

Water Security Plan Report

Date : 30-09-2023 Time : 3:10 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: PALWAL_619 »

BLOCK: HODAL_467 »

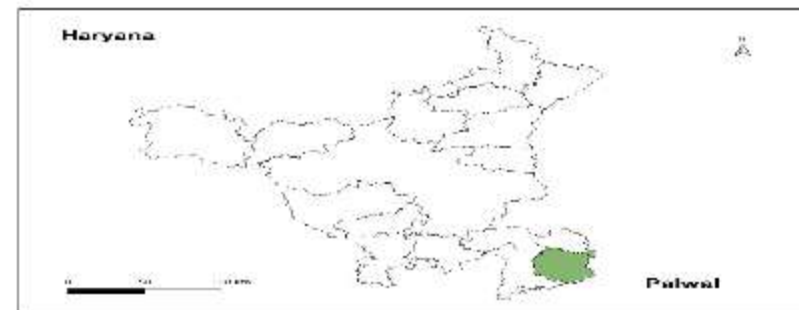
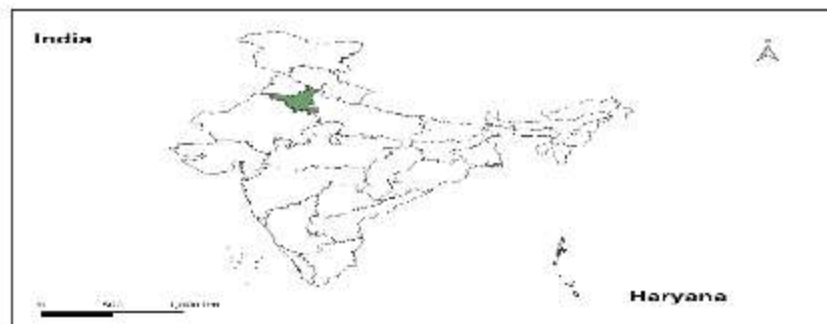
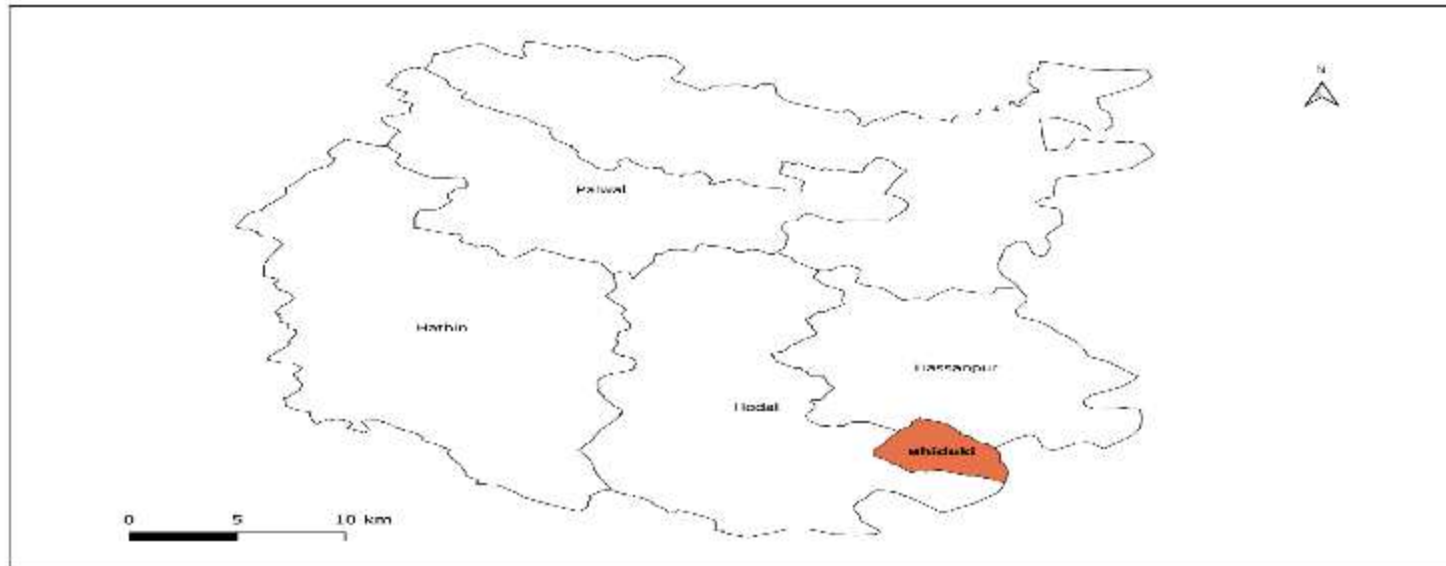
GRAM PANCHAYAT: BHIDUKI_28852 »

YEAR: 2023-24 »

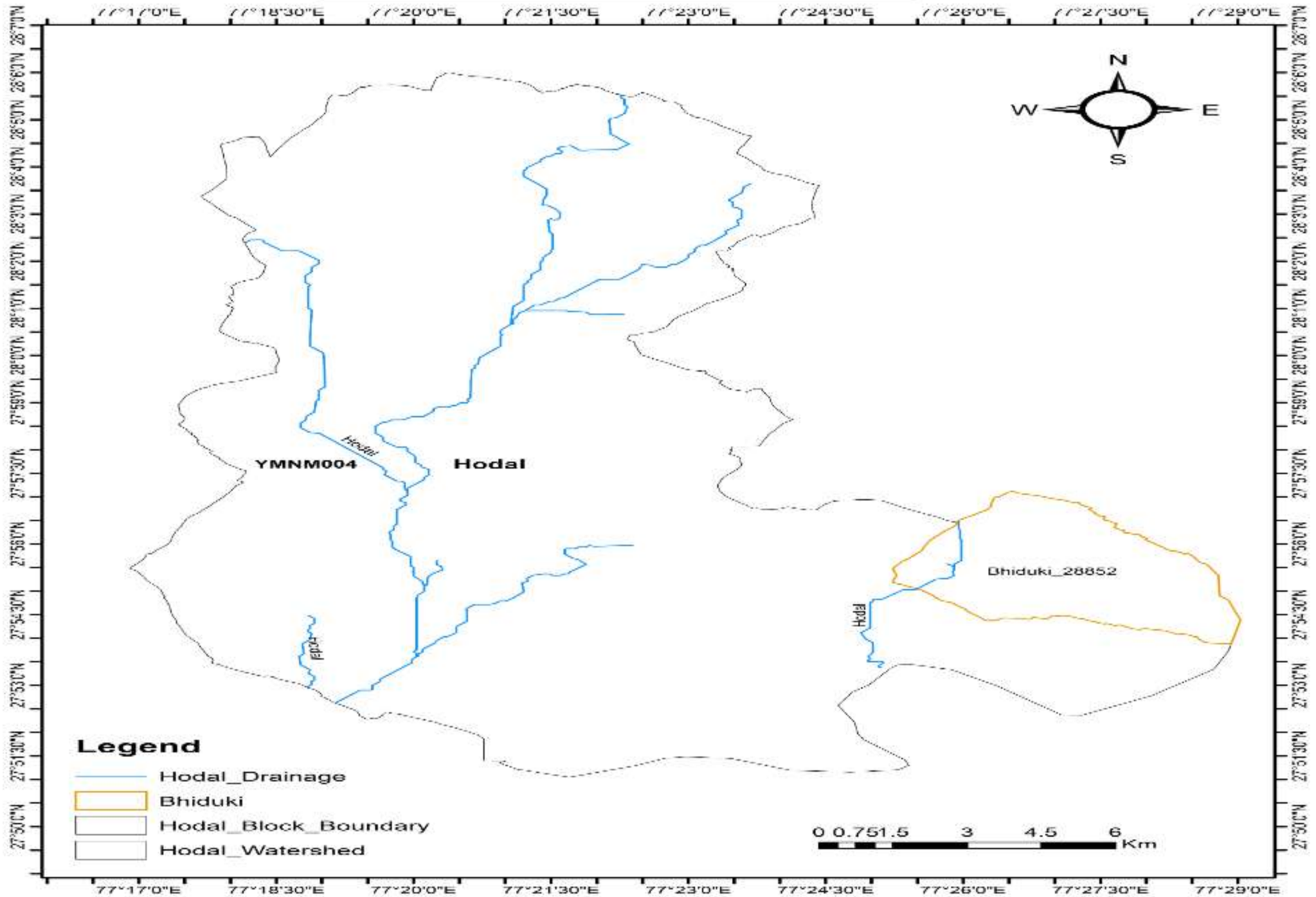
Gram Panchayat Information

State:	Haryana_6	District:	Palwal_619
Block / Taluk :	Hodal_467	GP Name :	Bhiduki_28852
GP ID :	28852	Block Area (Ha) :	30335.00
GP area (Ha) :	2038.00	Watershed Code :	YMNM004
Watershed name :	yAMUNA	Watershed area in Block / Taluk (Ha) :	244653.04
Sub-basin Code :	2a	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2c	Basin Name :	Yamuna

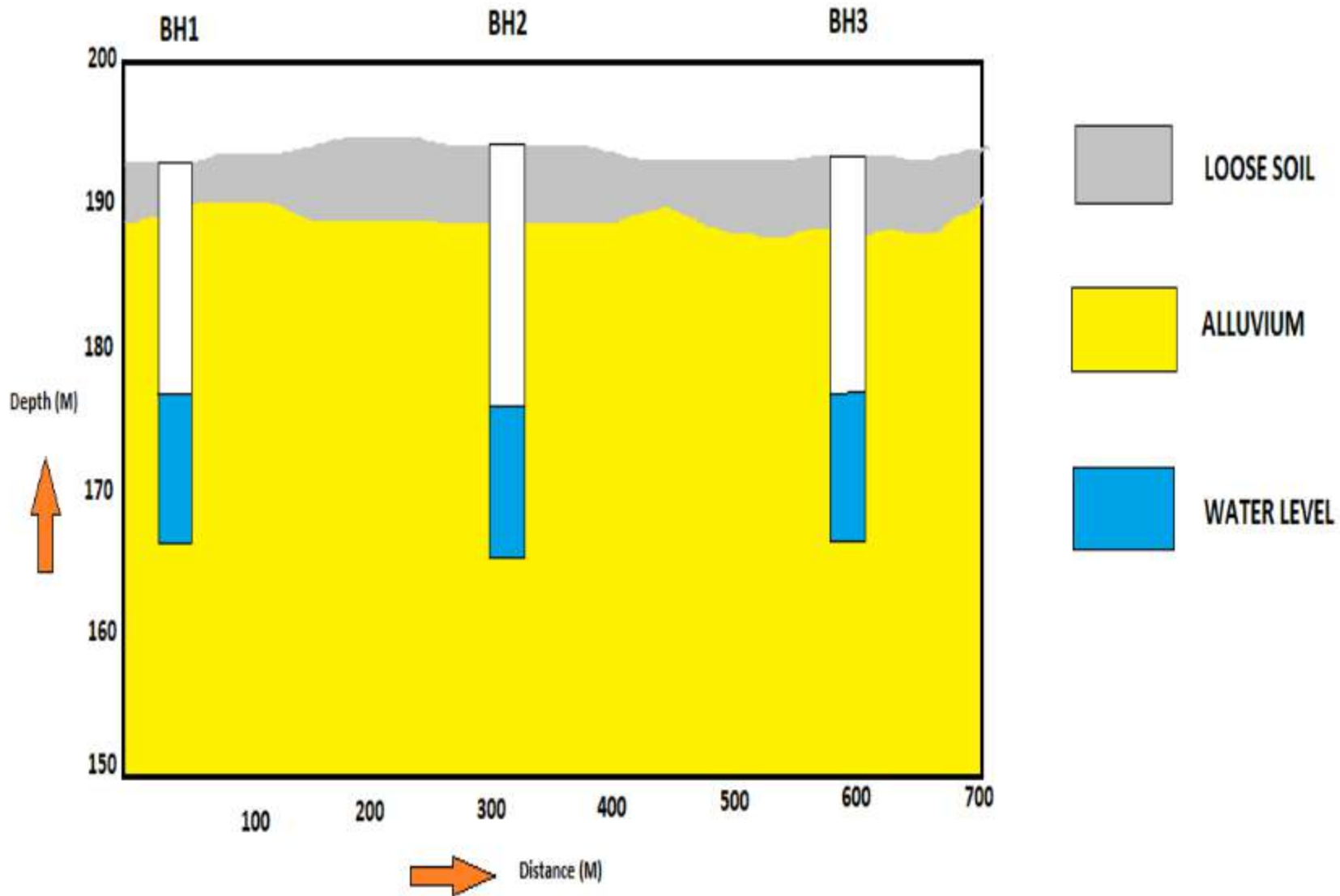
Location map: Bhiduki Gram Panchayat, Hodal block, Palwal District, Haryana



Bhiduki: Drainage & Watershed Map



Aquifer map: Bhiduki Gram Panchayat, Hodal Block, Palwal District, 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	Bhiduki	New Sarpanch Bagwani	27.91655	77.45531	15:24.5	028852-001	Dug Well	null	Private	null	1.46	18	0.4	4.3	20-05-23
	Bhiduki	New Sarpanch Bagwani	27.91655	77.45531	15:24.5	028852-001	Dug Well	null	Private	null	1.46	18	0.4	4.2	24-07-23
	Bhiduki	New Sarpanch Bagwani	27.91655	77.45531	15:24.5	028852-001	Dug Well	null	Private	null	1.46	18	0.4	2.65	26-09-23
	Bhiduki	New Sarpanch Bagwani	27.91655	77.45531	15:24.5	028852-001	Dug Well	null	Private	null	1.46	18	0.4	4.4	29-06-23
	Bhiduki	New Sarpanch Bagwani	27.91655	77.45531	15:24.5	028852-001	Dug Well	null	Private	null	1.46	18	0.4	3.57	24-08-23

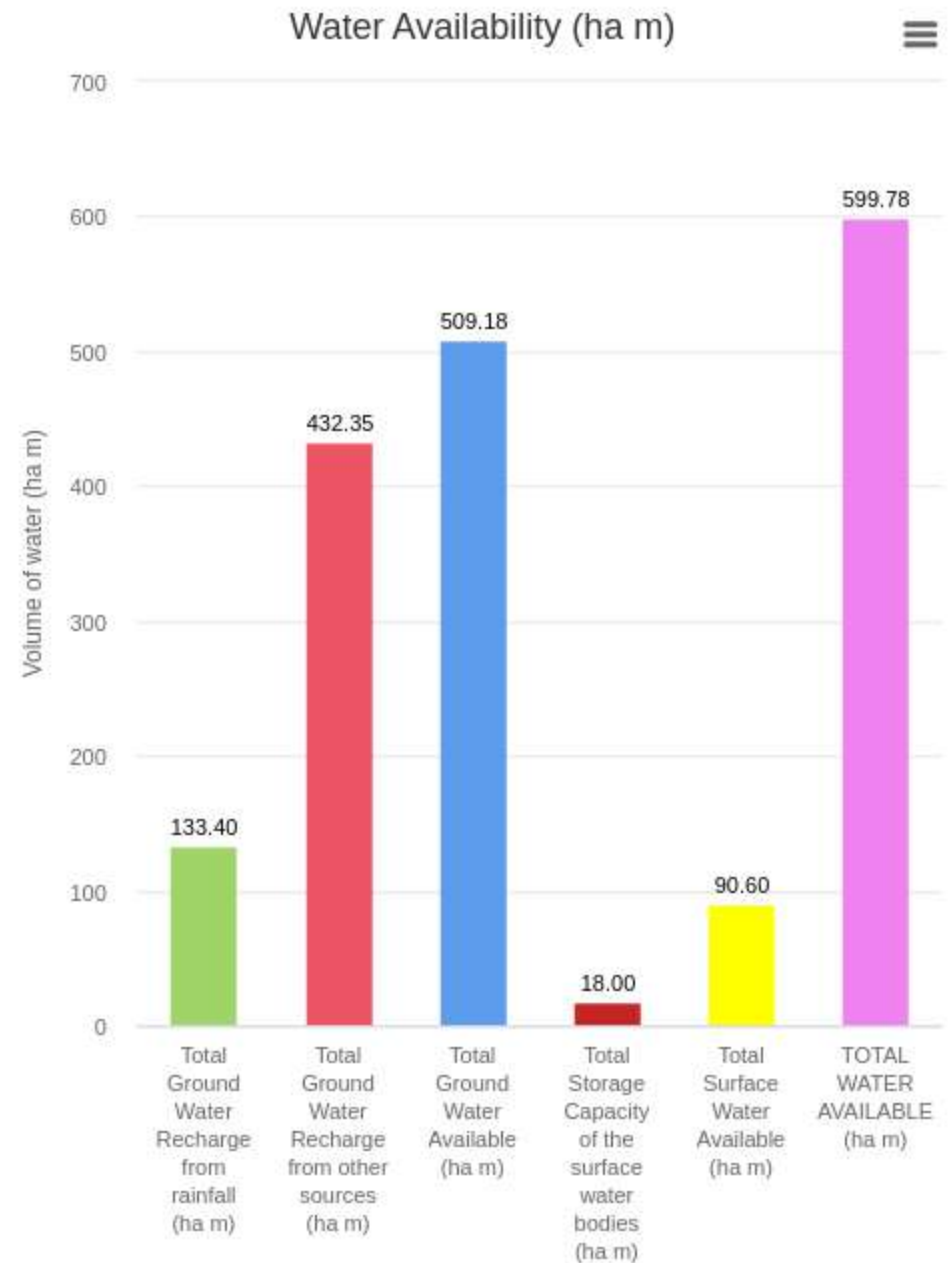
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	BHIDUKI	BHIDUKI	27.918283	77.449615	2022	Tube Well	I&WRD	PAL/HOD/BHI/001
2	BHIDUKI	BHIDUKI	27.920404	77.450294	2022	Tube Well	I&WRD	PAL/HOD/BHI/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	PAL/HOD/BHI/001	17	ALLUVIAL	7.5	3830	2298	750	57.6	147	310	3	0	264	252	760	0.82	9
2	PAL/HOD/BHI/002	17	ALUVIAL	8.2	4034	2420	400	25.6	82	700	8	88	268	292	780	1.08	23

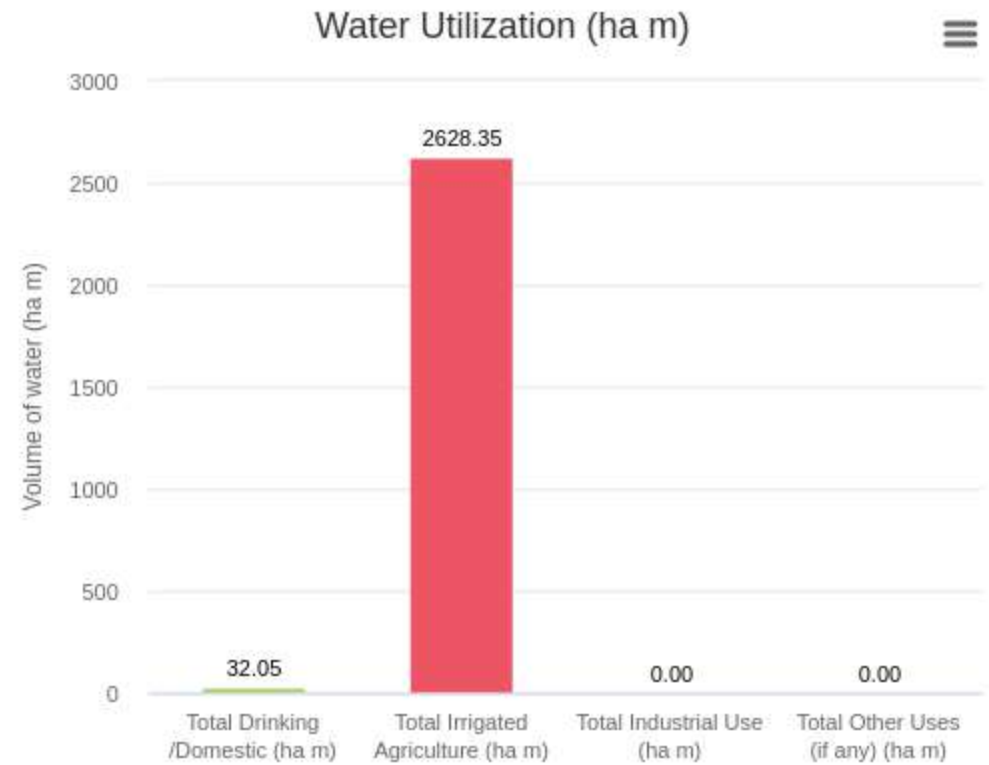
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	675.80
b.	Estimated Volume of Rainfall (ha m)	1377.28
c.	Evapotranspiration rate (mm)	378.43
d.	Estimated Evapotranspiration losses (ha m)	771.24
e.	Estimated Water Available From Rainfall (ha m)	606.04
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	181.81
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	111.85
(ii)	Non-Monsoon	21.55
	Total Ground Water Recharge from rainfall (ha m)	133.40
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	194.98
(ii)	Non-Monsoon	237.37
	Total Ground Water Recharge from other sources (ha m)	432.35
c.	Losses Due to Natural Discharge (ha m)	56.57
	Total Ground Water Available (ha m)	509.18
d.	Ground Water Withdrawal (ha m)	422.07
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	4	18
	Total Storage Capacity of the surface water bodies (ha m)	18.00
(ii)	Losses if Any (%)	30.00
(iii)	Surface Water Available in Storages (ha m)	12.60
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	90.60
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	599.78



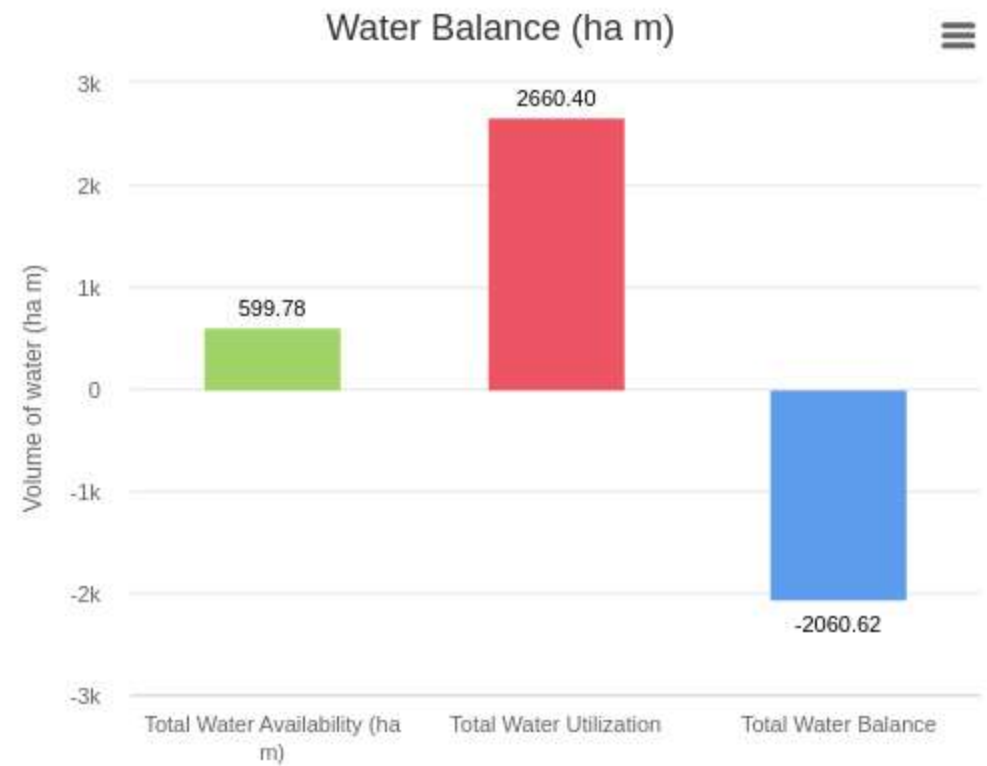
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	6.76
ii)	From Ground Water	25.29
	Total Drinking /Domestic (ha m)	32.05
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	78.85
ii)	From Ground Water	2549.50
	Total Irrigated Agriculture (ha m)	2628.35
C	Industrial Use (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	0.00
	Total Industrial Use (ha m)	0.00
D	Other Uses (if any) (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	Total Other Uses (if any) (ha m)	0.0000



Water Balance Report

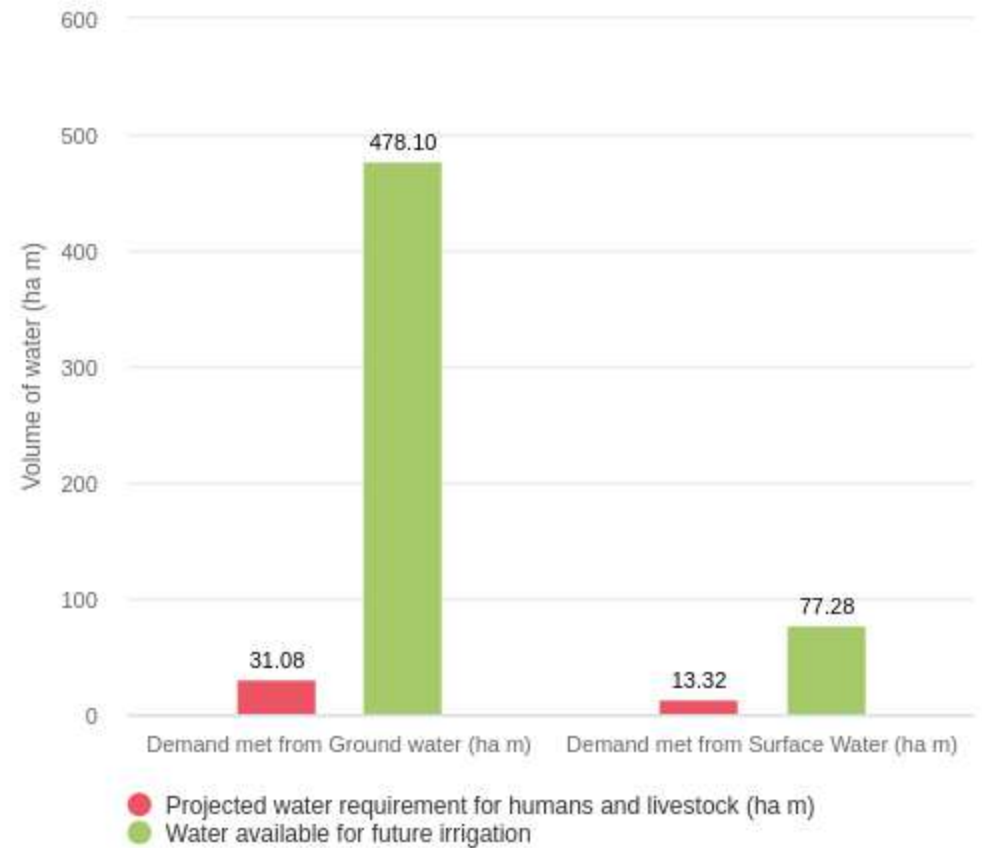
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	509.18
ii)	Total Surface Water Available	90.60
	Total Water Availability (ha m)	599.78
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	85.61
ii)	Total Ground Water Utilization	2574.79
	Total Water Utilization	2660.40
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-2065.61
ii)	Total Surface Water Balance	4.99
	Total Water Balance	-2060.62



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	12719.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	17763.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	35.66
II Livestock	
i) Present livestock population	4924.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	6597.00
v) Average per capita requirement (L)	36.28
vi) Projected water requirement for livestock (as in 2050) (ha m)	8.74
B Projected water requirement for humans and livestock (ha m) (as in 2050)	
Total Projected water requirement for humans and livestock (as in 2050) (ha m)	44.40
i) Proposed share to be met from Ground water (in %)	70.00
ii) Proposed share to be met from Surface water (in %)	30.00
iii) Demand met from Ground water (ha m)	31.08
iv) Demand met from Surface water (ha m)	13.32
C Water available for future irrigation	
i) Ground Water	478.10
ii) Surface water	77.28
iii) Total water available for future irrigation	555.38

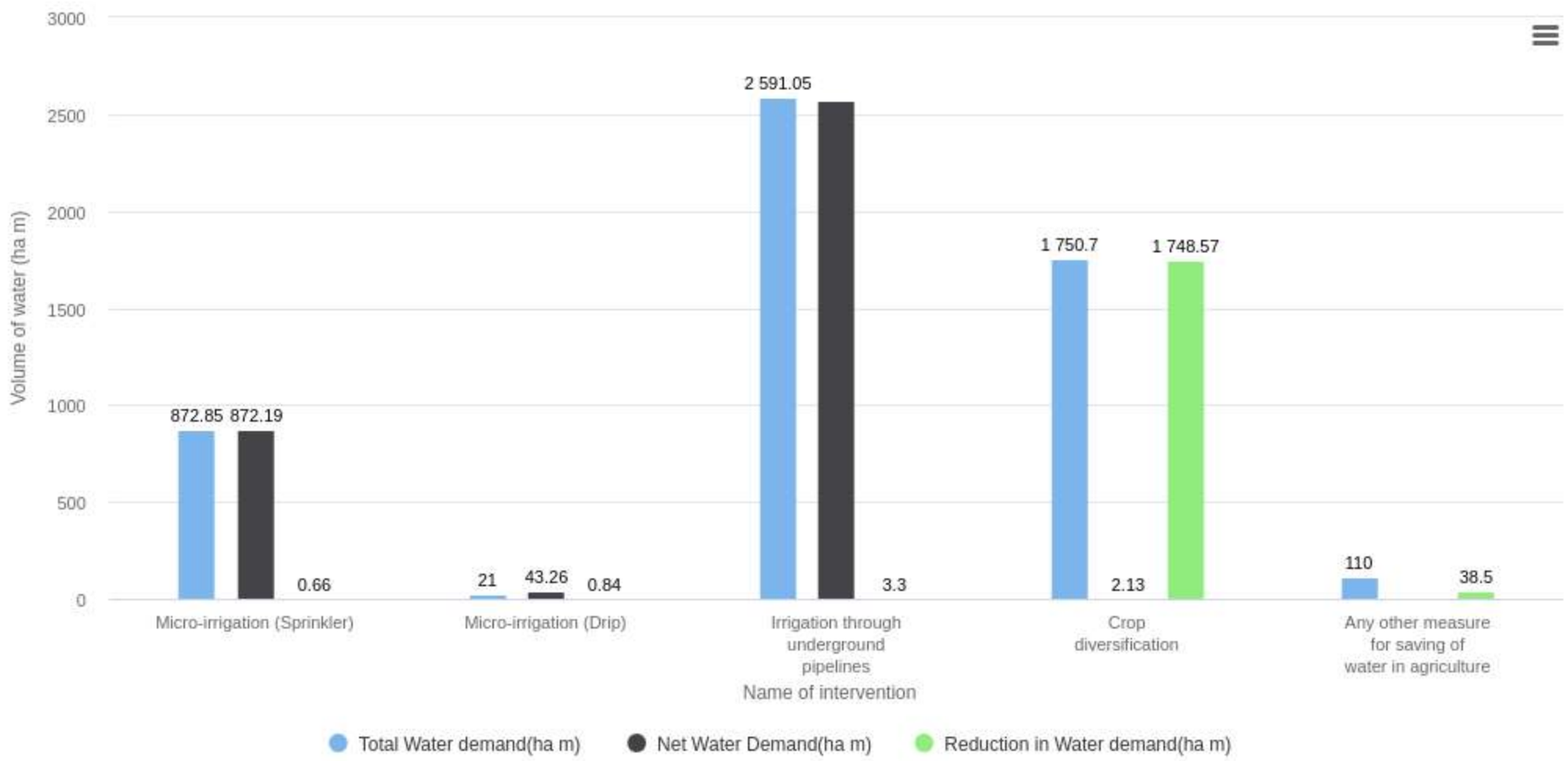
Projected Water Budget for future use (for year 2050) ☰



Demand Side

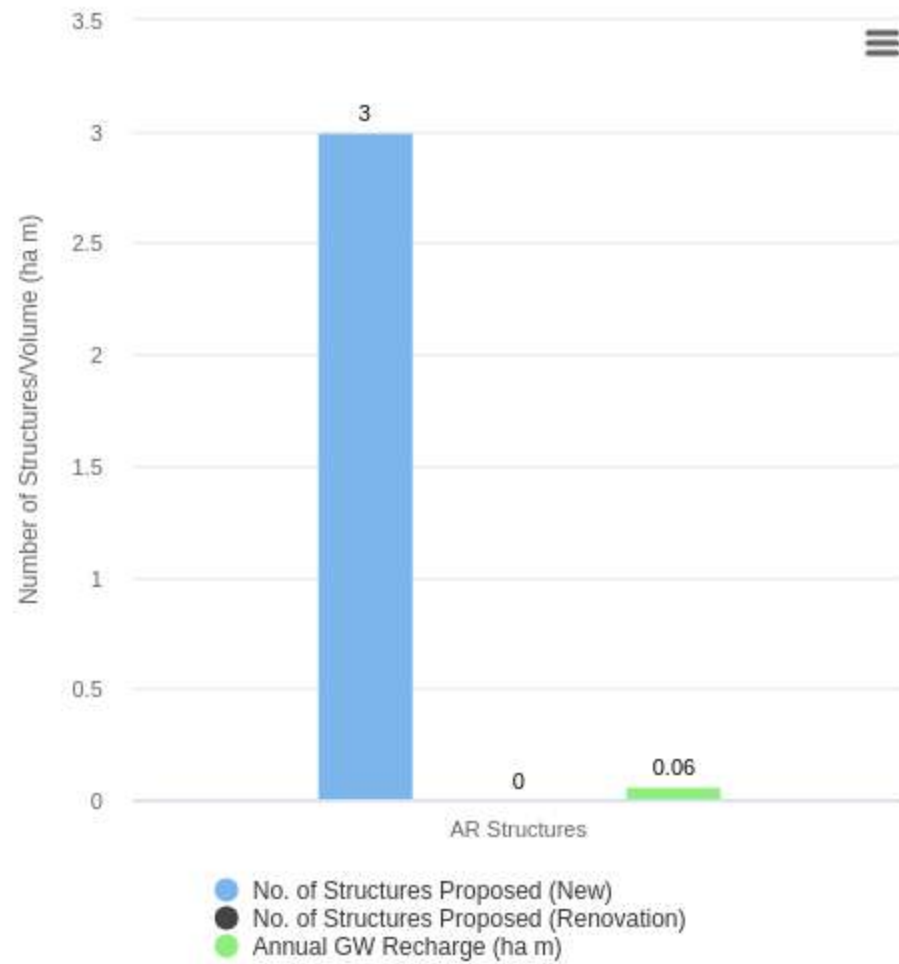
Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ha m)	Net Water Demand(ha m)	Reduction in Water demand(ha m)	Approximate cost(in lakh)
1	Sprinkler	4.00	872.85	872.19	0.66	4.06
2	Drip	1.00	21.00	43.26	0.84	1.06
3	Pipelines	20.00	2591.05	2574.55	3.30	12.00
4	Crop Diversification	5	1750.70	2.13	1748.57	0.88
5	Other Measures	100.00	110.00	--	38.50	5.00
	Total	130.00	5345.60	3492.13	1791.87	23.00

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	4	2023-24	MICADA	PMKSY	4.06
2	Drip	1	2023-24	MICADA	PMKSY	1.06
3	UG Pipelines	20	2023-24	Agriculture Soil & Conservation Office	Rashtriye Krishi VikasYoajan (RKVY)	12
4	Crop Diversification	5	2023-24	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	0.875
5	Other Measures	100	2023-24	Agriculture & Farmer Welfare Department	Other	5
	Total	130				22.99

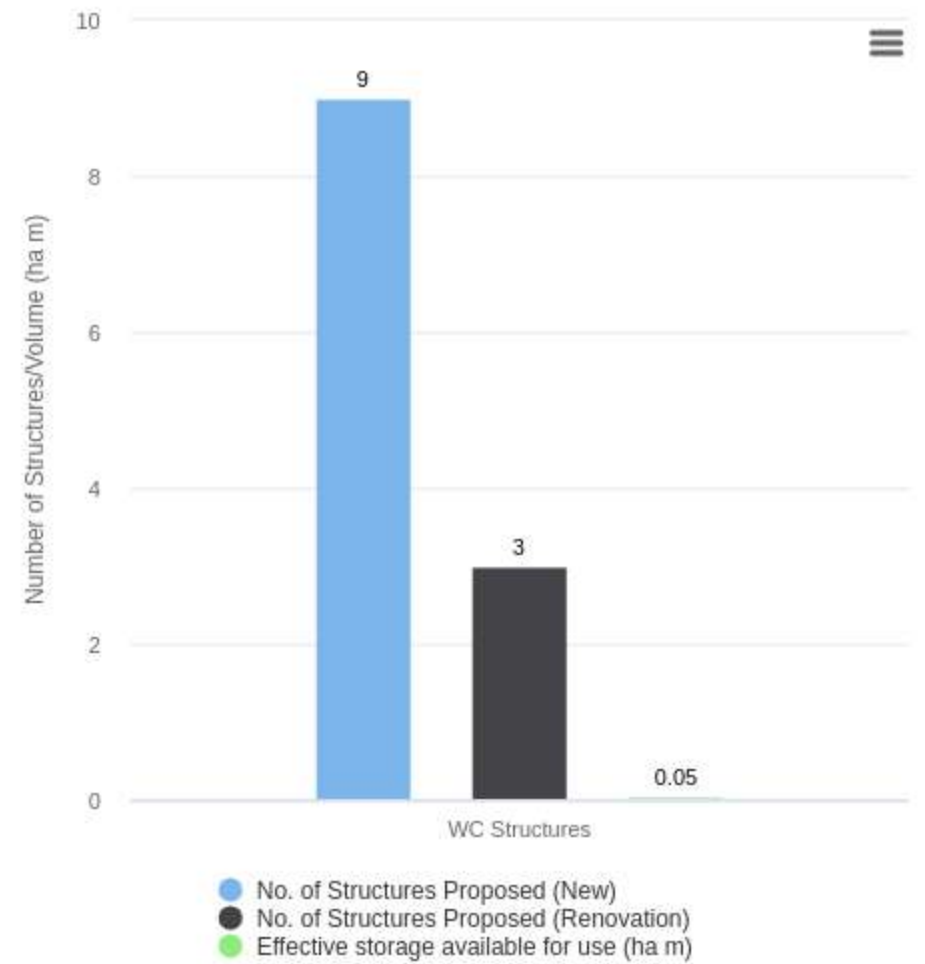


Supply Side (Water Conservation Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Tanka(New)	0.02	0.00	Bhiduki(99)	27.917699	77.456897	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
2	Tanka(New)	0.02	0.00	Bhiduki(99)	27.9165846	77.4569872	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
3	Tanka(New)	0.02	0.00	Bhiduki(99)	27.9156486	77.4586957	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
4	Pond/Amrit Sarovar(Renovation)	0.47	0.03	Bhiduki(99)	27.9205717	77.4524055	2023-24	Rural Department and Panchayati Raj	Amrit Sarovar	19.5
5	Pond/Amrit Sarovar(Renovation)	0.35	0.02	Bhiduki(99)	27.914534	77.453355	2023-24	Rural Department and Panchayati Raj	Amrit Sarovar	19
6	Tanka(New)	0.02	0.00	Bhiduki(99)	27.918096	77.45131	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
7	Tanka(New)	0.02	0.00	Bhiduki(99)	27.917366	77.451449	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
8	Tanka(New)	0.02	0.00	Bhiduki(99)	27.915954	77.452587	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
9	Tanka(New)	0.02	0.00	Bhiduki(99)	27.914512	77.451181	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98
10	Tanka(New)	0.02	0.00	Bhiduki(99)	27.915821	77.452587	2023-24	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	0.98

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	Shashi bala	Chairperson	Female	8510045610
2	jile singh	Member	Male	9813700309
3	raj kumar	Member	Male	9996446061
4	santosh	Member	Female	9991540126
5	kamla	Member	Female	9050975746
6	rekha	Member	Female	7027841057
7	chote	Member	Male	7082386438
8	Rekha	Member	Female	8708240787
9	naresh kumar	Member	Male	9813265940
10	yogesh sharma	Member	Male	9017205809
11	RAGHUBIR SINGH	Member	Male	9466243587
12	AJAY KANGRA	Technical Member (JE,PHED)	Male	9990508999
13	Sameem khan	Member (Gram Sachiv)	Male	9050861951

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	Palwal_619	Hodal_467	Bhiduki_28852	2023-08-24	Bhiduki_28852	Bhiduki(99)	Nambardar ki baithak	15	5	0	20

Photograph




Annexure -II

DPMU DECLARATION

I, MOHIT VASHIKHTA (Name), XEN
(Designation), authorized representative under District Program Management Unit
(DPMU) declare that the Water Security Plan (WSP) submitted for the
Bhiduti Gram Panchayat,
Hodal Block/Taluk, Palwal District is
complete in all respect.

It is hereby confirmed that the Minutes of community-level Meeting and Resolution attached
are in order and signed by authorized signatories.


Executive Engineer
Palwal Water Services Division
PALWAL

Seal and Signature of authorized DPMU Official:

Date:

WSTEC


GWE

साथ पंचायत - सिडकुली

2010-11 - 1st year

विषय - पंचायत

प्रश्न 1 - पंचायत सुरुवात योजना में संशोधन

आज दिनांक 24/08/2023 को PPT Team द्वारा साथ पंचायत सिडकुली में सम्बन्धित एक बैठक पर ग्राम मुख्यालय में तब पंचायत सुरुवात योजना हेतु बैठक का आयोजन किया गया इसमें ग्राम मुख्यालय के प्रमुख पर निम्न से चर्चा की गई। निम्न सरपंच के मुख्य सदस्य ग्राम मुख्यालय के साथ पंचायत के लिए पंचायत सुरुवात कार्य हेतु चर्चा की गई।

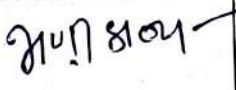

निष्कर्ष :- ABY एक बैठक में मुख्य न्यायाधीश के अध्यक्ष व पंचायत सिन्डिकेट, मुख्य निरीक्षण, मुख्यालय परिसर निरीक्षण के लिए ग्राम मुख्यालय के अध्यक्ष का अध्यक्षता में बैठक का आयोजन किया गया। बैठक में मुख्य न्यायाधीश के अध्यक्षता में ग्राम मुख्यालय के अध्यक्ष का अध्यक्षता में बैठक का आयोजन किया गया। बैठक में मुख्य न्यायाधीश के अध्यक्षता में ग्राम मुख्यालय के अध्यक्ष का अध्यक्षता में बैठक का आयोजन किया गया।

ANNEXURE III

RESOLUTION

Date: 29/08/2023

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Bhiduki Gram Panchayat, Hoelal Block/Taluk/Mandal, Patwar 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 29/08/2023

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Sabhi Babu	
2	Gram Panchayat Secretary	Sameen Khan	

Village - Bhidulki
 Block - Hoelul
 Dist - Patwar

24/08/2023

Sr. no	Name	Gender • Female • Male • Other	Category • General • OBC • ST • SC	Occupation	Are you a member of any committee? (Yes/No)	If yes, name of the committee	Land holding Status • Landless • <2.5 acre • 2.5-5 acre • >5 acre	Phone no	Signature
1.	Sashibala	Female	General	Sup ranch	Yes	VWSC	3 Acre	921574378	Sashibala
2	Jile Singh	Male	General	Member	Yes	VWSC	2.5 Acre	9813700309	Jile Singh
3	Raj Kumar	Male	General	member	Yes	VWSC	2.5 Acre	9996446061	राज कुमार
4	Santosh	Female	General	member	Yes	VWSC	2.5 Acre	9991540126	Santosh
5	Kamla	Female	General	Member	Yes	VWSC	3. Acre	9050975746	Kamla
6	Rekha	Female	General	Member	Yes	VWSC	2. Acre	7027946488	रेखा
7	chote	Male	General	Member	Yes	VWSC	2.5 Acre	8708240787	चोटे
8	Rekha	Female	General	Member	Yes	VWSC	2.5 Acre	7082386438	रेखा
9.	Naresh Kumar	Male	General	Member	Yes	VWSC	2.5 Acre	9813265940	Naresh Kumar
10	Ratan Singh	Male	Gen	Farmer	No	No	2.5 Acre	9813704407	Ratan Singh
11	Sethi	Male	Gen	Farmer	No	No	3 Acre	9813700309	सेठी
12.	Chander	Male	Gen	Farmer	No	No	2. Acre	7082386438	चण्ड
13	Manish	Male	Gen	Farmer	No	No	2.5 Acre	8059183641	मनिश
14.	Birendra Singh	Male	Gen	Nambardar	Yes	VWSC	3 Acre	8059441929	बिरेन्द्र सिंह
15.	Samay Singh	Male	Gen	Farmer	No	No	2.5 Acre	9996863362	समय सिंह

