

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:16 PM User Name : SPMU_Haryana_6

STATE: HARYANA_6 »

DISTRICT: YAMUNANAGAR_76 »

BLOCK: SARASWATI NAGAR_563 »

GRAM PANCHAYAT: SARASWATI NAGAR_33460 »

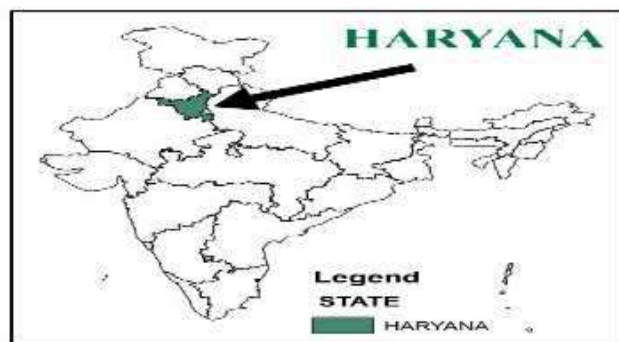
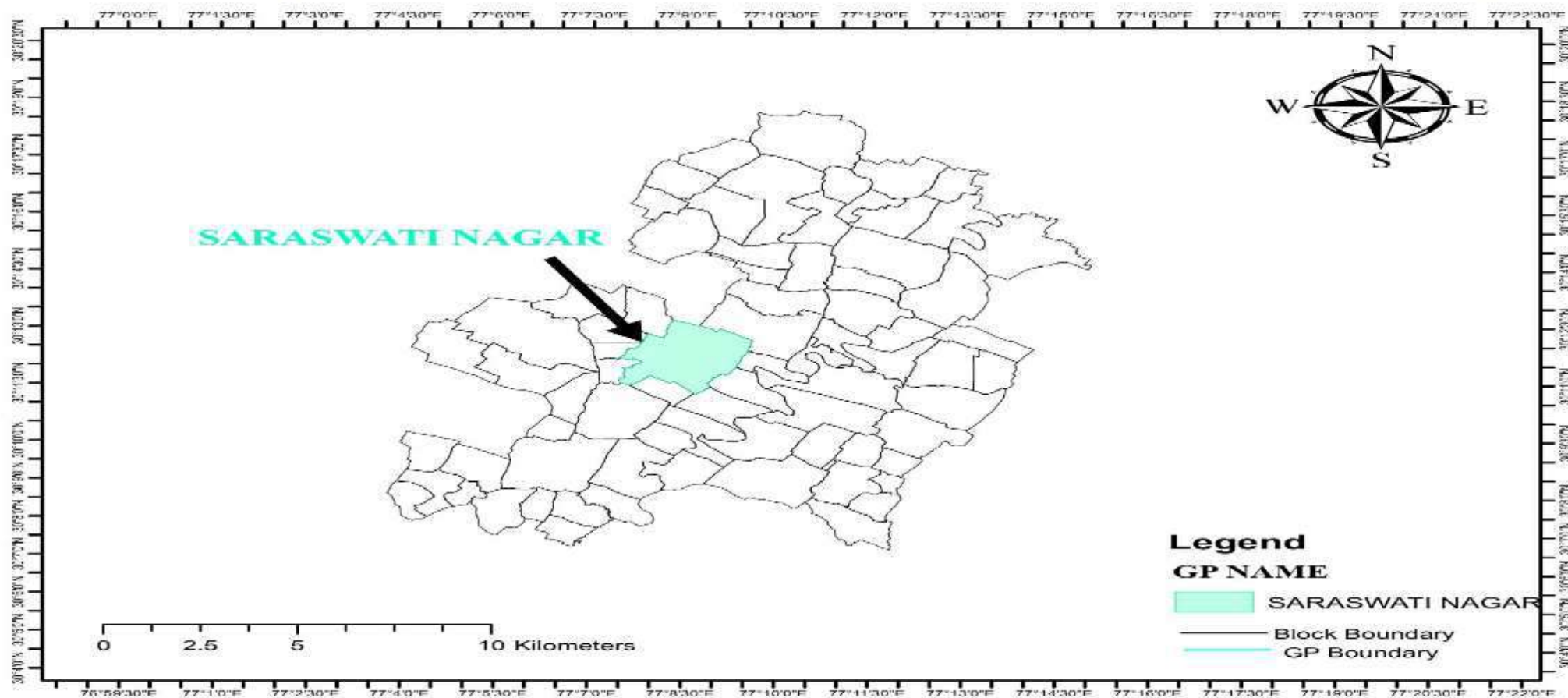
YEAR: 2024-25 »

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) :	20267.2000
GP area (Ha) :	526.6400	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

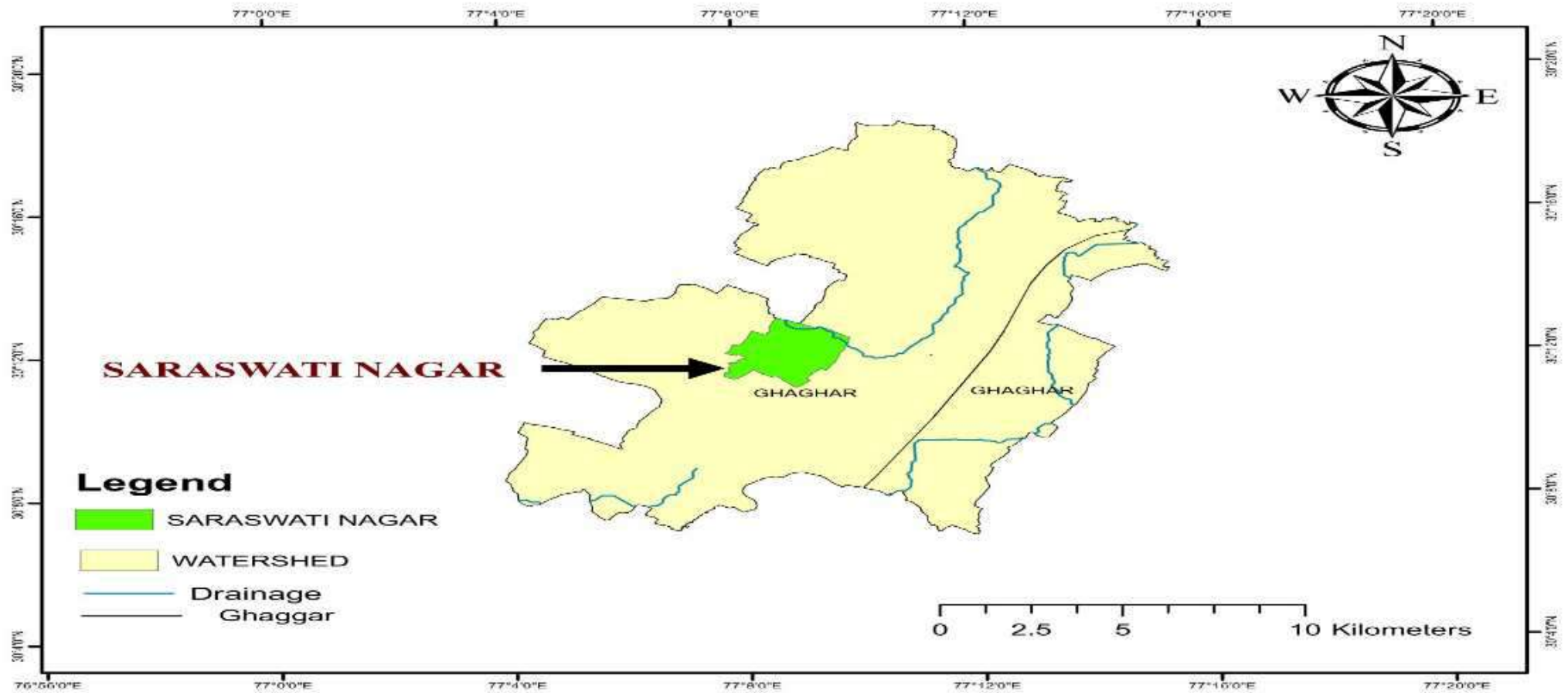
Location Map

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



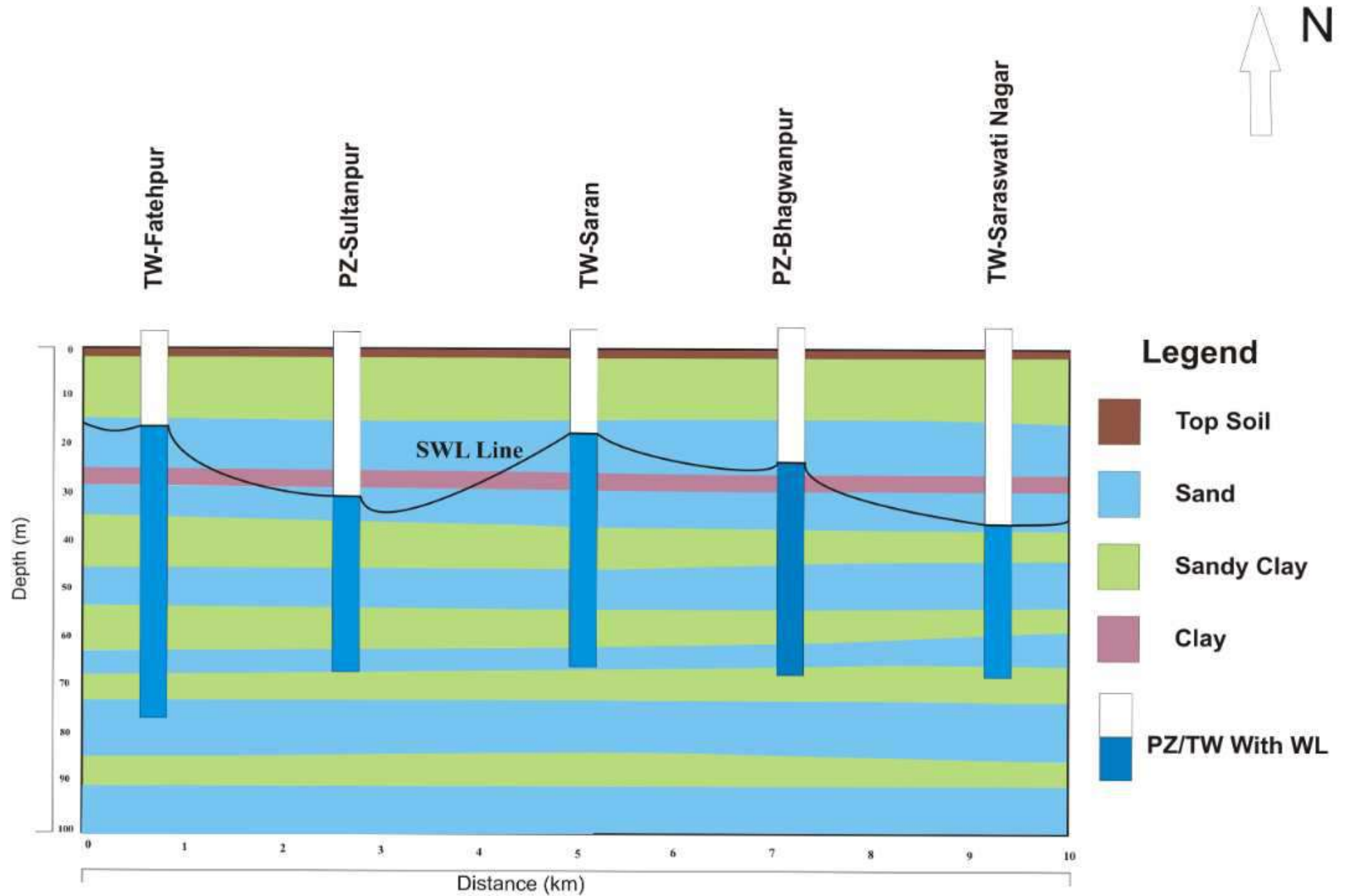
Watershed Map

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



Aquifer Map

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	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.04	2024-0217
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.08	2024-0122
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.15	2023-1225
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.32	2023-1130
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.78	2023-1080
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.90	2023-0929
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	53.8	2023-0881
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	54.45	2023-0730
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	54.35	2023-0629
	Mustafabad	Bdpo office	30.19611	77.1379	2023-05-25	033460-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.10	52.3	2023-0525

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
2	Saraswati nager	Bhim tubwel	30.19921	77.15612	2024-01-15	953582-002	Dug Well		Private		1.50	25.00	0.20	6.08	2024-02-17
	Saraswati nager	Bhim tubwel	30.19921	77.15612	2024-01-15	953582-002	Dug Well		Private		1.50	25.00	0.20	6.03	2024-01-15
3	Mustfabad	Saraswati mandir	30.20403	77.14559	2024-01-18	653211-003	Bore Well		Private		0.1000	50.00	0.50	4.99	2024-02-17
	Mustfabad	Saraswati mandir	30.20403	77.14559	2024-01-18	653211-003	Bore Well		Private		0.1000	50.00	0.50	5.02	2024-01-18

Ground Water Quality

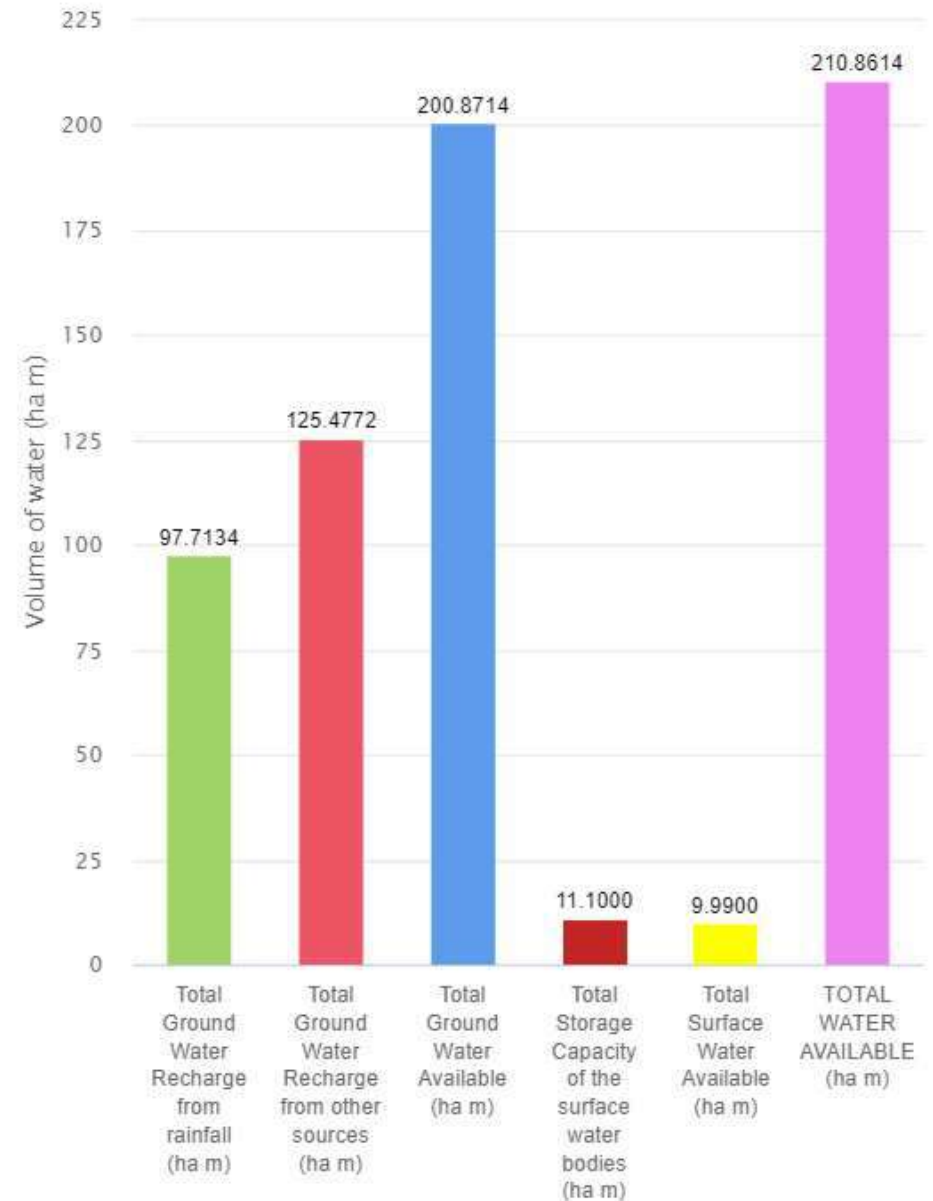
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Mustafabad	Mustafabad	30.201599	77.155388	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Mustafabad_001
2	Mustafabad	Mustafabad	30.199169	77.156029	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Mustafabad_002

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

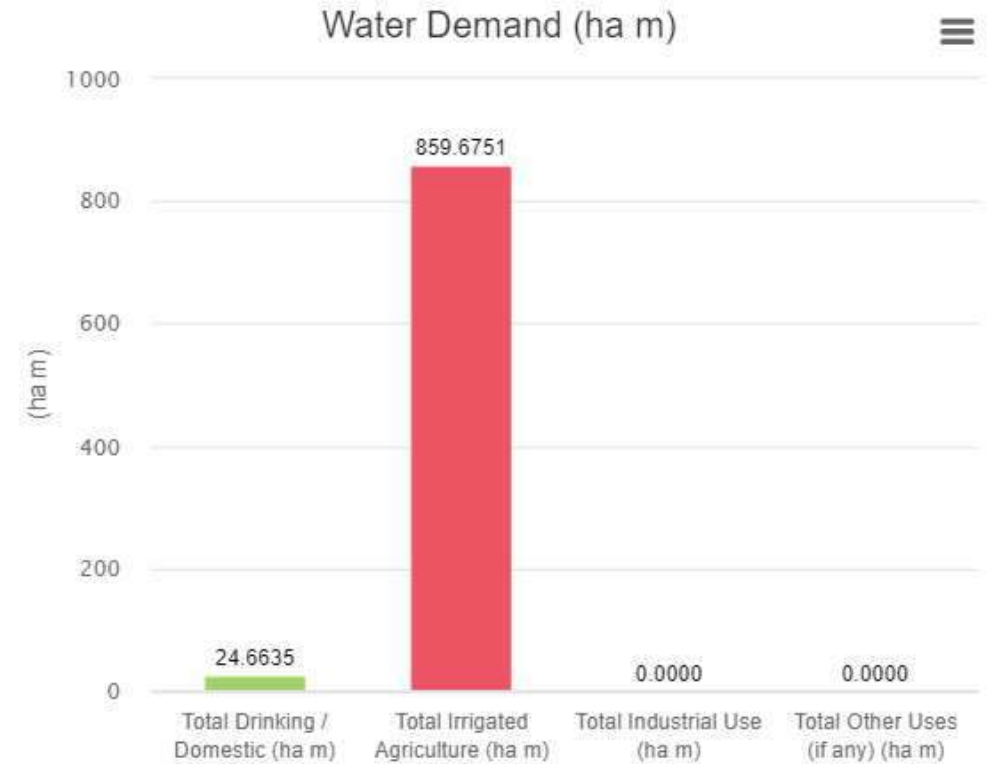
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	940.4421
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	236.8563
e.	Estimated Water Available From Rainfall (ha m)	703.5858
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	211.0757
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	78.3464
(ii)	Non-Monsoon	19.3670
	Total Ground Water Recharge from rainfall (ha m)	97.7134
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	72.6352
(ii)	Non-Monsoon	52.8420
	Total Ground Water Recharge from other sources (ha m)	125.4772
c.	Losses Due to Natural Discharge (ha m)	22.3192
	Total Ground Water Available (ha m)	200.8714
d.	Ground Water Withdrawal (ha m)	405.0387
3.	Surface Water	
a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structure	No. of Structures	Storage Capacity (ha m)
Ponds	5	11.1
	Total Storage Capacity of the surface water bodies (ha m)	11.1000
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	9.9900
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	9.9900
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	210.8614

Water Availability (ha m)



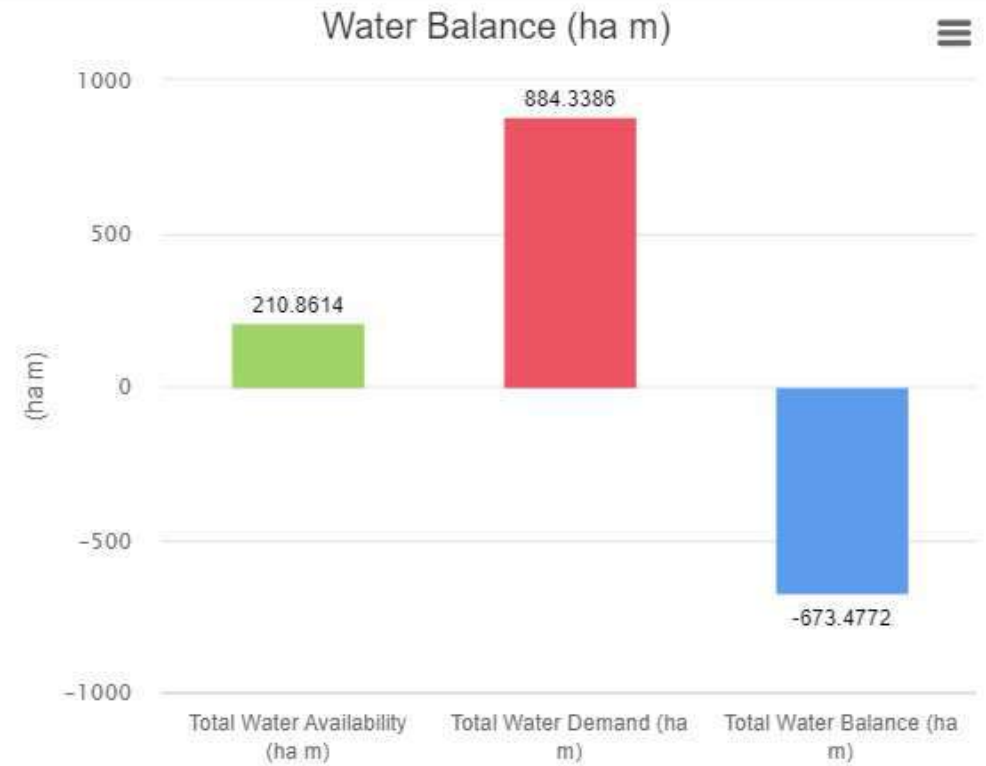
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.4644
ii)	From Ground Water	24.1991
	Total Drinking /Domestic (ha m)	24.6635
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	8.6827
ii)	From Ground Water	850.9924
	Total Irrigated Agriculture (ha m)	859.6751
C	Industrial Use (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	Total Industrial Use (ha m)	0.0000
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

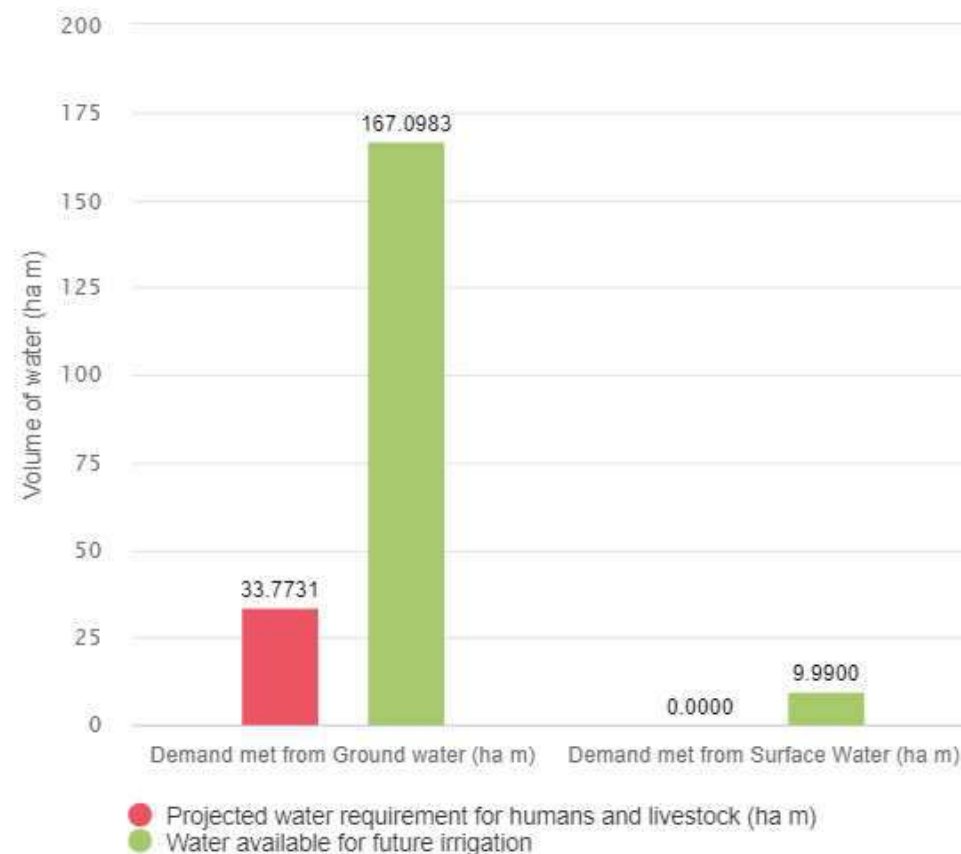
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	200.8714
ii)	Total Surface Water Available	9.9900
	Total Water Availability (ha m)	210.8614
B	Water Demand (ha m)	
i)	Total Surface Water Demand	9.1471
ii)	Total Ground Water Demand	875.1915
	Total Water Demand	884.3386
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-674.3201
ii)	Total Surface Water Balance	0.8429
	Total Water Balance	-673.4772



Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	9972.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	13761.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	27.6252
II	Livestock	
i)	Present livestock population	997.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	1320.0000
v)	Average per capita requirement (L)	127.6028
vi)	Projected water requirement for livestock (as in 2050) (ha m)	6.1479
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)	33.7731
i)	Proposed share to be met from Ground water (in %)	100.0000
ii)	Proposed share to be met from Surface water (in %)	
iii)	Demand met from Ground water (ha m)	33.7731
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	167.0983
ii)	Surface water	9.9900
iii)	Total water available for future irrigation	177.0883

Projected Water Budget for future use (for year 2050)

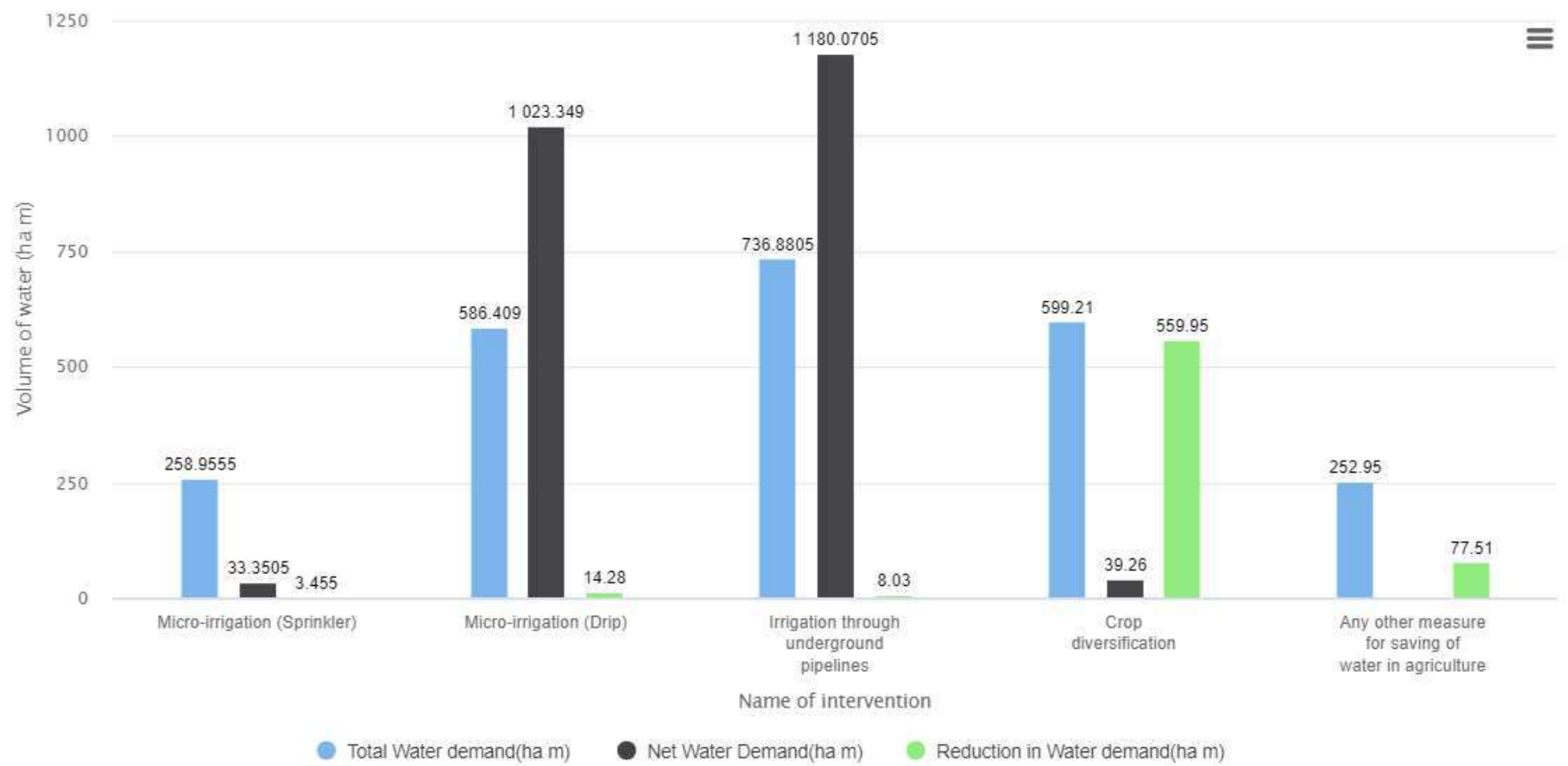


Demand Side

Total Area under Conventional Irrigation (ha) : 1001.97

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	36.0000	258.9555	33.3505	3.4550	40.3200
2	Drip	24.0000	586.4090	1023.3490	14.2800	36.7200
3	Pipelines	34.0000	736.8805	1180.0705	8.0300	8.5000
4	Crop Diversification	79	599.2100	39.2600	559.9500	0.0000
5	Other Measures	292.0000	252.9500	--	77.5100	17.3570
	Total	465.0000	2434.4050	2276.0300	663.2250	102.8970

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	36	2024-25	MICADA	PMKSY(Per Drop More Crop)	40.32
2	Drip	24	2024-25	MICADA	PMKSY(Per Drop More Crop)	36.72
3	UG Pipelines	34	2024-25	Agriculture & Farmer Welfare Department	Other	8.5
4	Other Measures	8	2024-25	Department of Horticulture	Other	1.28
5	Other Measures	111	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	4.107
6	Other Measures	4	2024-25	Department of Horticulture	Other	1.52
7	Other Measures	86	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	2.15
8	Other Measures	83	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	8.3
	Total	386				102.8970

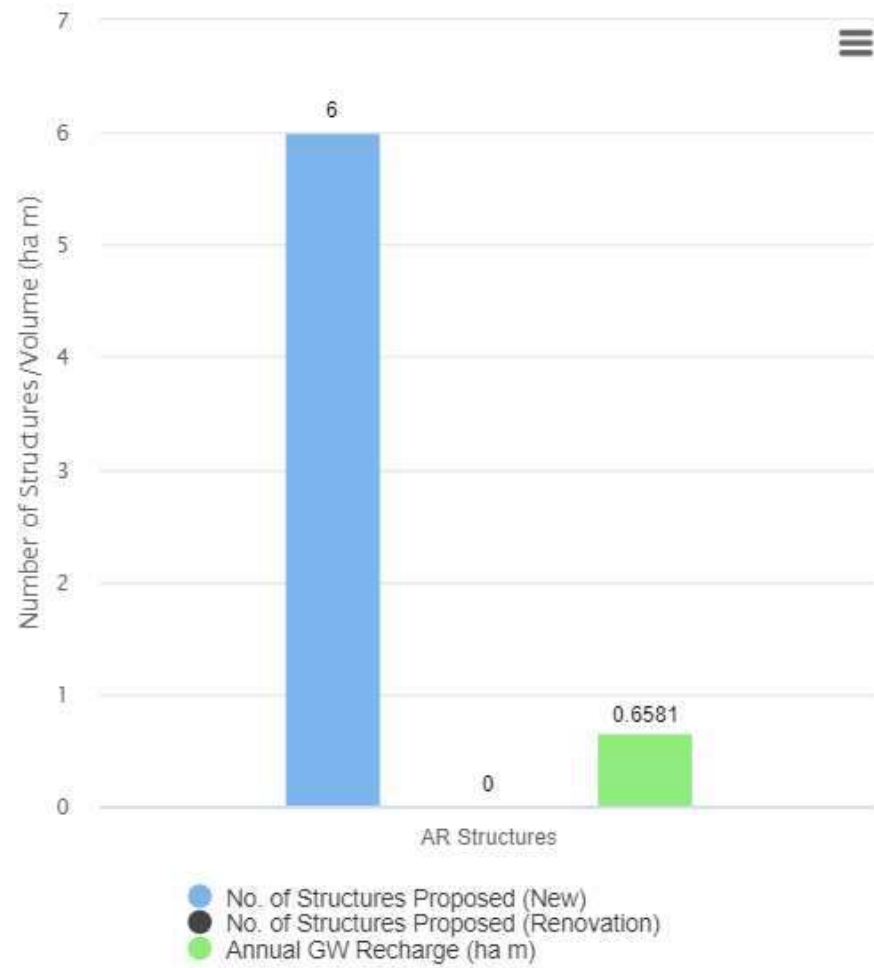


Supply Side

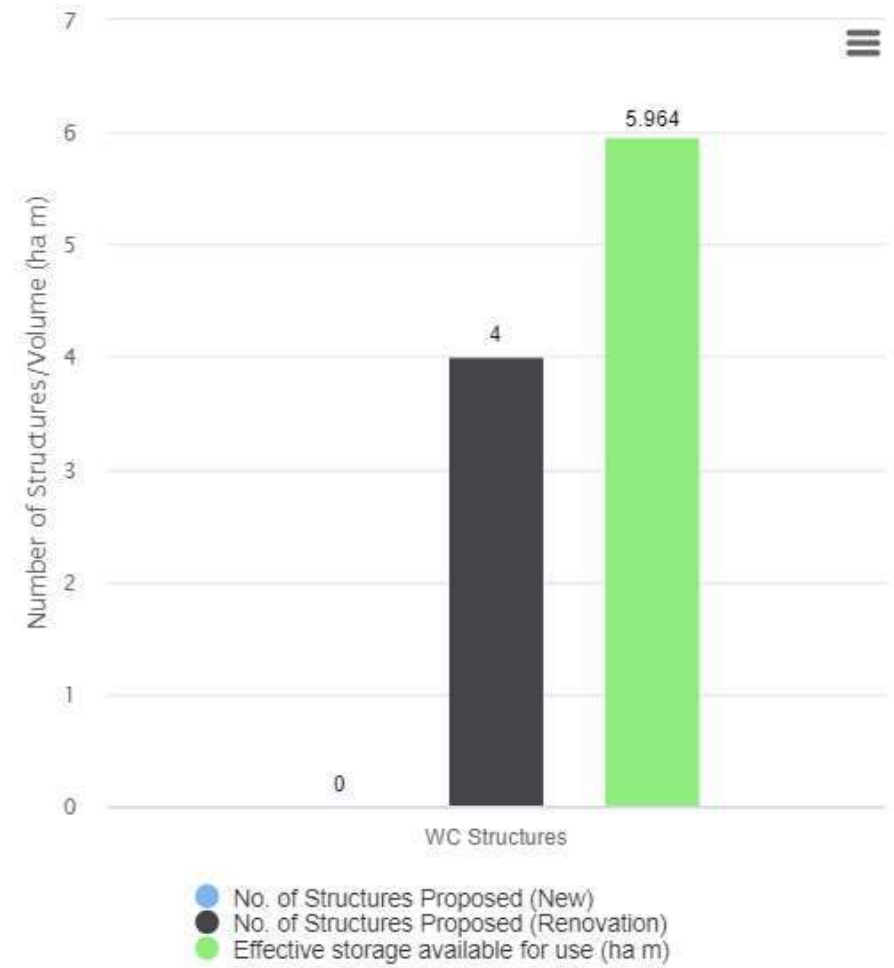
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Saraswati Nagar (CT)	30.2014	77.1485	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	roof top rain water harvesting system (New)	0.00616	0.0184800	Saraswati Nagar (CT)	30.1999	77.1443	2024-25	Department of Education	CSR	4.5
3	roof top rain water harvesting system (New)	0.00616	0.0184800	Saraswati Nagar (CT)	30.2002	77.144392	2024-25	Department of Education	CSR	4.5
4	roof top rain water harvesting system (New)	0.00616	0.0184800	Saraswati Nagar (CT)	30.1995	77.1435	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4.5
5	Check Dam (New)	0.2	0.300	Saraswati Nagar (CT)	30.20953	77.154927	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
6	Check Dam (New)	0.2	0.300	Saraswati Nagar (CT)	30.208657	77.152943	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
	Total	0.4203	0.6581							22.1200

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	Pond/Amrit Sarovar(Renovation)	4.4	2.64	Saraswati Nagar (CT)	30.199293	77.147444	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	95.29
2	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Saraswati Nagar (CT)	30.201077	77.144127	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	53.73
3	Pond/Amrit Sarovar(Renovation)	1.1	0.66	Saraswati Nagar (CT)	30.198425	77.143069	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	44.24
4	Pond/Amrit Sarovar(Renovation)	3.7	2.22	Saraswati Nagar (CT)	30.201999	77.148915	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	135.5
	Total	9.9400	5.9640							328.7600

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



PGWM Committee

PGWM Committee (VWSC/WUA/CBO)

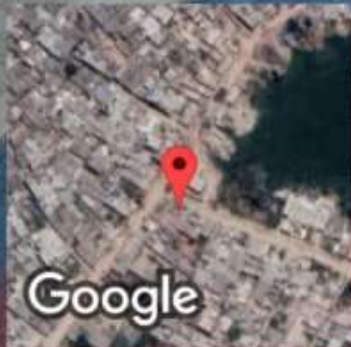
Sr.no	Name	Designation	Gender	Mobile /Landline No.
No Data				

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	2024-02-02	Saraswati Nagar_33460	Saraswati Nagar (CT)	Dharamshala	9	14	0	23

Photograph



GPS Map Camera



Yamuna Nagar, Haryana, India

25, Sarswati Nagar Rd, Yamuna Nagar, Mustafabad, Haryana 135001, India

Lat 30.20206°

Long 77.148692°

02/02/24 12:54 PM GMT +05:30

DPMU DECLARATION

I, Surinder Kumar (Name), Executive Engineer, HKB Division No. 1 (Designation), authorized representative under District Program Management Unit (DPMU) declare that the WSP of Saraswati Nagar Gram Panchayat, Saraswati Nagar Block Yamuna Nagar 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. 1
Jagadhri


IEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR

Tarveen Kumar
G. WE DPMU

Minutes of Meeting

Village Name: MUSTAFABAD

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: DHAMSAL

Lat. No. 30.20205

Long No. 77.148692

Date: 21/02/24

Agenda of Meeting: Discuss with members about the ATAL BHUIAL YOINA.

- कई अंतिमति आज दिनांक 21/02/24 अहम भुजल योजना
मुस्ताफाबाद में ग्राम पंचायत की अध्यक्षता
में जल सुरक्षा योजना की बैठक का आयोजन
किया गया बैठक में निम्नलिखित बिन्दुओं पर
चर्चा की गई :-
- सिचार्ज के लिए क्षमिगत पार्षलार्जिन की व्यवस्था की जाएगी।
 - जाडड का पुनर्निर्माण किया जाएगा
 - ग्राम पंचायत में ऑर्कन पिट या RTMHDS बनवाया जाएगा।
 - DSR विधि से धान की बुझाई की व्यवस्था की जाएगी।
 - कसल अक्वीज प्रवधन की व्यवस्था की जाएगी।
- उपरोक्त सभी बिन्दुओं पर विस्तार से चर्चा करके बैठक में उपस्थित सभी सदस्यों का सहमति से जल सुरक्षा योजना को पारित किया गया।

ANNEXURE III

RESOLUTIONDate: 06/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat mushabad
Block Tauka/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 06/02/24

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

Gram Panchayat: MeharabadMeeting: Saini DharmabalaBLOCK: Saraswati NagarDISTRICT: Yamuna Nagar

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	Pinki Sharma	F	Gen	Parah	Yes	V.V.S.C	958852486	<u>Pinki</u>
19	Sudesh	F	BC	Farmer	-	-	981317059	<u>23/21</u>
20	Syoti Aggarwal	F	Gen	A.W.W	Yes	V.V.S.C	903485796	<u>Syoti</u>
21	Urmila	F	BC	H.W	-	-	805312076	<u>Urmila</u>
22	Madhans Devi	F	BC	H.W	-	-	9050352810	<u>Madhans</u>
23	Kavita	F	BC	H.W	-	-	8818097076	<u>Kavita</u>
24	Suman Bala	F	SC	A.W.W	Yes	V.V.S.C	8930944376	<u>Suman Bala</u>
25	Abhi	M	Gen	Student	-	-	-	<u>Abhi Kumar</u>
26	Vikas	M	Gen	Student	-	-	8930328834	<u>Vikas</u>
27	Neeraj	M	Gen	Farmer	-	-	-	<u>Neeraj</u>
28	Satish Singh	M	SC	Labour	-	-	9582535361	<u>Satish</u>
29	Pavitra	F	SC	H.W	-	-	9050417035	<u>Pavitra</u>
30	Palanshet	F	SC	H.W	-	-	9050419203	<u>Palanshet</u>

Saraswati Nagar
Gram Panchayat: MahabubabadMeeting: Saini Dhanraj ShaleBLOCK: Saraswati Nagar DISTRICT: Yamuna Nagar

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	Sukhraj Singh	M	Gen	Soldier	Yes	V.V.S.C	701570862	<i>[Signature]</i>
2	Suman Bala	F	SC	Asha worker	Yes	V.V.S.C	8930944376	<i>[Signature]</i>
3	Geethi	F	Gen	H.W.	Yes	V.V.S.C	903480796	<i>[Signature]</i>
4	Dashraj Pal	M	OBC	Farmed	-	-	9896408690	<i>[Signature]</i>
5	Poonam	F	BC	H.W.	-	-	8814934455	<i>[Signature]</i>
6	Diksha	F	BC	H.W.	-	-	8814934455	<i>[Signature]</i>
7	Sudh Saini	F	BC	Farmed	-	-	8930188842	<i>[Signature]</i>
8	Harsheet Singh	M	Gen	Farmed	-	-	9671640484	<i>[Signature]</i>
9	Ashok Kumar	M	Gen	Farmed	Yes	V.V.S.C	8930180940	<i>[Signature]</i>
10	Ramesh Saini	M	BC	Farmed	Yes	V.V.S.C	9050352810	<i>[Signature]</i>
11	Ramesh	M	BC	Farmed	-	-	9499393918	<i>[Signature]</i>
12	Mahadev Singh	M	Gen	Farmed	Yes	V.V.S.C	7988866042	<i>[Signature]</i>
13	Smit Saini	M	BC	Labour	-	-	709776462	<i>[Signature]</i>
14	Avtar Singh	M	Gen	Farmer	Yes	V.V.S.C	9491055923	<i>[Signature]</i>
15	Balti	F	BC	H.W.	-	-	9813944875	<i>[Signature]</i>
16	Satya Devi	F	BC	H.W.	-	-	-	<i>[Signature]</i>
17	Vinay	M	SC	Farmer	Yes	V.V.S.C	99466685	<i>[Signature]</i>