

# Water Security Plan Report

Date : 28-09-2023 Time : 12:10 AM User Name : xen.ataljal@gmail.com

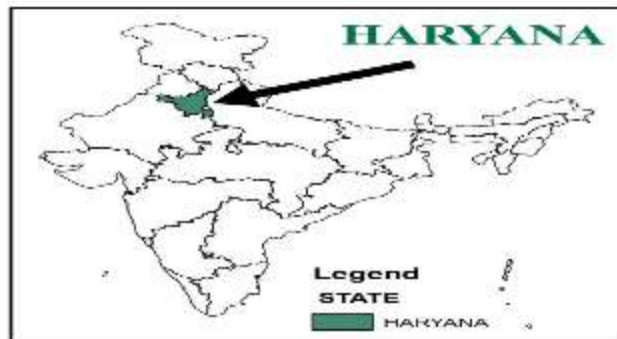
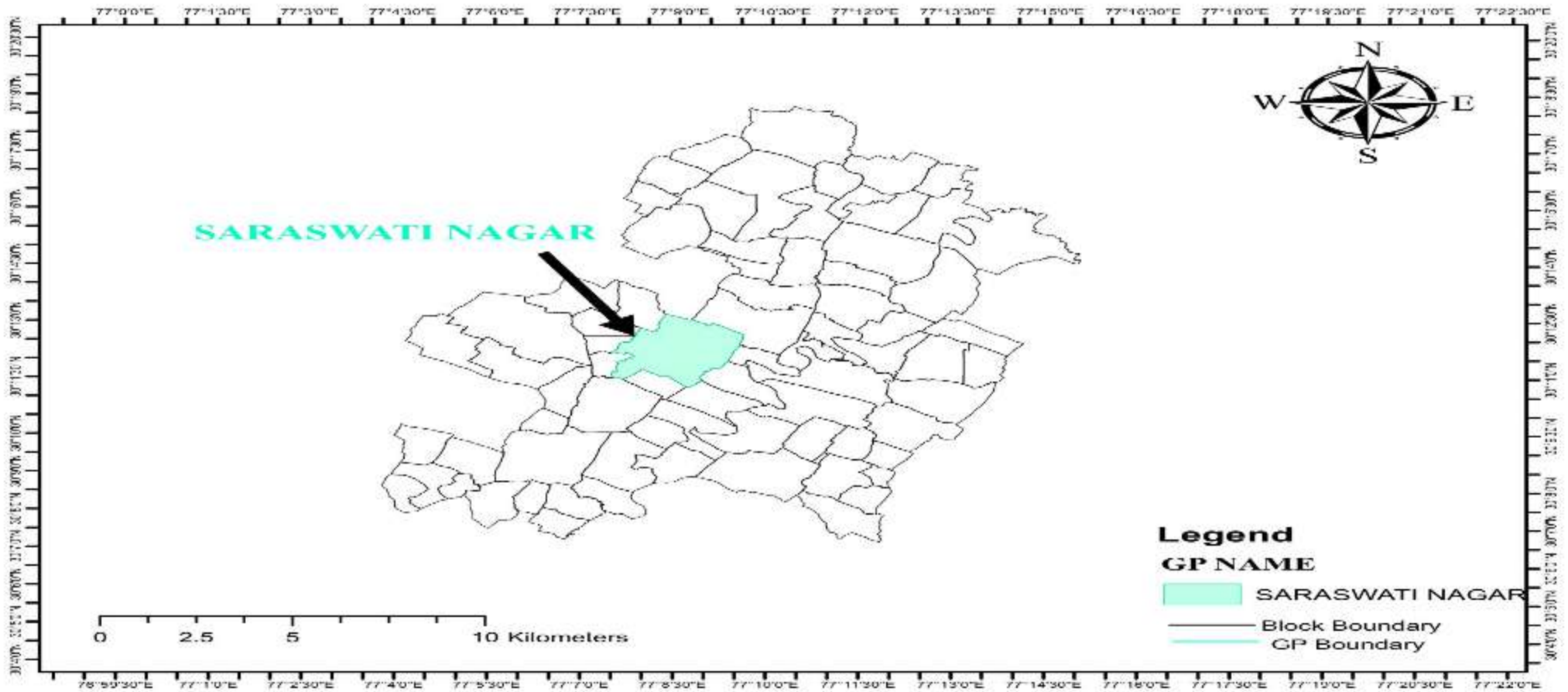
STATE: HARYANA\_6 » DISTRICT: YAMUNANAGAR\_76 » BLOCK: SARASWATI NAGAR\_563 » GRAM PANCHAYAT: SARASWATI NAGAR\_33460 » YEAR: 2023-24 »

## Gram Panchayat Information

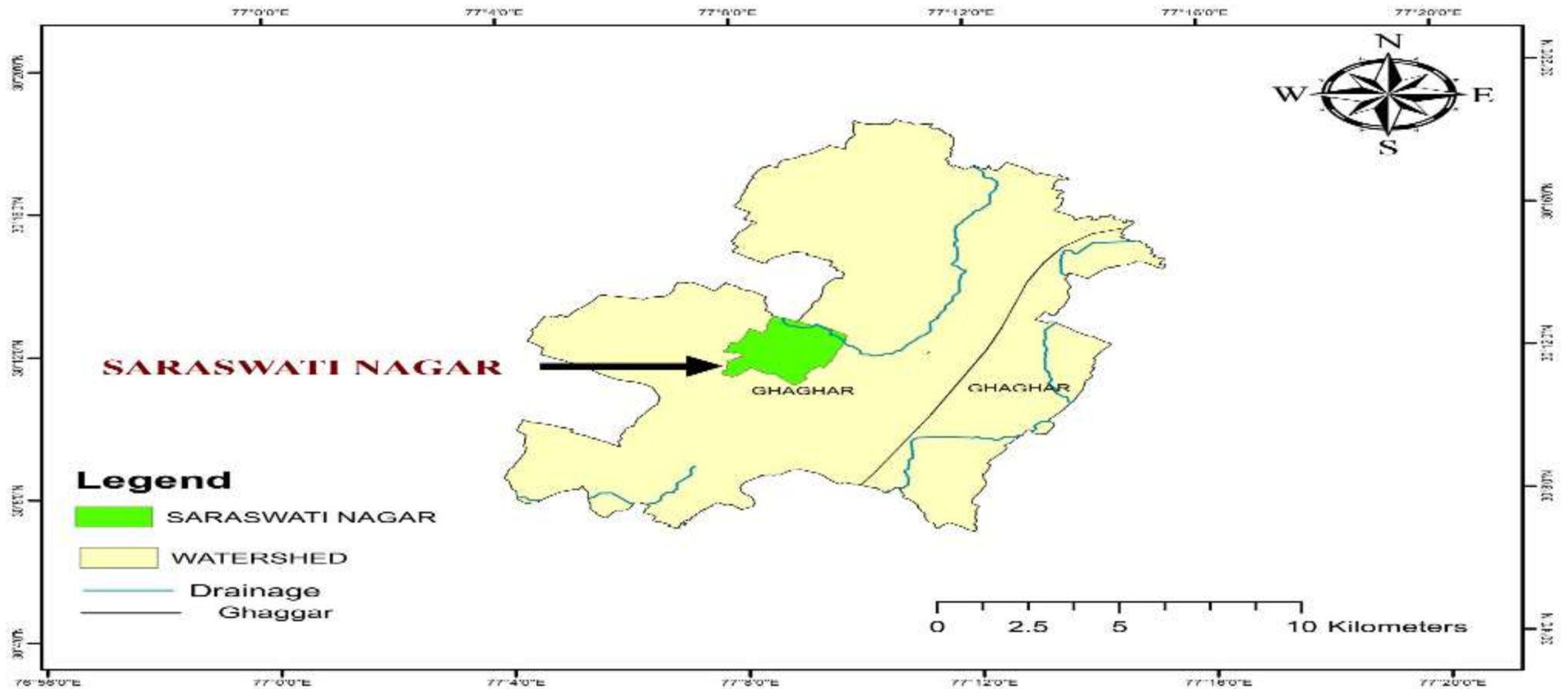
State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Saraswati Nagar_33460
GP ID :	33460	Block Area (Ha) :	20267.20
GP area (Ha) :	526.64	Watershed Code :	GHGR003
Watershed name :	SARASWATI	Watershed area in Block / Taluk (Ha) :	240587.09
Sub-basin Code :	1	Sub basin name :	Ghaghar and Others
Basin Code :	11	Basin Name :	Ghaghar

Location Map

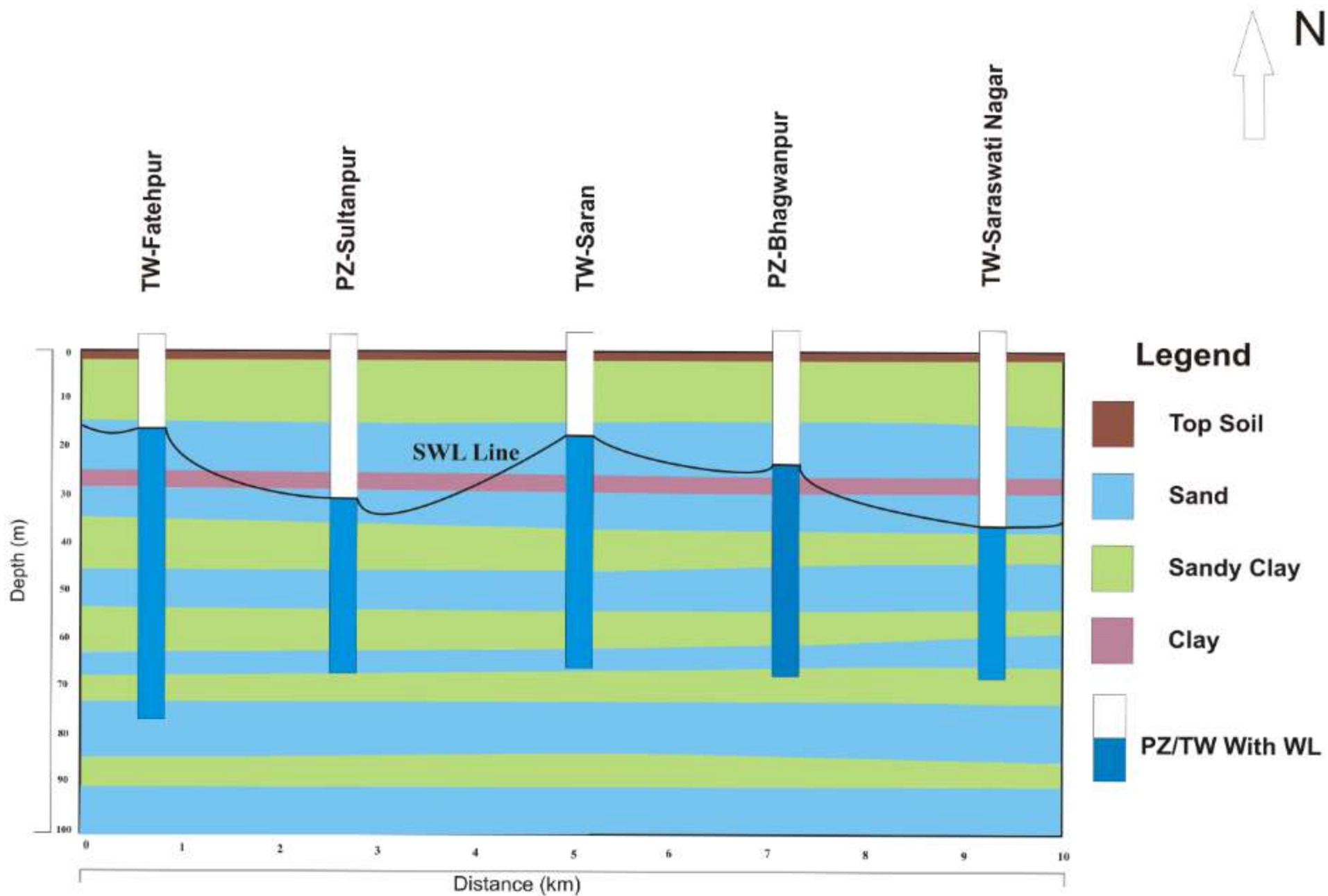
**Location Map : GP Saraswati Nagar, Block Saraswati Nagar, District Yamunanagar**



**Watershed & Drainage Map : GP Saraswati Nagar, Block Saraswati Nagar, District Yamunanagar**



Aquifer Map of Fatehpur, Sultanpur, Saran, Bhagwanpur, Saraswati Nagar of Saraswati Nagar block of district Yamunanagar



## 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	Mustafabad	Bdpo office	30.19611	77.1379	25-05-23 1	033460-001	Others(Pl. Specify)	Tube well PHED	Private	null	0.25	76.22	0.1	52.3	25-05-23
	Mustafabad	Bdpo office	30.19611	77.1379	25-05-23 1	033460-001	Others(Pl. Specify)	Tube well PHED	Private	null	0.25	76.22	0.1	54.35	29-06-23
	Mustafabad	Bdpo office	30.19611	77.1379	25-05-23 1	033460-001	Others(Pl. Specify)	Tube well PHED	Private	null	0.25	76.22	0.1	54.45	30-07-23
	Mustafabad	Bdpo office	30.19611	77.1379	25-05-23 1	033460-001	Others(Pl. Specify)	Tube well PHED	Private	null	0.25	76.22	0.1	53.8	31-08-23
	Mustafabad	Bdpo office	30.19611	77.1379	25-05-23 1	033460-001	Others(Pl. Specify)	Tube well PHED	Private	null	0.25	76.22	0.1	52.9	29-09-23

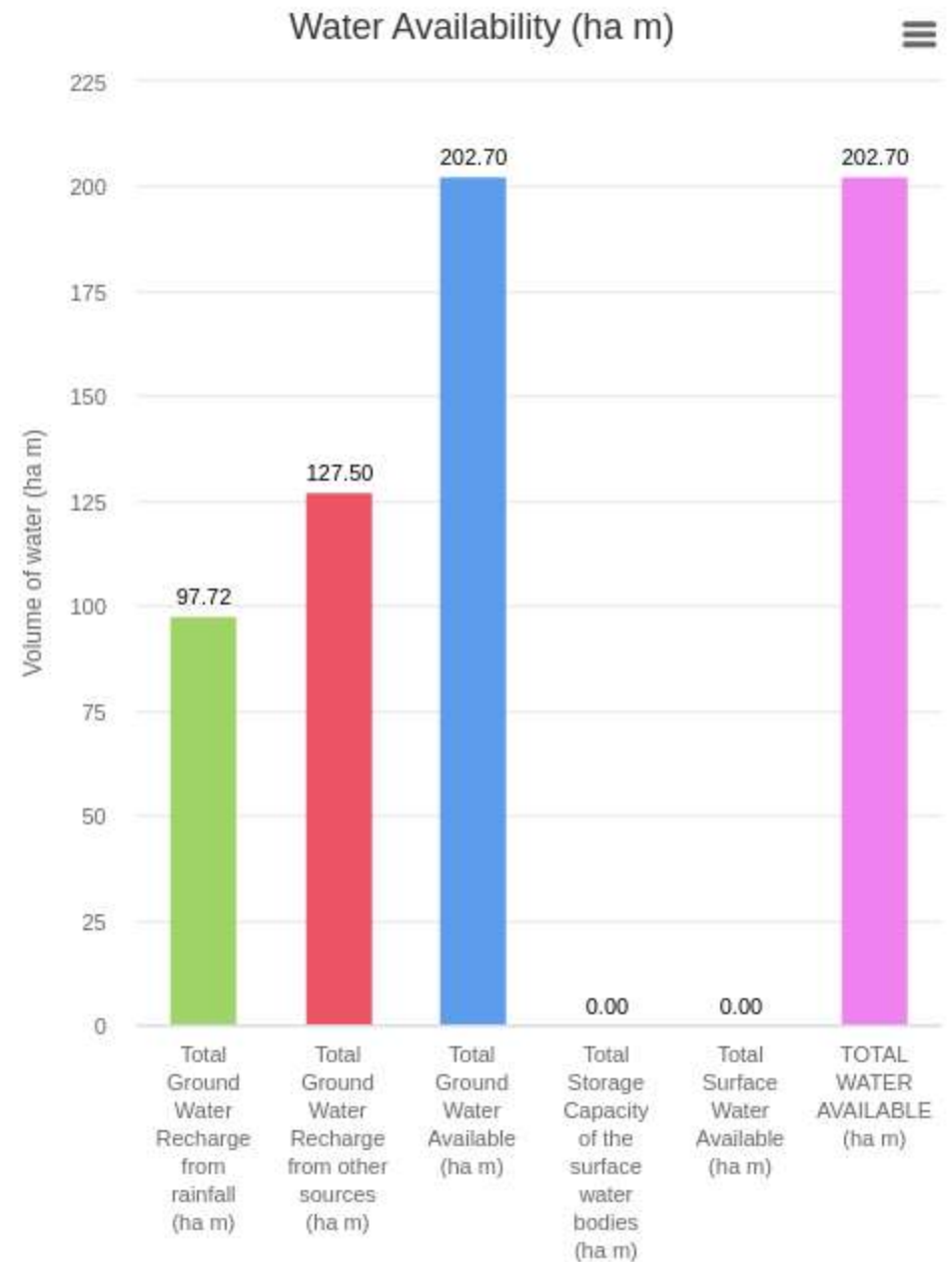
## Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Mustafabad	Mustafabad	30.201599	77.155388	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Mustafabad_001
2	Mustafabad	Mustafabad	30.199169	77.156029	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Mustafabad_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	ABY_YMR_S NAGAR_Mustafabad_001	24	UNCONFINED	7.6	711	434	197	35.8	26.1	40.3	0.5	0	146	53.7	105	0.84	5.64
2	ABY_YMR_S NAGAR_Mustafabad_002	21	UNCONFINED	7.2	1041	642	296	66.5	31.5	78	1.1	0	310	26.5	126	0.5	9.65

## Water Availability Report

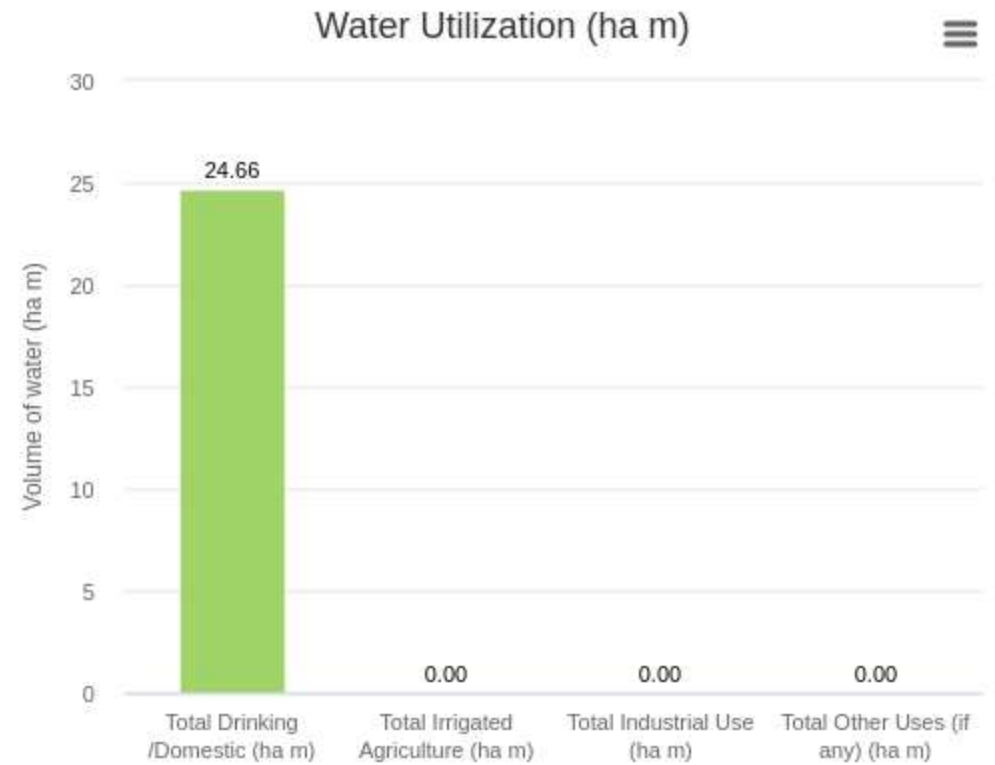
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1326.10
b.	Estimated Volume of Rainfall (ha m)	698.38
c.	Evapotranspiration rate (mm)	462.77
d.	Estimated Evapotranspiration losses (ha m)	243.71
e.	Estimated Water Available From Rainfall (ha m)	454.67
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	136.40
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	78.35
(ii)	Non-Monsoon	19.37
	Total Ground Water Recharge from rainfall (ha m)	97.72
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	72.08
(ii)	Non-Monsoon	55.42
	Total Ground Water Recharge from other sources (ha m)	127.50
c.	Losses Due to Natural Discharge (ha m)	22.52
	Total Ground Water Available (ha m)	202.70
d.	Ground Water Withdrawal (ha m)	413.98
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)
0	0	0
	Total Storage Capacity of the surface water bodies (ha m)	0.00
(ii)	Losses if Any (%)	
(iii)	Surface Water Available in Storages (ha m)	0.00
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.00
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	202.70





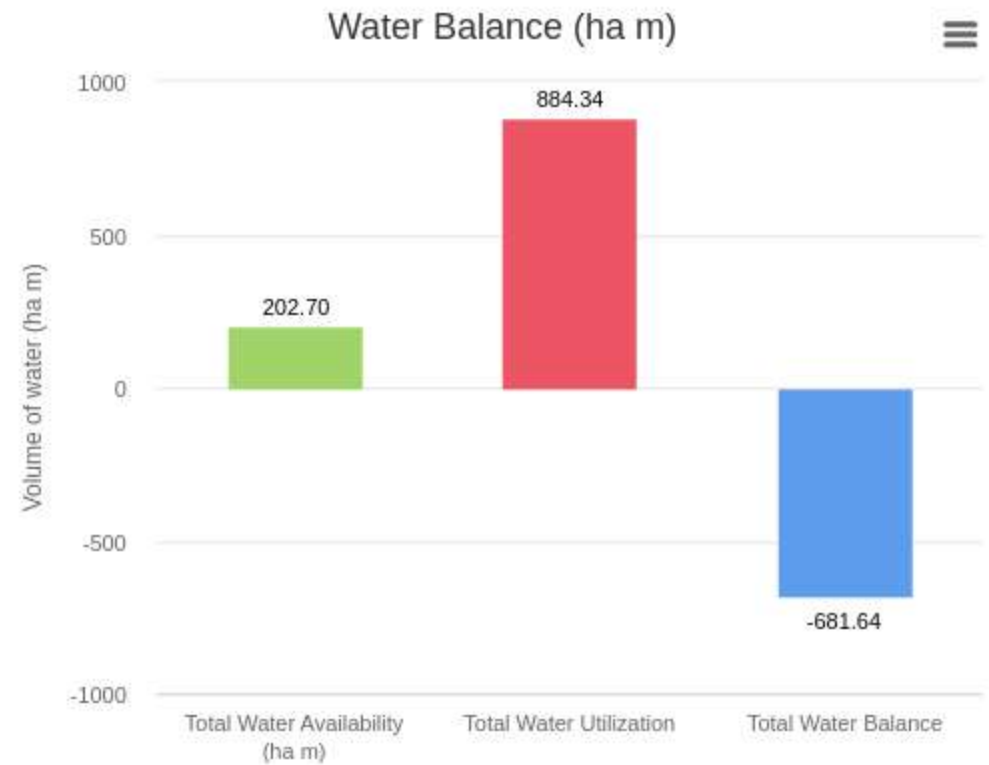
## Water Utilization Report

Water Utilization		
<b>A</b>	<b>Drinking /Domestic (ha m)</b>	
i)	From Surface Water	0.46
ii)	From Ground Water	24.20
	<b>Total Drinking /Domestic (ha m)</b>	24.66
<b>B</b>	<b>Irrigated Agriculture (ha m)</b>	
i)	From Surface Water	0.00
ii)	From Ground Water	859.68
	<b>Total Irrigated Agriculture (ha m)</b>	859.68
<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>	0.00
<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>	0.0000



## Water Balance Report

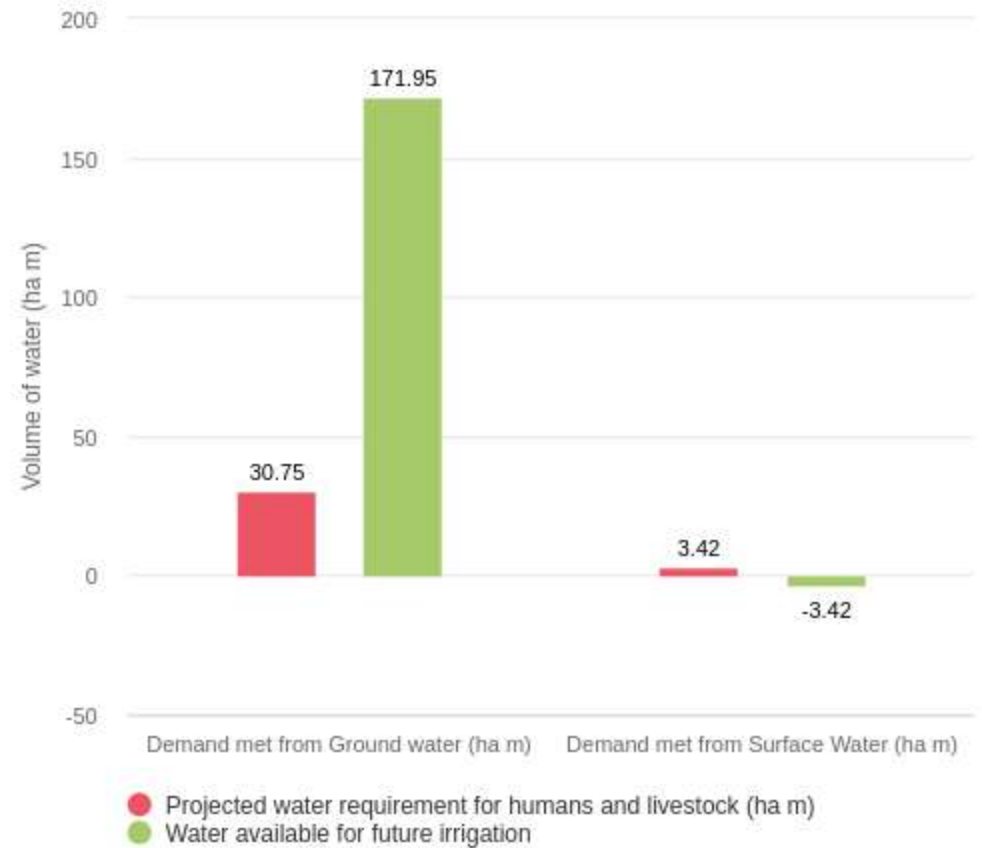
Water Balance		
<b>A</b>	<b>Water Availability (ha m)</b>	
i)	Total Ground Water Available	202.70
ii)	Total Surface Water Available	0.00
	<b>Total Water Availability (ha m)</b>	202.70
<b>B</b>	<b>Water Utilization (ha m)</b>	
i)	Total Surface Water Utilization	0.46
ii)	Total Ground Water Utilization	883.88
	<b>Total Water Utilization</b>	884.34
<b>C</b>	<b>Balance [Surplus (+) / Deficit (-)]</b>	
i)	Total Ground Water Balance	-680.25
ii)	Total Surface Water Balance	-1.39
	<b>Total Water Balance</b>	-681.64



## Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	9972.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	13926.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	27.96
II Livestock	
i) Present livestock population	997.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	1334.00
v) Average per capita requirement (L)	127.60
vi) Projected water requirement for livestock (as in 2050) (ha m)	6.21
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)	34.17
i) Proposed share to be met from Ground water (in % )	90.00
ii) Proposed share to be met from Surface water (in % )	10.00
iii) Demand met from Ground water (ha m)	30.75
iv) Demand met from Surface water (ha m)	3.42
C Water available for future irrigation	
i) Ground Water	171.95
ii) Surface water	-3.42
iii) Total water available for future irrigation	168.53

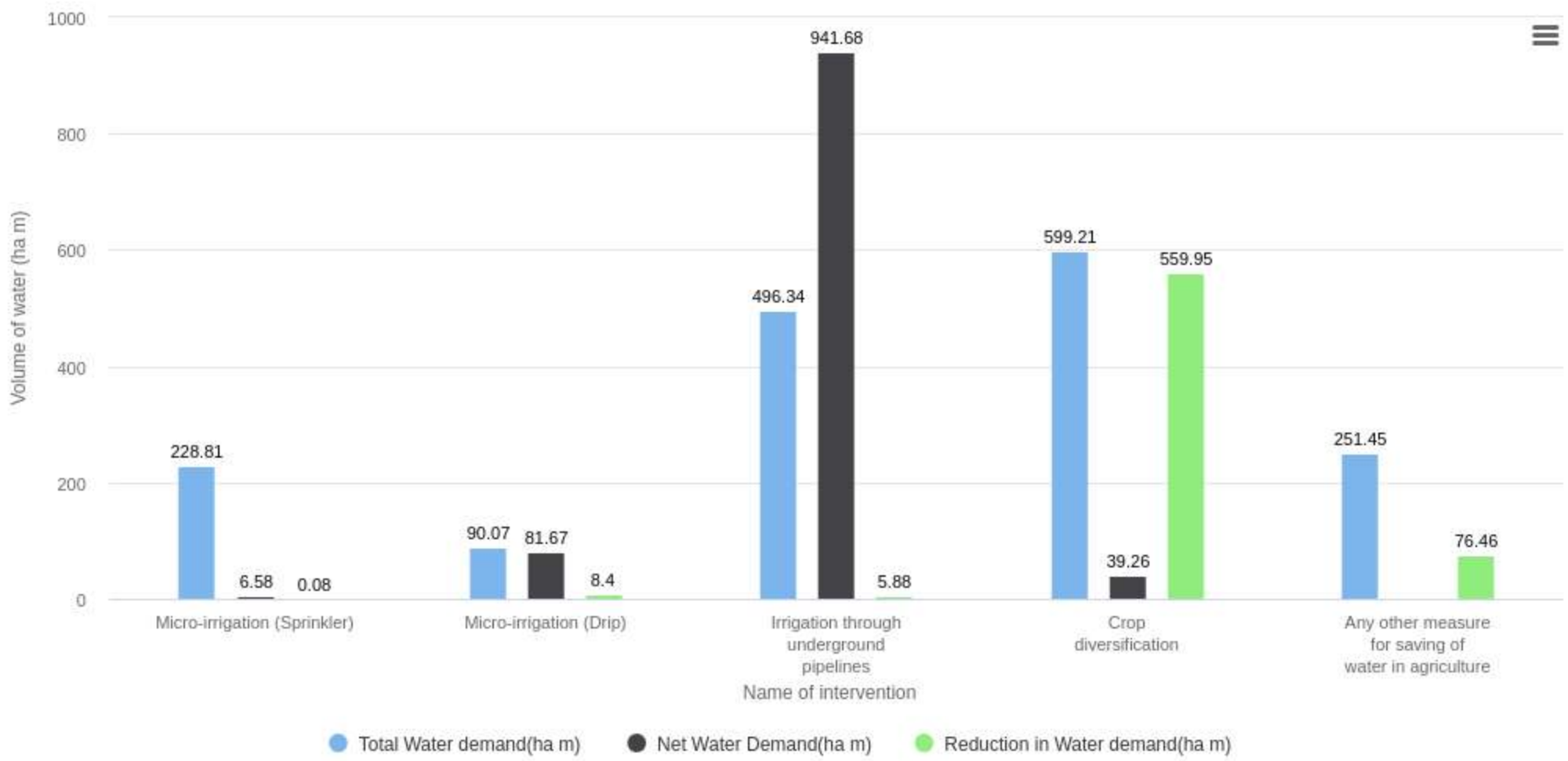
### Projected Water Budget for future use (for year 2050) ☰



## 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	16.00	228.81	6.58	0.08	17.92
2	Drip	10.00	90.07	81.67	8.40	15.30
3	Pipelines	14.00	496.34	941.68	5.88	3.50
4	Crop Diversification	79	599.21	39.26	559.95	13.67
5	Other Measures	288.00	251.45	--	76.46	15.84
	<b>Total</b>	<b>407.00</b>	<b>1665.88</b>	<b>1069.19</b>	<b>650.77</b>	<b>66.23</b>

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	16	2023-24	MICADA	PMKSY(Per Drop More Crop)	17.92
2	Drip	10	2023-24	MICADA	PMKSY(Per Drop More Crop)	15.3
3	UG Pipelines	14	2023-24	Agriculture & Farmer Welfare Department	Other	3.5
4	Crop Diversification	55	2023-24	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	9.515
5	Crop Diversification	24	2023-24	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	4.152
6	Other Measures	86	2023-24	Agriculture & Farmer Welfare Department	Other	2.15
7	Other Measures	111	2023-24	Agriculture & Farmer Welfare Department	Other	4.107
8	Other Measures	8	2023-24	Department of Horticulture	Other	1.28
9	Other Measures	83	2023-24	Agriculture & Farmer Welfare Department	Other	8.3
	<b>Total</b>	<b>407</b>				<b>66.22</b>



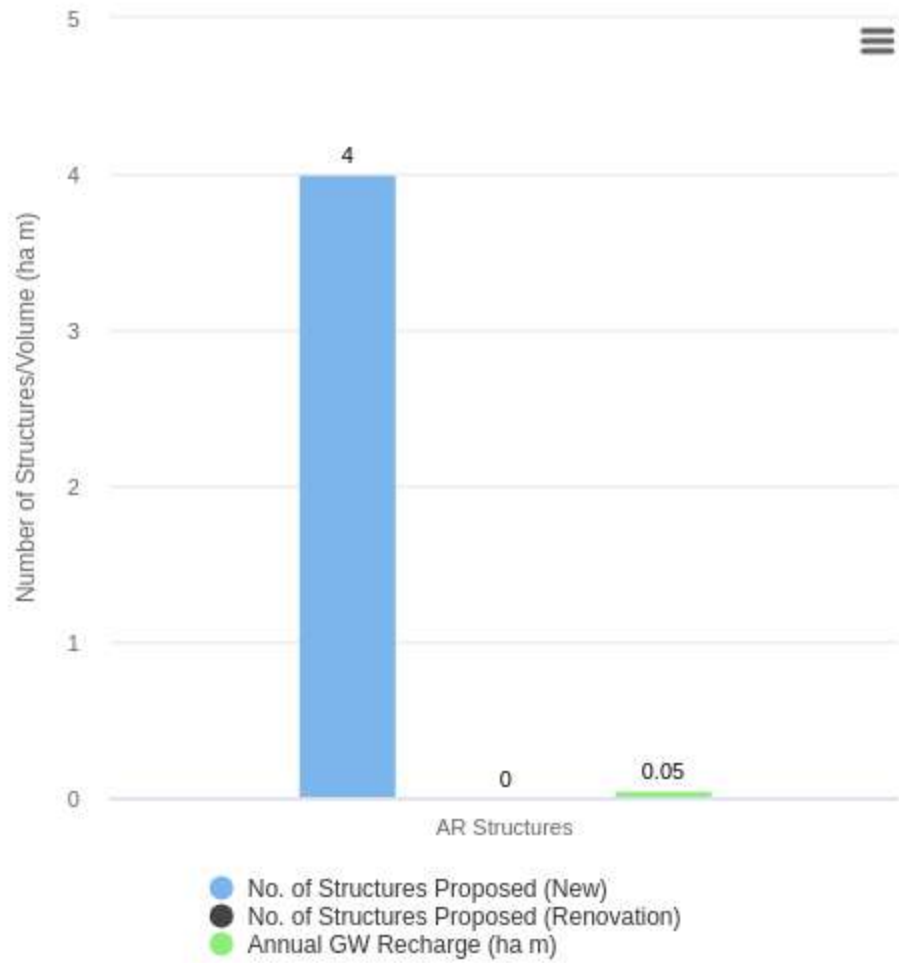


**Supply Side (Water Conservation Structures)**

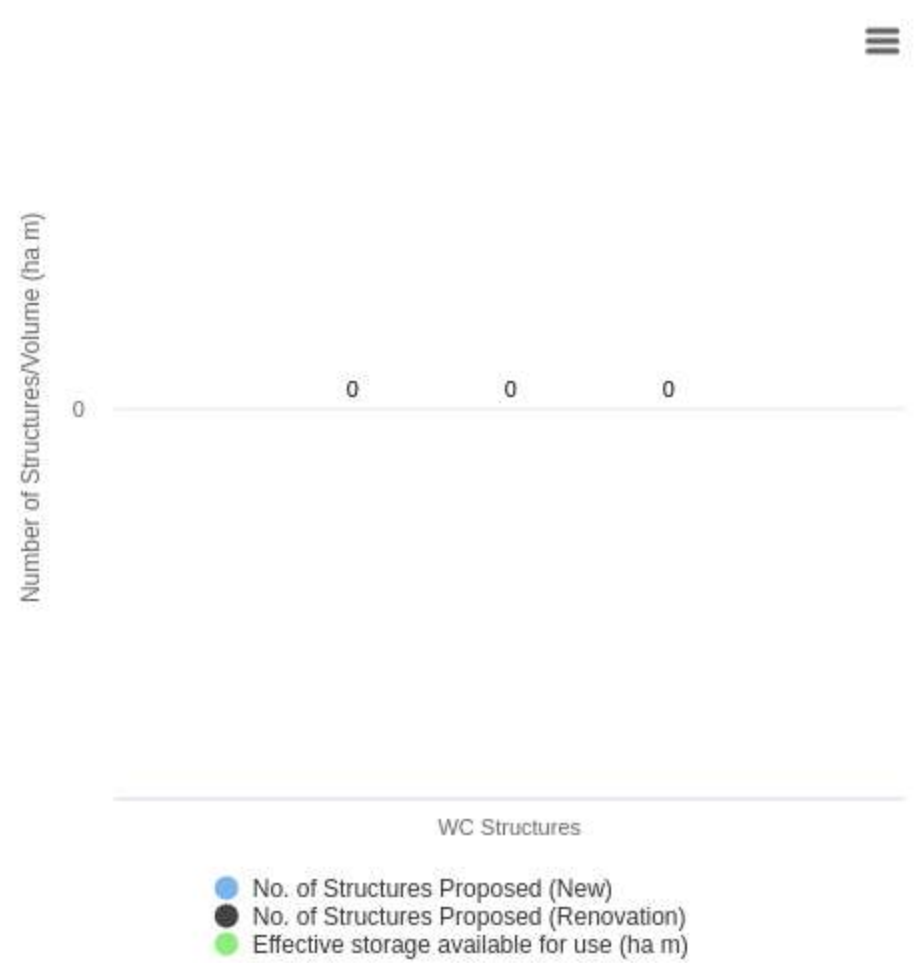
SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
-------	-------------------	------------------------	--	--------------	----------	-----------	----------------	-----------------	-------------	-----------------------------

No Data

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.
No Data				

## 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	Yamunanagar_76	Saraswati Nagar_563	Saraswati Nagar_33460	2023-08-26	Saraswati Nagar_33460	Saraswati Nagar (CT)	SAINI DHARMSHALA	14	16	0	30

Photograph



 **GPS Map Camera**

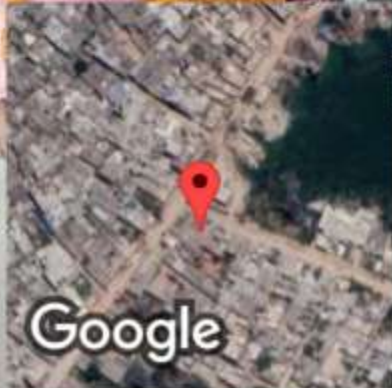
Mustafabad, Haryana, India

642X+V88, Mustafabad, Haryana 133103, India

Lat 30.202011°

Long 77.148676°

26/08/23 05:18 PM GMT +05:30




## DPMU DECLARATION

I. Suninder Kumar (Name), E.E. HKB DIN-1, Jagadhri  
(Designation), authorized representative under District Program Management Unit (DPMU)  
declare that the WSP of Saraswati Nagar Gram Panchayat, Sarswati Nagar Block/Taluk  
Yamunanagar 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

  
Executive Engineer  
HKB Division No. I  
Jagadhri



  
IEC, EXPERT  
ATAL BHUJAL YOJANA (DPMU)  
YAMUNA NAGAR

Saraswati Nagar

Village Name: ~~mustafabad~~

Meeting Place: ~~Sami Dhamstale~~

Date: 26/8/23

Minutes of Meeting

Block: Saraswati Nagar

Lat. No. 30.202011

District: Yamunanagar

Long No. 77.148676

Agenda of Meeting: Discuss with members about the ATAL BHIJAL YOJNA.

आज दिनांक 26/8/23 को अटल भूजल योजना के अंतर्गत

गठम पंचायत ~~खु-पट्टावाड़ा (सखतवाड़ा)~~ में जल सुरक्षा योजना को अंतर्गत

आयोजित की गई। जल सुरक्षा योजना को तत्काल को शक्ति कर

के लिए JIP Team तथा जागतिकता प्रविष्टि का आयोजन किया गया, प्रविष्टि

के दौरान JIP Team के विशेषज्ञ उपस्थित रहे। उन्होंने गठम पंचायत

को जल सुरक्षा में जो नई-नई तकनीकें शक्ति कर सकते हैं

विस्तार से जल-पट्टा बताया है, इन सब को लागू करने के लिए विस्तारपूर्वक

लागू करने के दौरान RTI, प्रिप रिफ्लेक्ट आदि के बारे में बताया

कि इन तकनीकों से किस प्रकार जल-पट्टा बढ़ाई जा

सकता है।

प्रविष्टि में P.W.S.C के सदस्य सचिव, पंच, विभाग

सहित उपस्थित व सक्षम पुरुष उपस्थित रहे। सभी ने जल-पट्टा बढ़ाने

के अर्थव को समझा और आवश्यकता दिशा की वी जल-पट्टा बढ़ाने में

पूरा सहयोग करेंगे। जल-पट्टा को बढ़ाने में अपने गैरिफ कर्तव्य

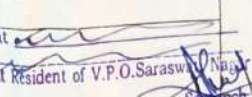
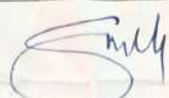
का पालन करेंगे।

निष्कर्ष:

गठम पंचायत को अंतर्गत में जल सुरक्षा योजना को शक्ति कर दिया गया।

RESOLUTIONDate: 26/8/23

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat mustabad  
 Block Taluka/Mandal Saraswati Nagar District-Yamunanagar, State-Haryana 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 26/8/23.

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>Sukhdev Singh</u>	Certified that S/D/W/P is a Permanent Resident of V.P.O. Saraswati Nagar Distt. YNR.  Sarpanch Gram Panchayat Saraswati Nagar (YNR)
	Gram Panchayat Secretary	<u>Sunder Singh</u>	

Saraswati Nagar  
Gram Panchayat, Muskehabad

Meeting: Savitri Dham Shiksha

BLOCK: Saraswati Nagar DISTRICT: Yamuna Nagar

ATTENDANCE SHEET

Sr. No	Name	Gender M/F	Category OBC/SC /ST	Occupation	Are you a member of any committee (Yes/No)	If yes name of the committee	Phone No.	Signature
1	Sudhansu Singh	M	Gen	School	Yes	U.W.S.C	901570862	ASG
2	Simran Bala	F	SC	Asst. worker	Yes	U.W.S.C	8930944316	Simran Bala
3	Sugati	F	Gen	U.W.	Yes	U.W.S.C	903480796	Sugati
4	Dashrath Pal	M	OBC	Farmer	-	-	9896408690	9896408690
5	Rooham	F	BC	H.W	-	-	8814934455	Rooham
6	Diksha	F	BC	H.W	-	-	8814934455	Diksha
7	Sugati Singh	F	BC	Farmer	-	-	8930198842	Sugati Singh
8	Harsheet Singh	M	Gen	Farmer	-	-	9671640484	9671640484
9	Ashok Kumar	M	Gen	Farmer	Yes	U.W.S.C	8930180940	Ashok
10	Aakash Singh	M	BC	Farmer	Yes	U.W.S.C	9050352810	Aakash Singh
11	Ramesh	M	BC	Farmer	-	-	9999399923	Ramesh
12	Mahidev Singh	M	Gen	Farmer	Yes	U.W.S.C	798826642	Mahidev Singh
13	Savitri Singh	M	BC	Labour	-	-	709776462	Savitri Singh
14	Avtar Singh	M	Gen	Farmer	Yes	U.W.S.C	9991055933	Avtar Singh
15	Babli	F	BC	H.W	-	-	9813994875	Babli
16	Sakshi Devi	F	BC	H.W	-	-	-	Sakshi Devi
17	Vinay	M	SC	Farmer	Yes	U.W.S.C	99466685	Vinay

Gram Panchayat: Muskefabad

Meeting: Saini Dharmshala

BLOCK: Saraswati Nagar DISTRICT: Yamuna Nagar

ATTENDANCE SHEET

Sr. No	Name	Gender M/F	Category OBC/SC /ST	Occupation	Are you a member of any committee (Yes/No)	If yes name of the committee	Phone No	Signature
18	Pinkisharma	F	Gen	Parish	Yes	V.V.S.C	9588587486	<u>Pinky</u>
19	Sudesh	F	BC	Farmers	-	-	9813170159	<u>सुदेश</u>
20	Swati Agsthal	F	Gen	A.V.S.C	Yes	V.V.S.C	903480796	<u>स्वति</u>
21	Urnika	F	BC	H.W	-	-	8053190764	<u>उर्निका</u>
22	Mahindra Devi	F	BC	H.W	-	-	9050359810	<u>महेश देवी</u>
23	Kalita	F	BC	H.W	-	-	8818097976	<u>कलिका</u>
27	Sumati Bala	F	SC	A.V.S.C	Yes	V.V.S.C	8930944376	<u>सुमति बाला</u>
25	Abhi	M	Gen	Student	-	-	-	<u>अभि कुमार</u>
26	Vikas	M	Gen	Student	-	-	8930388834	<u>विकास</u>
27	Preets	M	Gen	Farmers	-	-	-	<u>प्रीत</u>
24	Satish Singh	M	SC	Labour	-	-	9582555301	<u>सतीश</u>
29	Painyanka	F	SC	H.W	-	-	9050417035	<u>पानिका</u>
30	Painyanket	F	SC	H.W	-	-	9050419203	<u>पानिकेत</u>