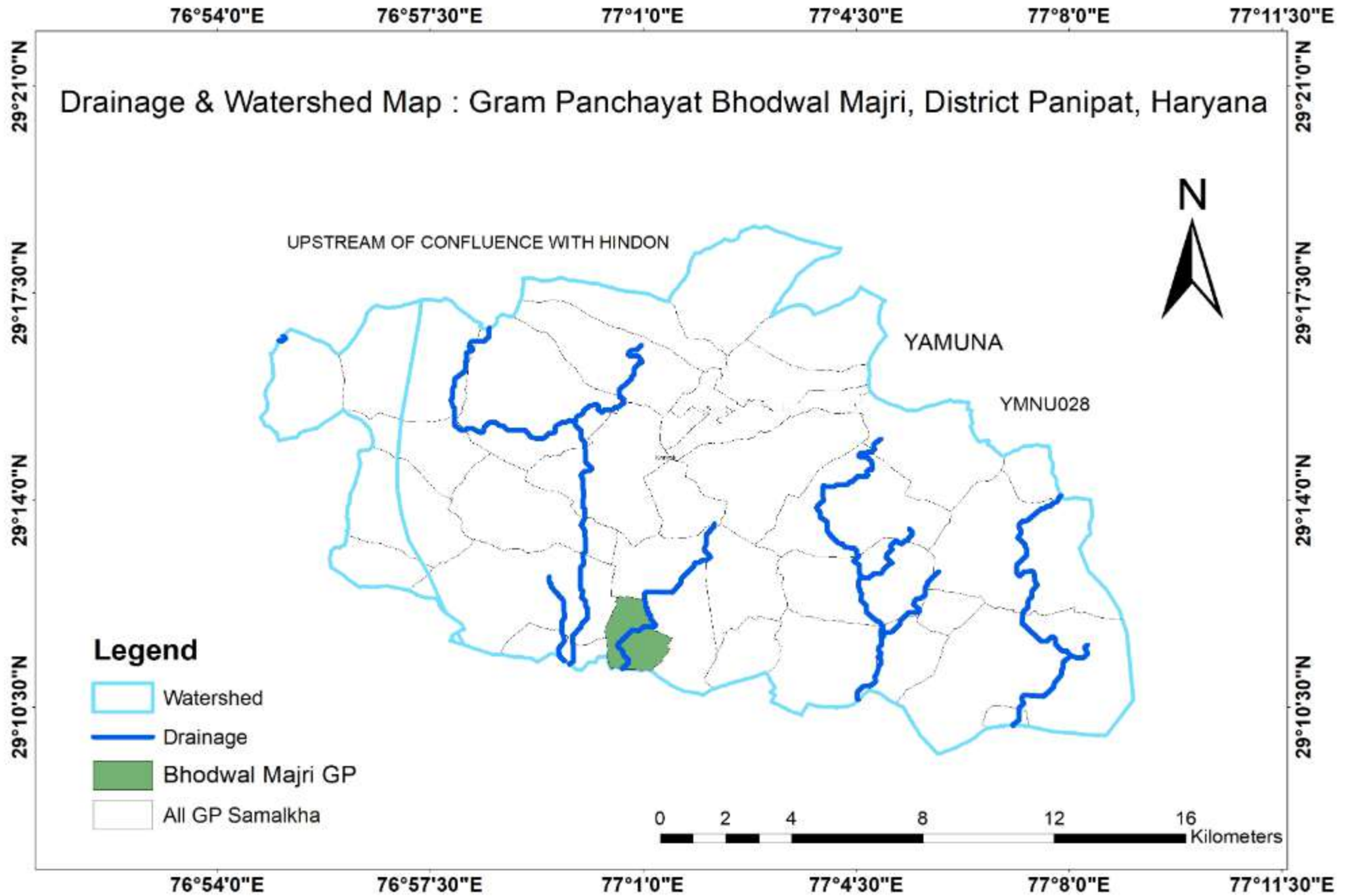
STATE: HARYANA\_6 »    DISTRICT: PANIPAT\_71 »    BLOCK: SAMALKHA\_535 »    GRAM PANCHAYAT: BHODWAL MAJRI\_32002 »    YEAR: 2023-24 »

## Gram Panchayat Information

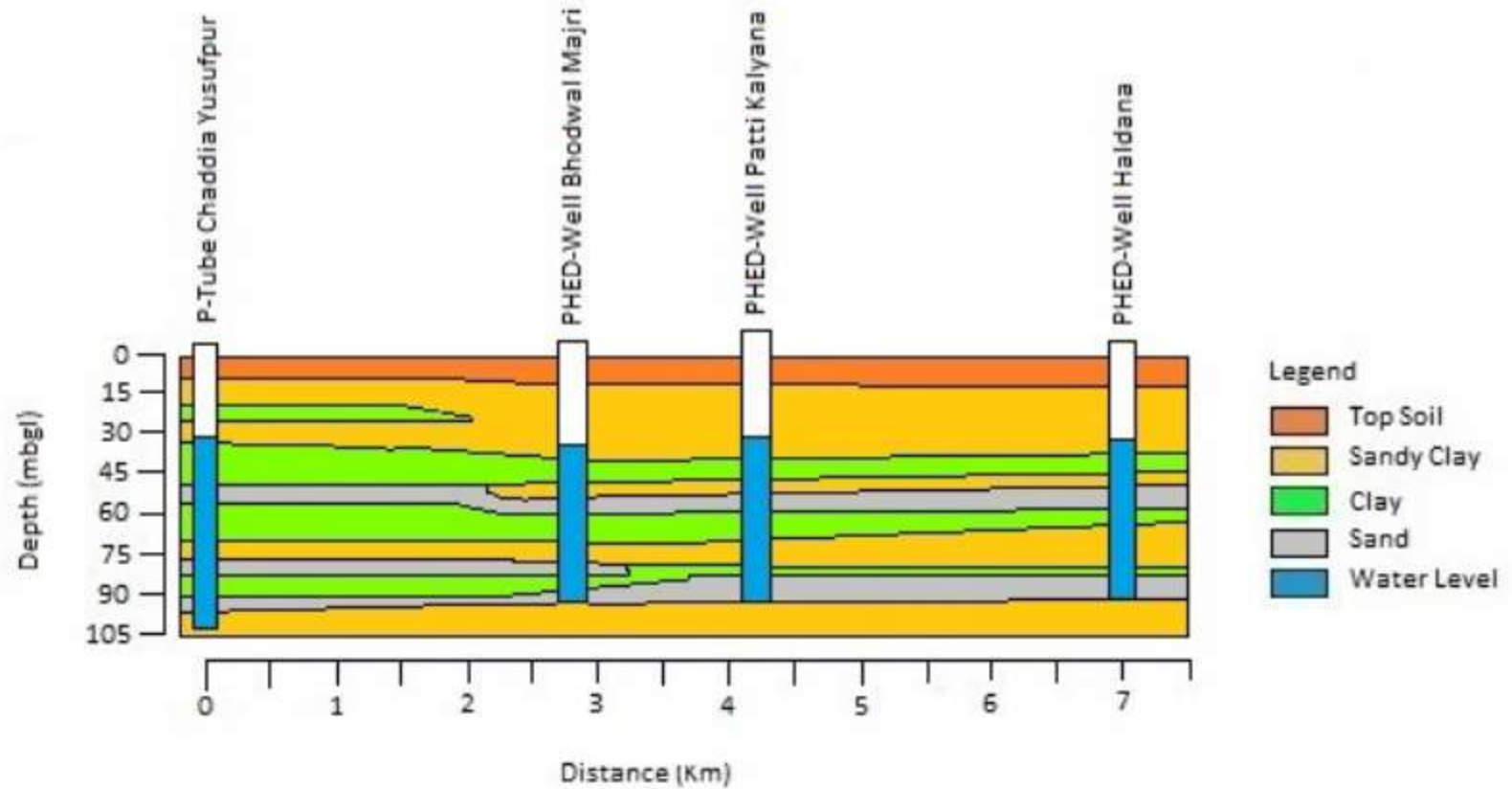
State:	Haryana_6	District:	Panipat_71
Block / Taluk :	Samalkha_535	GP Name :	Bhodwal Majri_32002
GP ID :	32002	Block Area (Ha) :	22585.00
GP area (Ha) :	283.20	Watershed Code :	YMNU028
Watershed name :	YAMUNA BASIN	Watershed area in Block / Taluk (Ha) :	215847.27
Sub-basin Code :	2C	Sub basin name :	Yamuna Upper (Upstream of Confluence with Hindon)
Basin Code :	2A	Basin Name :	Yamuna

### Location Map : Gram Panchayat Bhodwal Majri, District Panipat, Haryana





**Aquifer Map: Gram Panchayat Bhodwal Majri, Block-Samalkha, District-Panipat, Haryana**



## Ground Water Level

S.No.	Site Name	Location Details	Latitude	Longitude	Date	Well ID	Type of Well	Other Well Type	Ownership Type	Government Source	Diameter of well(m)	Depth of Well(mbmp)	Height of Measuring Point (mbgl)	Water Level (mbgl)	Water Level Date
1	Bhodwal Majri	PHED WELL	29.19284	77.01522	31-05-23 1	032002-001	Tube Well	null	Private	null	0.254	198.12	0	34.98	31-05-23
	Bhodwal Majri	PHED WELL	29.19284	77.01522	31-05-23 1	032002-001	Tube Well	null	Private	null	0.254	198.12	0	35	23-06-23
	Bhodwal Majri	PHED WELL	29.19284	77.01522	31-05-23 1	032002-001	Tube Well	null	Private	null	0.254	198.12	0	34.78	27-07-23
	Bhodwal Majri	PHED WELL	29.19284	77.01522	31-05-23 1	032002-001	Tube Well	null	Private	null	0.254	198.12	0	36.61	31-08-23
	Bhodwal Majri	PHED WELL	29.19284	77.01522	31-05-23 1	032002-001	Tube Well	null	Private	null	0.254	198.12	0	36.56	30-09-23
2	Bhodwal majri	Gsss Bhodwalmajri p tube	29.19401	77.01225	50:47.7	032002-002	Piezometer	null	Government	SGWB	0.1016	88.5	0.5	34.8	30-09-23

## Ground Water Quality

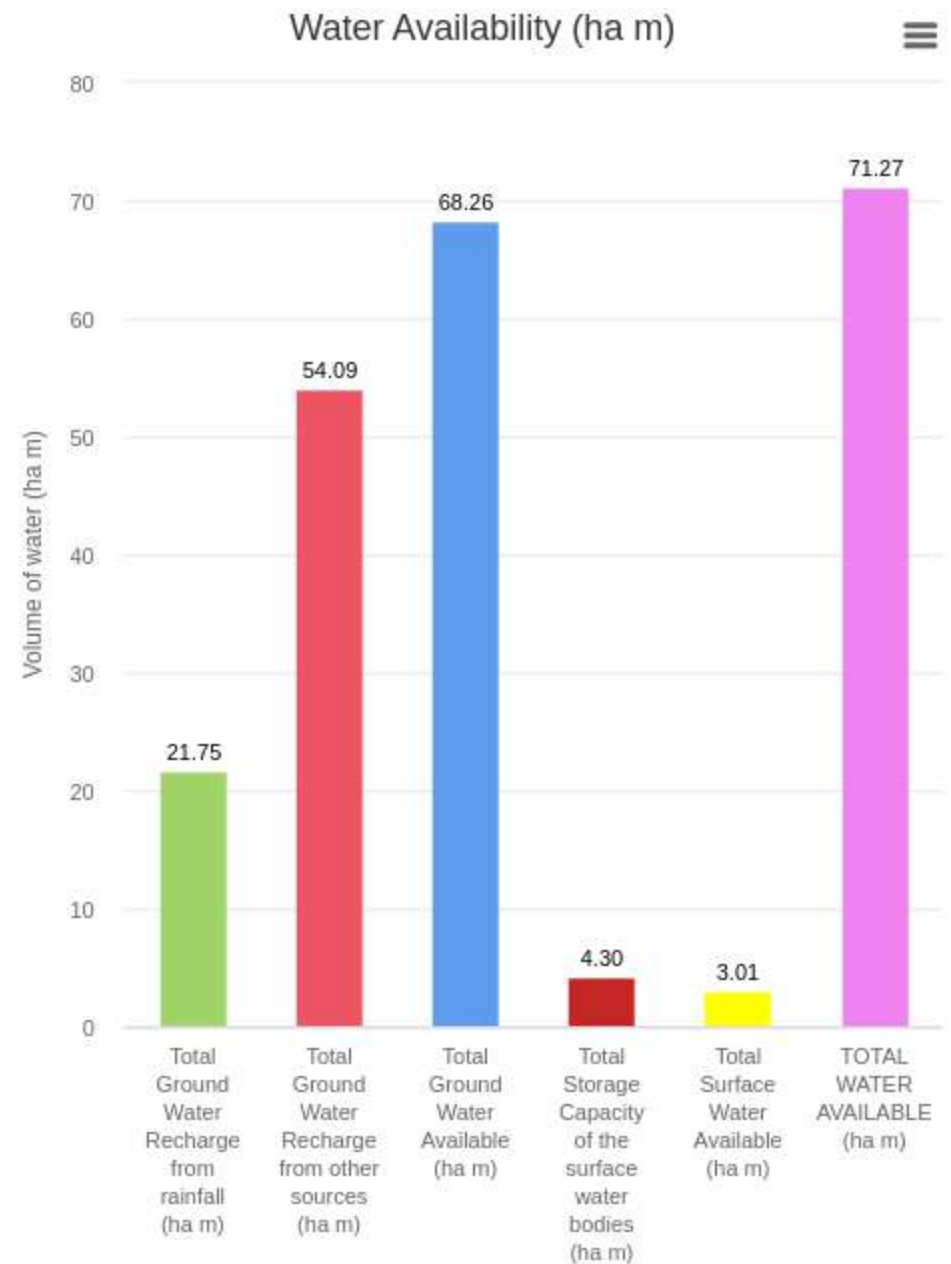
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	BHODWAL MAJRI	WATER SUPPLY	29.195549	77.010986	2022	Tube Well	I&WRD	PAN_SAM_BHO_001
2	BHODWAL MAJRI	FARMER TW	29.18866	77.019249	2022	Tube Well	I&WRD	PAN_SAM_BHO_002



S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC (µS/cm)	TDS (mg/L)	TH (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	Carbo nate (mg/L)	Bicar bonate (mg/L)	Sulph ate (mg/L)	Chlor ide (mg/L)	Fluo ride (mg/L)	Nitr ate (mg/L)
1	PAN_SAM_BHO_001	365.76001	UNCONFINED	8.1	3910	2252	568	131.8	58.3	619	17	24	104	710	53.9	1.9	18.26
2	PAN_SAM_BHO_002	79.248001	UNCONFINED	8.2	1294	834	240	46.4	30.1	83	2.1	88	192	244	39.9	0.86	6.7

## Water Availability Report

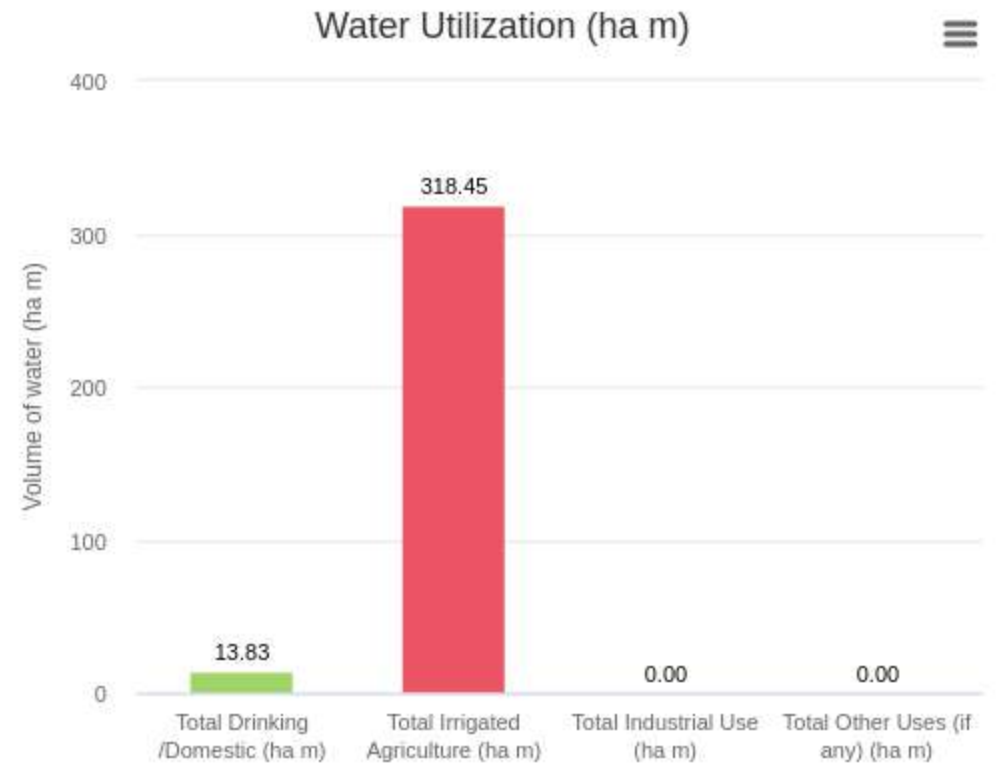
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	624.00
b.	Estimated Volume of Rainfall (ha m)	176.72
c.	Evapotranspiration rate (mm)	370.80
d.	Estimated Evapotranspiration losses (ha m)	105.01
e.	Estimated Water Available From Rainfall (ha m)	71.71
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	21.51
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	17.47
(ii)	Non-Monsoon	4.28
	Total Ground Water Recharge from rainfall (ha m)	21.75
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	21.31
(ii)	Non-Monsoon	32.78
	Total Ground Water Recharge from other sources (ha m)	54.09
c.	Losses Due to Natural Discharge (ha m)	7.58
	Total Ground Water Available (ha m)	68.26
d.	Ground Water Withdrawal (ha m)	154.38
3.	Surface Water	
a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structures	No. of Structures	Storage Capacity (ha m)
Ponds	1	4.3
	Total Storage Capacity of the surface water bodies (ha m)	4.30
(ii)	Losses if Any (%)	30.00
(iii)	Surface Water Available in Storages (ha m)	
		3.01
b.	Transported Water from outside GP area (ha m)	
		0.00
	Total Surface Water Available (ha m)	
		3.01
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	
		71.27





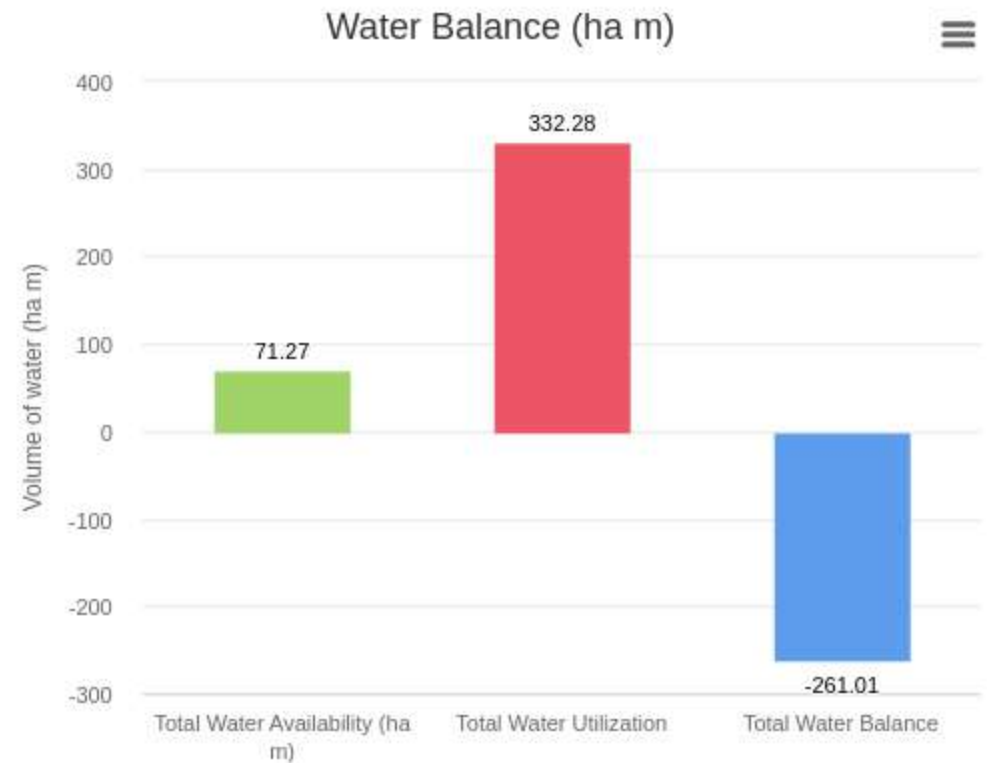
## Water Utilization Report

Water Utilization		
<b>A</b>	<b>Drinking /Domestic (ha m)</b>	
i)	From Surface Water	2.31
ii)	From Ground Water	11.52
	<b>Total Drinking /Domestic (ha m)</b>	<b>13.83</b>
<b>B</b>	<b>Irrigated Agriculture (ha m)</b>	
i)	From Surface Water	0.00
ii)	From Ground Water	318.45
	<b>Total Irrigated Agriculture (ha m)</b>	<b>318.45</b>
<b>C</b>	<b>Industrial Use (ha m)</b>	
i)	From Surface Water	0.00
ii)	From Ground Water	0.00
	<b>Total Industrial Use (ha m)</b>	<b>0.00</b>
<b>D</b>	<b>Other Uses (if any) (ha m)</b>	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	<b>Total Other Uses (if any) (ha m)</b>	<b>0.0000</b>



## Water Balance Report

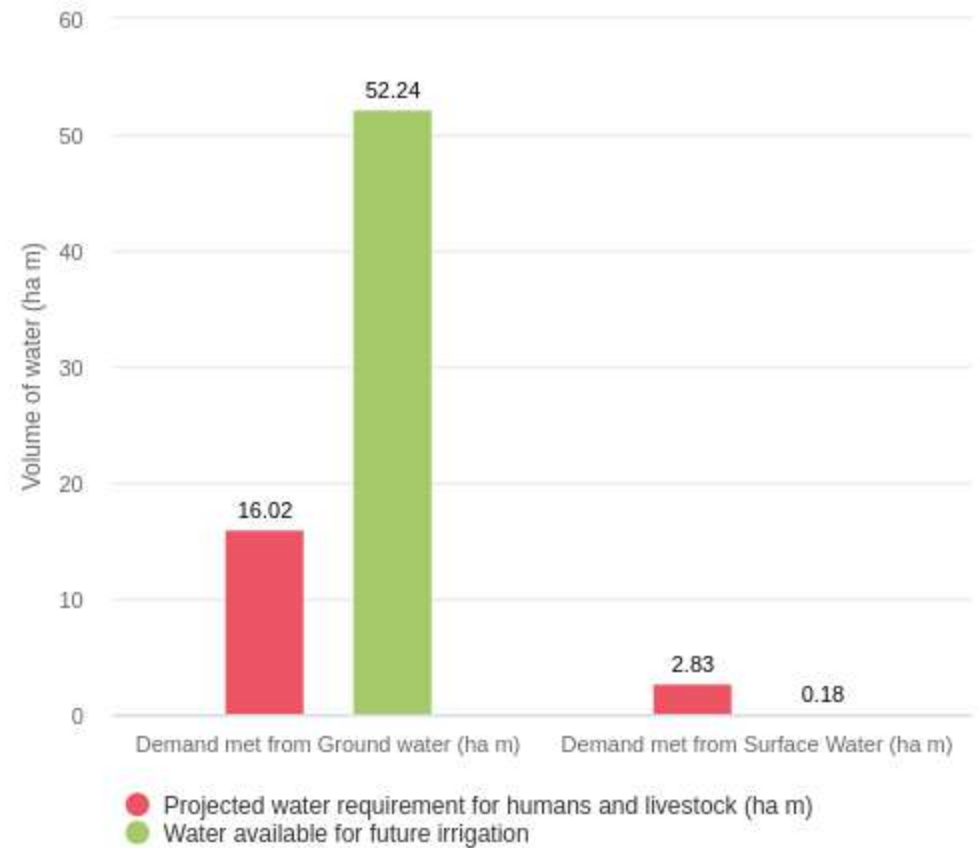
Water Balance		
<b>A</b>	<b>Water Availability (ha m)</b>	
i)	Total Ground Water Available	68.26
ii)	Total Surface Water Available	3.01
	<b>Total Water Availability (ha m)</b>	71.27
<b>B</b>	<b>Water Utilization (ha m)</b>	
i)	Total Surface Water Utilization	2.31
ii)	Total Ground Water Utilization	329.97
	<b>Total Water Utilization</b>	332.28
<b>C</b>	<b>Balance [Surplus (+) / Deficit (-)]</b>	
i)	Total Ground Water Balance	-261.71
ii)	Total Surface Water Balance	0.70
	<b>Total Water Balance</b>	-261.01



## Water Budget Report

A Allocation for Drinking & Domestic Requirements	
<b>I Humans</b>	
i) Present Human Population	3050.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	4259.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	8.55
<b>II Livestock</b>	
i) Present livestock population	1604.00
ii) Annual population growth rate (r)	1.04
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	2143.00
v) Average per capita requirement (L)	131.64
vi) Projected water requirement for livestock (as in 2050) (ha m)	10.30
<b>B Projected water requirement for humans and livestock (ha m) (as in 2050)</b>	
Total Projected water requirement for humans and livestock (as in 2050) (ha m)	18.85
i) Proposed share to be met from Ground water (in % )	85.00
ii) Proposed share to be met from Surface water (in % )	15.00
iii) Demand met from Ground water (ha m)	16.02
iv) Demand met from Surface water (ha m)	2.83
<b>C Water available for future irrigation</b>	
i) Ground Water	52.24
ii) Surface water	0.18
iii) Total water available for future irrigation	52.42

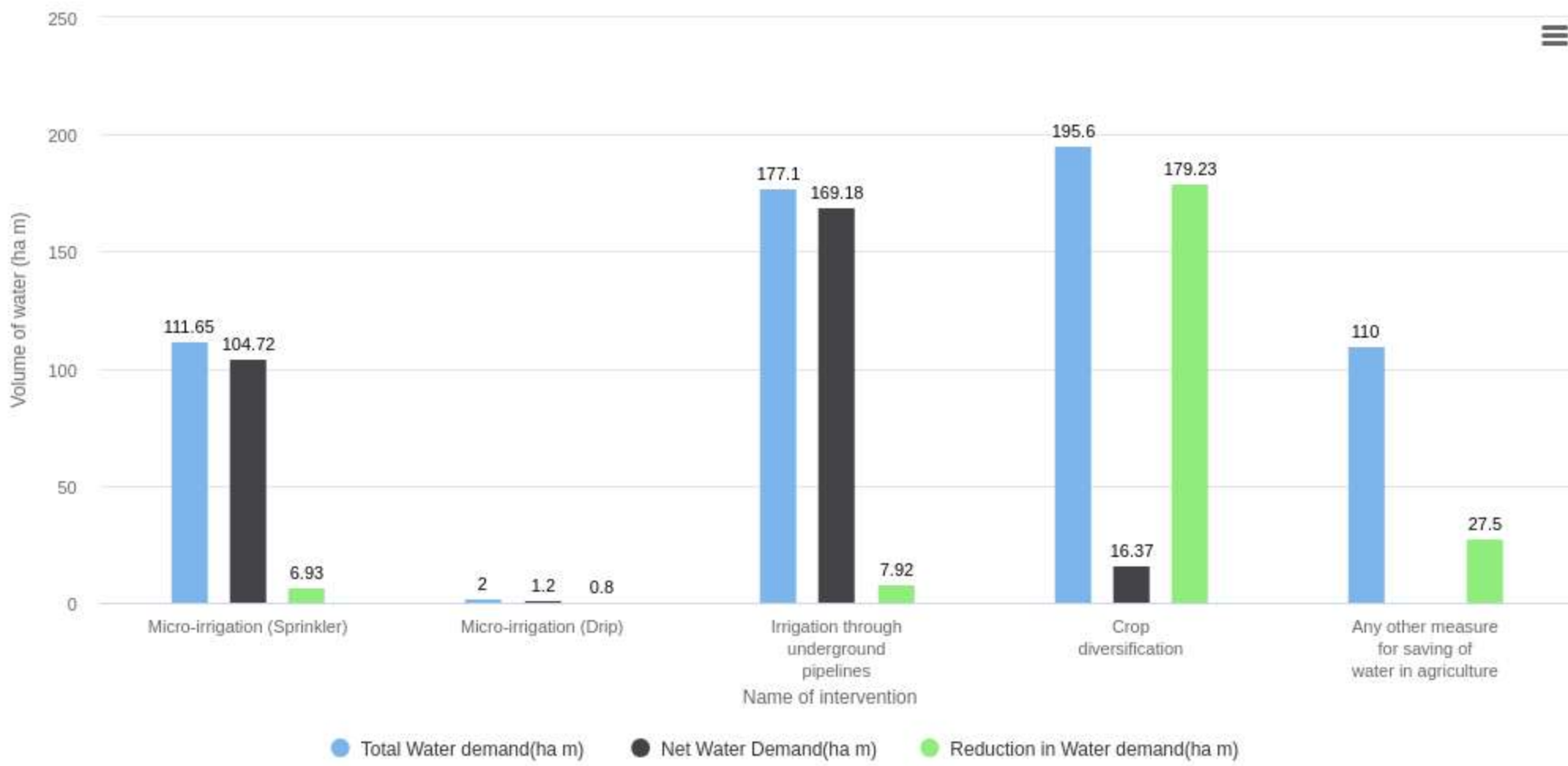
### Projected Water Budget for future use (for year 2050) ☰



## Demand Side

Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ha m)	Net Water Demand(ha m)	Reduction in Water demand(ha m)	Approximate cost(in lakh)
1	Sprinkler	42.00	111.65	104.72	6.93	46.70
2	Drip	3.00	2.00	1.20	0.80	4.59
3	Pipelines	36.00	177.10	169.18	7.92	8.89
4	Crop Diversification	38.4	195.60	16.37	179.23	0.00
5	Other Measures	125.00	110.00	--	27.50	5.56
	<b>Total</b>	<b>244.40</b>	<b>596.35</b>	<b>291.47</b>	<b>222.38</b>	<b>65.74</b>

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	42	2023-24	MICADA	PMKSY(Per Drop More Crop)	46.7010
2	Drip	3	2023-24	MICADA	PMKSY(Per Drop More Crop)	4.5942
3	UG Pipelines	36	2023-24	Agriculture & Farmer Welfare Department	Other	8.8950
4	Other Measures	50	2023-24	Agriculture & Farmer Welfare Department	Other	1.8532
5	Other Measures	25	2023-24	Agriculture & Farmer Welfare Department	Other	2.4708
6	Other Measures	50	2023-24	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.2355
	<b>Total</b>	<b>206</b>				<b>65.75</b>

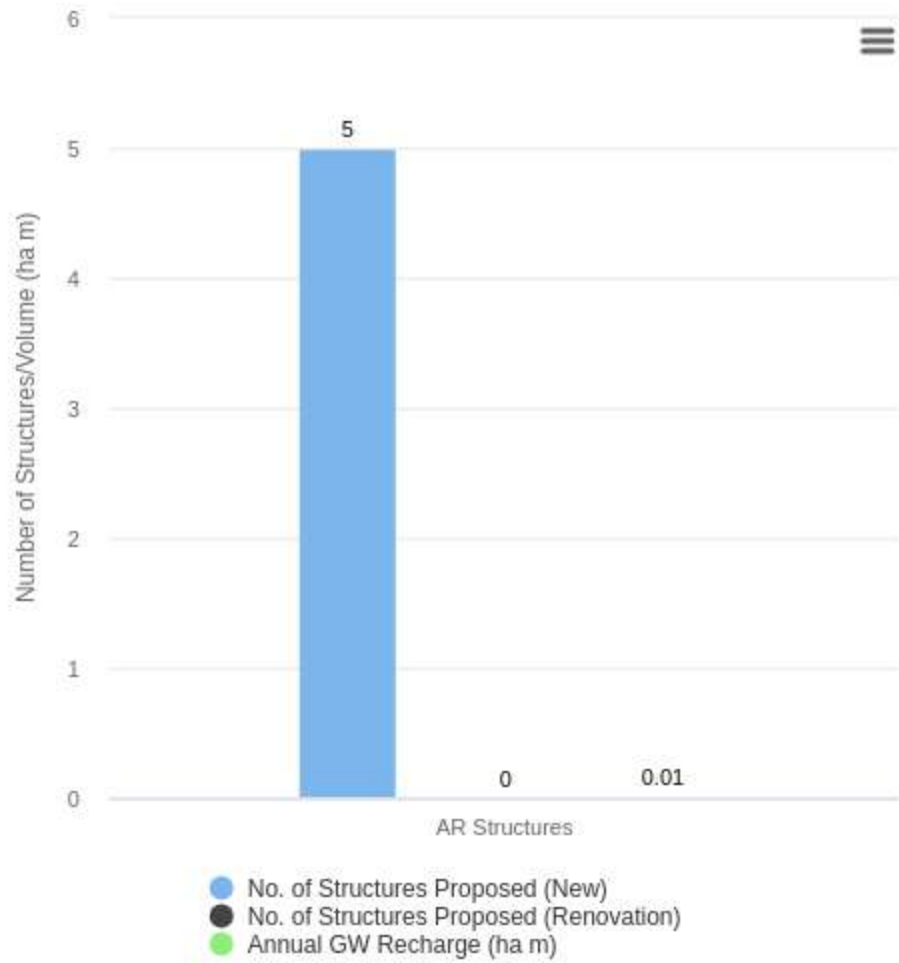




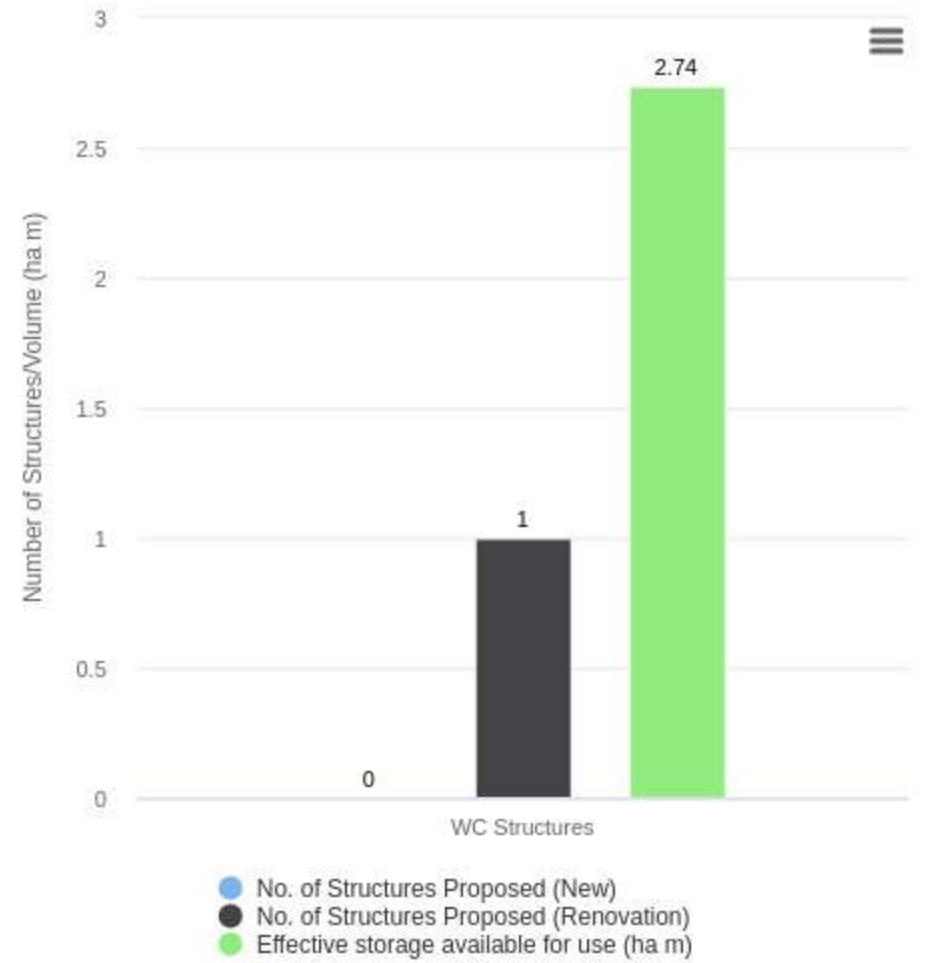




Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



## PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	Sanjogata	chairperson	Female	7015956442
2	Sarla Devi	Member	Female	9728914630
3	Reena Devi	Member	Female	9996335724
4	Krishan	Member	Male	9991350100
5	Savita	Member	Female	9306555408
6	Anita Devi	Member	Female	7015368496
7	Anita Devi	Member	Female	7015368496
8	Sachin	Member	Male	7062670003
9	Sachin	Member	Male	7062670003
10	Sunita Devi	Member	Female	7015241928
11	Sunita Devi	Member	Female	7015241928
12	Priyanka	Member	Female	8708981307
13	Dharmpal	Member	Male	9812746880
14	Ajit	Member	Male	9253844100
15	Shri Pal	Member	Male	9050014007
16	Sushila Devi	Member	Female	9996616498
17	Dharamvir	JE panchayat)	Male	9467285997
18	Mandeep	Gram Sachiv)	Male	9034757633
19	SUNNY ROHILLA	(JE,PHED)	Male	9671123400

Details of PGWM Meeting in which resolution was passed

Sr.no	State	District	Block	Gram Panchayat	Date	GP Name	Village Name	Meeting Location	Male	Female	Transgender	Total number of attendees
1	Haryana_6	Panipat_71	Samalkha_535	Bhodwal Majri_32002	2023-08-21	Bhodwal Majri_32002	Bodhwal Majri (87)	choupal	9	11	0	20

Photograph



## DPMU DECLARATION

I, Suresh Kumar Saini, Executive Engineer, I&WRD Panipat, authorized representative under District Program Management Unit (DPMU) declare that the WSP of Bhodwal Majri Gram Panchayat, Samalkha Block/Taluk Panipat District has been updated by including additional interventions. The Updation has been informed to the community/committee at GP level.

Seal and Signature of authorized DPMU Official:

Date 26/09/2023



Executive Engineer,  
Panipat W.S. Division,  
Irr. & W.R.D. Binjhol  
Gohana Road, Panipat





# अटल ऋजल योजना

ग्राम पंचायत :- मोडवाल माजरी

ब्लॉक :- समालखा

जिला :- पानीपत

दिनांक :- 21/08/2023

आज, दिनांक 21/08/23 को ग्राम पंचायत मोडवाल माजरी ब्लॉक समालखा जिला पानीपत में अटल ऋजल योजना के अन्तर्गत मीटिंग का आयोजन किया गया। जिसकी अध्यक्षता ग्राम संपन्न सजीवता के द्वारा भी गई अटल ऋजल योजना से उत्पन्न DIP टीम से रजिष्ट्रार डॉक्टर शिवा सुचना एवं संचार विभागा ने अटल ऋजल योजना की स्कीमों के ग्राम पंचायत स्तर पर हो रहे। कार्य के बारे में विस्तार पूर्वक जानकारी दी।

इस मीटिंग में आशा वर्कर, आजादी वर्कर, 2 युवक उपरी 22, किसान, महिलाओं व PWS के सदस्यों ने कृ- चक्रण का लिया और अटल ऋजल योजना से सम्बन्धित विचार रखे।

मीटिंग के दौरान जल सुरक्षा योजना में पूर्ण में कार्य लिये गये थे उन पर चर्चा की गई ग्रामीणों को डिमांड व सप्लाई साइट के द्वारा ग्राम में जो कार्य करवाने वाले थे तथा जो कार्य पूर्ण है उनके इस पर ग्रामीणों को बताया। ग्रामीणों ने डिमांड व सप्लाई साइट में लिये गए कार्य के बारे में पूछा गया। इस वर्ष बितने कार्य पूर्ण

ही जाये। तथा अन्य इस कार्य ग्राम पंचायत के  
अनुभव पूर्ण होंगे। इस सम्बन्ध में ब्लॉक कोऑर्डिनेटर  
के पूर्ण जानकारी से।

उन्होंने बताया कि जो कार्य डिमांड व सप्लाइ साईड  
में जो कार्य लिये गये थे उन सभी कार्य  
को इस वर्ष पूर्ण करवाये जायेंगे।

इस मीटिंग में ग्राम सरपंच, PWSC मम्बरी व  
ग्रामीणों ने इस प्रस्ताव को संवेदनशील से  
पास लिया।

Phalgun  
1st District

SACHIN  
Raj CRP

Sangjate  
सरपंच

ग्राम पंचायत भोंदवाल मा.सं.  
सुन्दर लाल खन्ना (पानीपत)

RESOLUTIONDATE 21/08/23

It is hereby resolved that the Water Budget / Water Security Plan (WSP)

of Bhodwal Majri Gram Panchyat, Samalkha Block/Taluk/Mandal Panipat District Haryana State is Complete in all Respect and has

Been prepared through consultative process including the members of Village Water and Sanitation

Committee (VWSC) / equivalent Committee and was approved in the meeting held on 21/08/2023

SR. NO	DESIGNATION	NAME	SIGNATURE
1	Gram Panchyat Adhyaksha (Sarpanch) / President of VWSC/ Presiding officer of the Meeting	<u>Sandogda</u>	<u>Sandogda</u> सरपंच ग्राम पंचायत भोड़वाल मा. खण्ड समालखा (पानीपत)
2	Gram Panchyat Secretary	<u>mandeep Singh</u>	<u>M</u>



## Atal Bhujal Yojana

## Attendance Sheet

Name of the Gram Panchayat.....Bhadrala Mahi.....Block.....Sarnal Kls.....District.....Ranipet.....

Date of the Meeting.....21.08.23..... Meeting.....

Sr.No	Name	Gender	Category	Occupation	Are You a Member of any Committee	If yes mention the Committee Name	Land in Acre	Contact Details	Signature
1	Sanyogata	F	Sc	selfandh	Yes	vWSC		7015956449	Sanyogata
2	Sarla Devi	F	Gen	member	Yes	vWSC		9788914630	Sarla
3	Reema Devi	F	"	member	Yes	vWSC		9996335724	Reema
4	Krishnam	M	"	member	Yes	vWSC		9991350100	Krishnam
5	Savita	F	"	A.WW	Yes	vWSC		9306555408	Savita
6	Anita Devi	F	"	member	Yes	vWSC		7015368496	Anita
7	Sumita Devi	F	"	"	Yes	vWSC		7062670003	Sumita
8	Sachin	M	"	"	Yes	vWSC		7015241928	Sachin
9	Dejyankta	F	"	"	Yes	vWSC		8708981307	Dejyankta
10	Dharmapal	M	"	Farmer	-	-		9812746880	Dharmapal
11	Ajit	M	"	Member	Yes	vWSC		9953844100	Ajit
12	Sris Pal	M	"	Member	Yes	vWSC		9050014007	Sris Pal
13	Sushila Devi	F	"	Member	Yes	vWSC		9996616498	Sushila

*Sanyogata*  
Secretary

**Atal Bhujal Yojana**  
**Atal Bhujal Yojana (Paniyanti)**



## Atal Bhujal Yojana

## Attendance Sheet

Name of the Gram Panchayat..... Bhedwal Madhi ..... Block..... Sawal Kh ..... District..... Pamilet .....

Date of the Meeting..... 21.8.23 ..... Meeting.....

Sr.No	Name	Gender	Category	Occupation	Are You a Member of any Committee	If yes mention the Committee Name	Land in Acre	Contact Details	Signature
14	Dharamvir	M	Gen	Farmer	-	-		9467985997	Dharamvir
15	Monddeep	M	"	"	-	-		9034757633	Monddeep
16	Sunny	M	"	"	-	-		9671123400	Sunny
17	Nirmala	F	"	A.W	Yes	Ausc		9896240112	Nirmala
18	Monika	F	"	A.W	-	-		9729833989	Monika
19	Heelan	F	"	A.W	-	-		9501142203	Heelan
20	Kamal	M	"	Farmer	-	-		7015956442	Kamal

*Sampate*  
सरपंच

ग्राम पंचायत भोदवाल माजरी  
Bhedwal Madhi (Panchayat)