

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:20 PM User Name : SPMU_Haryana_6

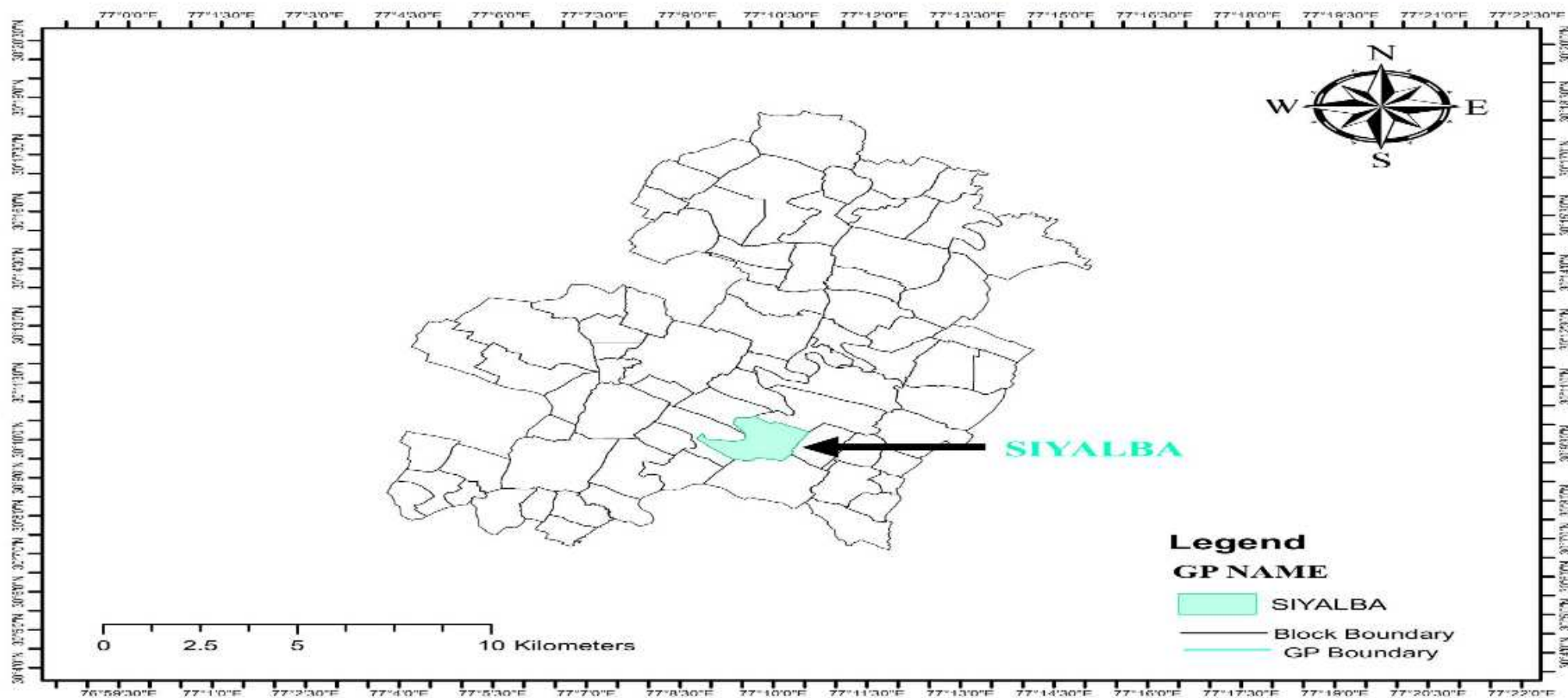
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: SIYALBA_33471 » YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Siyalba_33471
GP ID :	33471	Block Area (Ha) :	20267.2000
GP area (Ha) :	330.8000	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

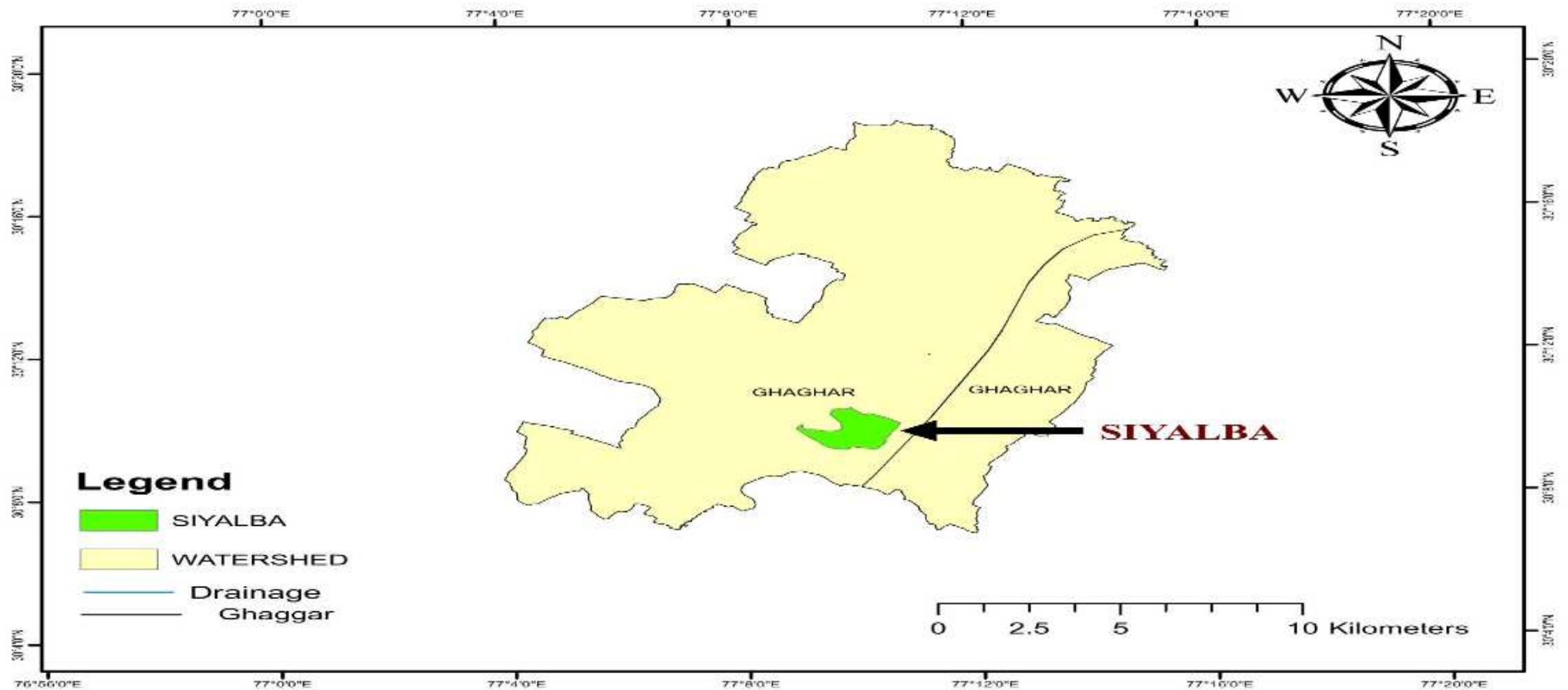
Location Map

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



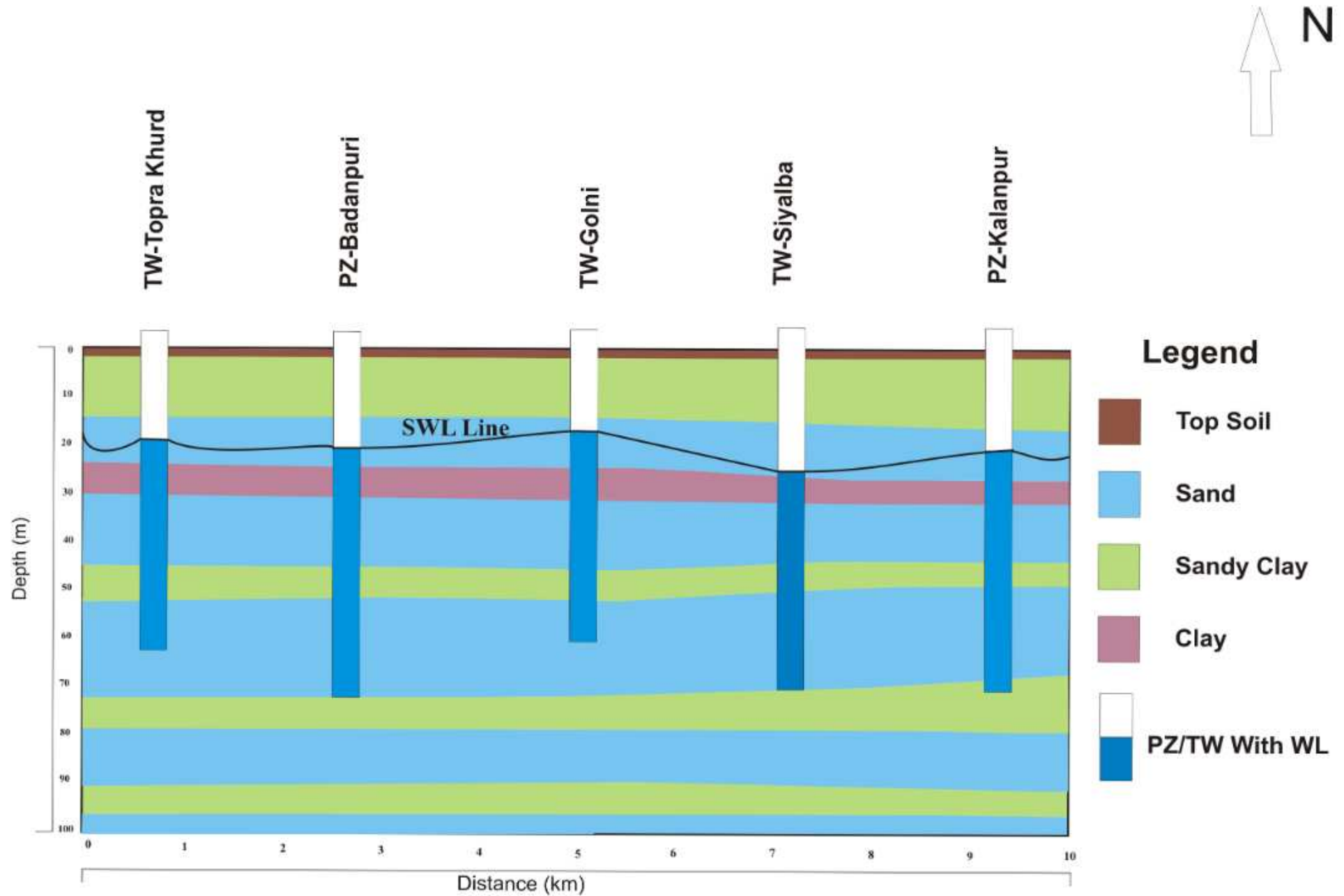
Watershed Map

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



Aquifer Map

Aquifer Map of Topra Khurd, Badanpuri, Golni , Siyalba, Kalanpur 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	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	27.90	2024-02-16
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	27.88	2024-01-12
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	27.90	2023-12-23
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	28.25	2023-11-30
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	29.04	2023-10-30
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	29.10	2023-09-30
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	28.60	2023-08-31
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	29.2	2023-07-30

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
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	31.2	2023-06-30
	Sialba	Near mahrishi Valmiki Mandir	30.15881	77.15499	2023-05-22	033471-001	Tube Well		Private		0.20	76.20	0.17	30.03	2023-05-22
2	Silabha	Govt school	30.16171	77.16483	2024-01-12	034480-002	Tube Well		Government	SGWB	0.150	50.00	0.40	27.97	2024-02-16
	Silabha	Govt school	30.16171	77.16483	2024-01-12	034480-002	Tube Well		Government	SGWB	0.150	50.00	0.40	27.92	2024-01-18
3	Sialbha	Near ravidass mandir	30.16344	77.16574	2024-01-12	664832-003	Tube Well		Government	SGWB	0.150	70.00	0.30	28.24	2024-02-16
	Sialbha	Near ravidass mandir	30.16344	77.16574	2024-01-12	664832-003	Tube Well		Government	SGWB	0.150	70.00	0.30	28.20	2024-01-18

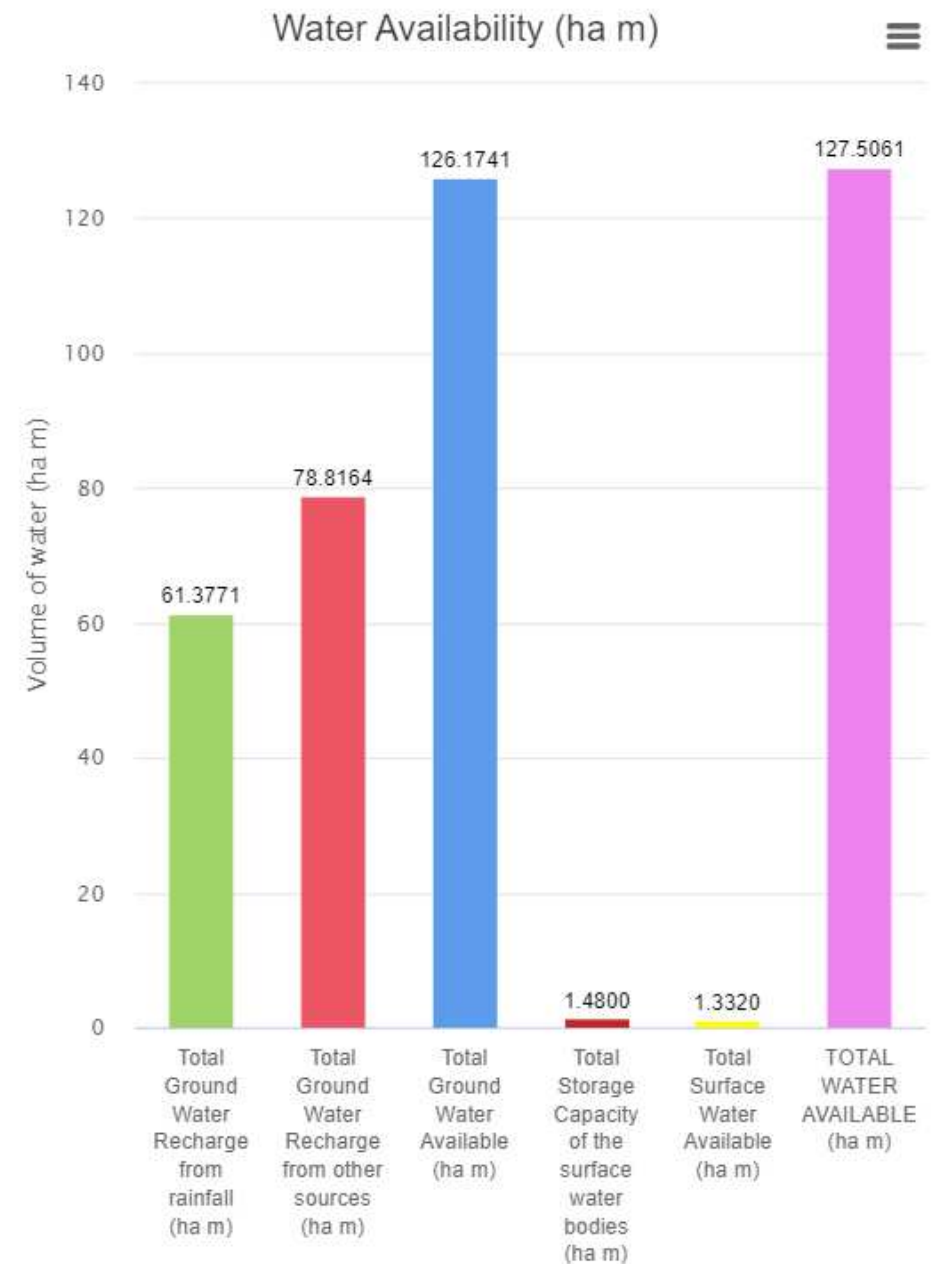
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Sialba	Sialba	30.161926	77.169601	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_sialba_001
2	Sialba	Sialba	30.161777	77.162682	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_sialba_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_sialba_001	76	UNCONFINED	7.1	821	497	190	38	23.1	17	0.8	0	292	25	121	0.49	6.45
2	ABY_YMR_S NAGAR_sialba_002	71	UNCONFINED	7.6	605	369	118	23	14.7	18	0.8	0	240	23	38	0.33	7.56

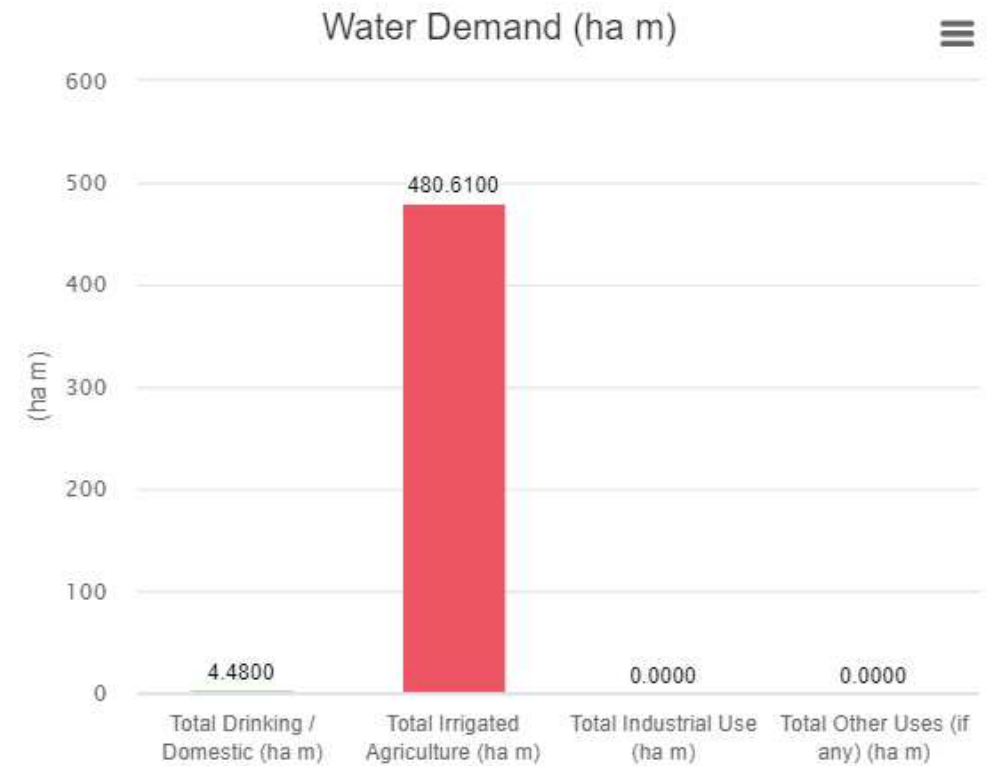
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	590.7228
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	148.7773
e.	Estimated Water Available From Rainfall (ha m)	441.9455
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	132.5836
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	49.2120
(ii)	Non-Monsoon	12.1651
	Total Ground Water Recharge from rainfall (ha m)	61.3771
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	45.6246
(ii)	Non-Monsoon	33.1918
	Total Ground Water Recharge from other sources (ha m)	78.8164
c.	Losses Due to Natural Discharge (ha m)	14.0194
	Total Ground Water Available (ha m)	126.1741
d.	Ground Water Withdrawal (ha m)	254.4182
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	2	1.48
	Total Storage Capacity of the surface water bodies (ha m)	1.4800
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	1.3320
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	1.3320
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	127.5061



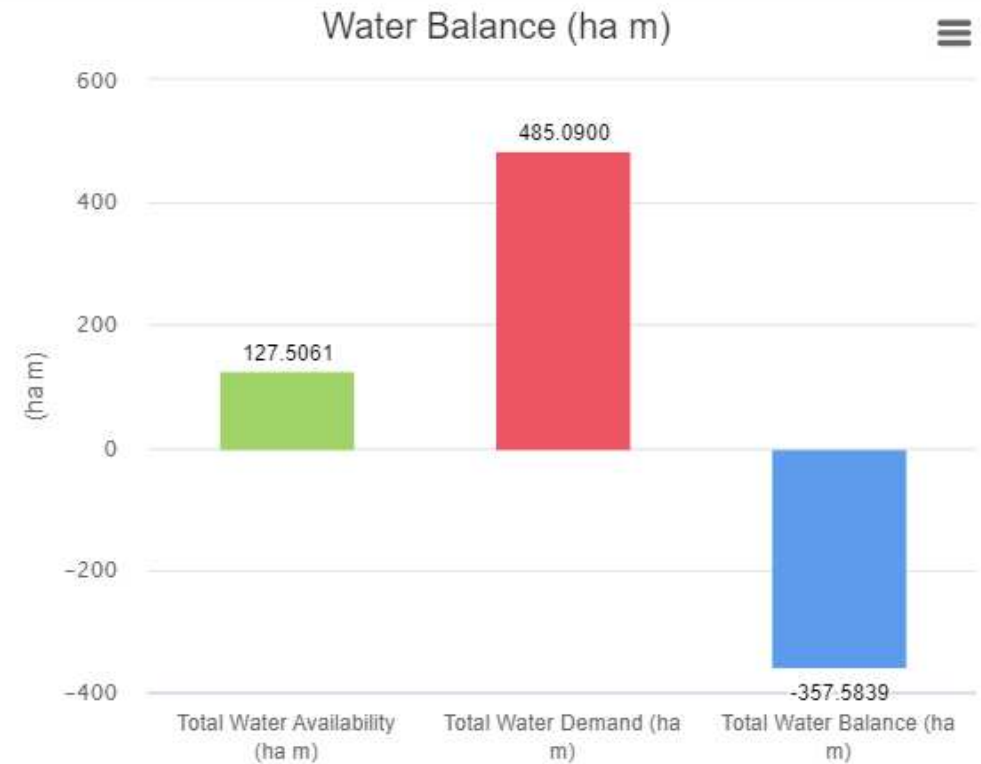
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.4830
ii)	From Ground Water	3.9970
	Total Drinking /Domestic (ha m)	4.4800
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	480.6100
	Total Irrigated Agriculture (ha m)	480.6100
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

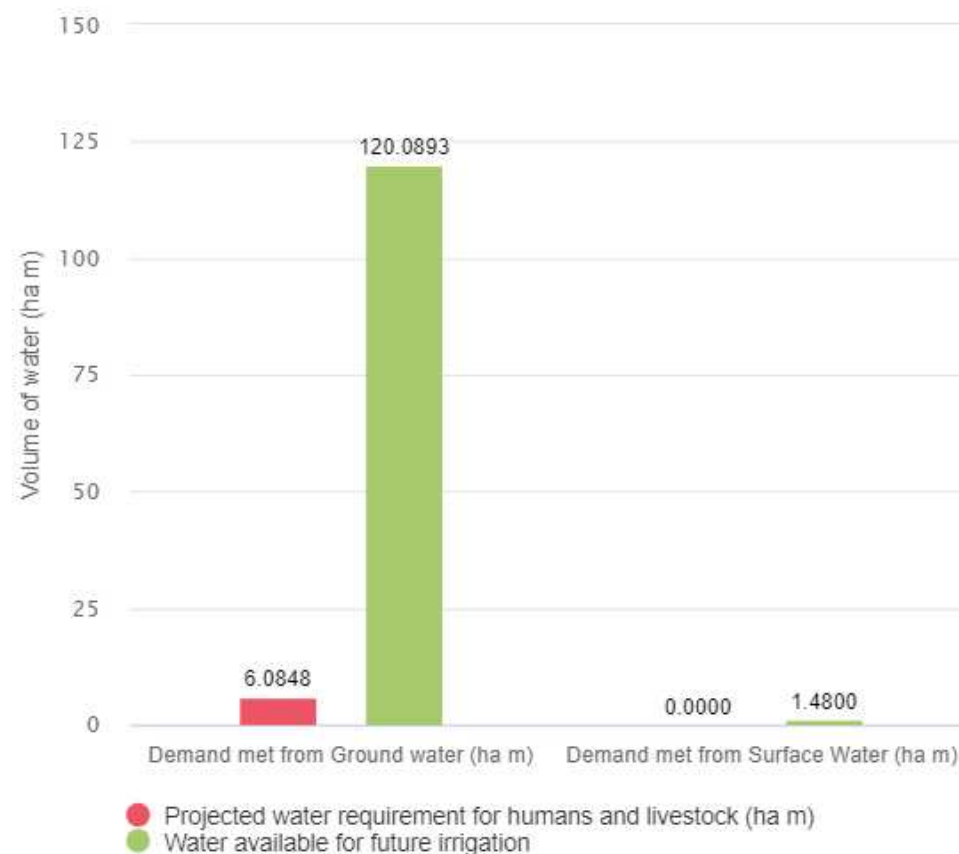
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	126.1741
ii)	Total Surface Water Available	1.3320
	Total Water Availability (ha m)	127.5061
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.4830
ii)	Total Ground Water Demand	484.6070
	Total Water Demand	485.0900
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-358.4329
ii)	Total Surface Water Balance	0.8490
	Total Water Balance	-357.5839



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	1429.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	1972.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	3.9588
II Livestock	
i) Present livestock population	362.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	479.0000
v) Average per capita requirement (L)	121.6022
vi) Projected water requirement for livestock (as in 2050) (ha m)	2.1260
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)	6.0848
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)	6.0848
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	120.0893
ii) Surface water	1.4800
iii) Total water available for future irrigation	121.5693

Projected Water Budget for future use (for year 2050)

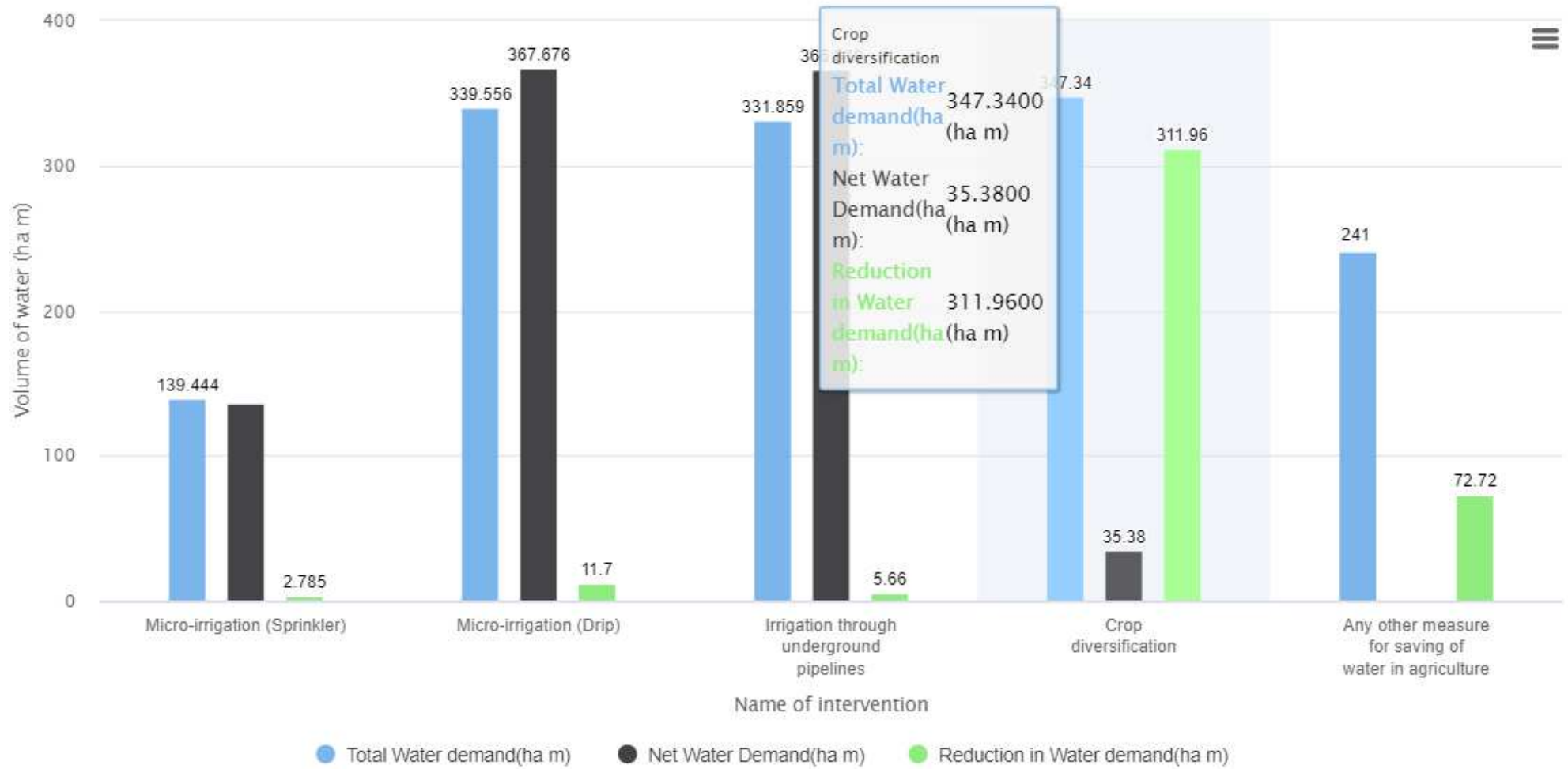


Demand Side

Total Area under Conventional Irrigation (ha) : 508.54999999999995

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	18.0000	139.4440	136.5190	2.7850	20.1600
2	Drip	25.0000	339.5560	367.6760	11.7000	38.2500
3	Pipelines	37.0000	331.8590	366.0190	5.6600	9.2500
4	Crop Diversification	71	347.3400	35.3800	311.9600	12.2800
5	Other Measures	261.0000	241.0000	--	72.7200	13.9200
	Total	412.0000	1399.1990	905.5940	404.8250	93.8600

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	100	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	3.7
2	Sprinkler	18	2024-25	MICADA	PMKSY(Per Drop More Crop)	20.16
3	Drip	25	2024-25	MICADA	PMKSY(Per Drop More Crop)	38.25
4	UG Pipelines	37	2024-25	Agriculture & Farmer Welfare Department	Other	9.25
5	Crop Diversification	21	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.63
6	Crop Diversification	50	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	8.65
7	Other Measures	2	2024-25	Department of Horticulture	Other	0.32
8	Other Measures	80	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	2
9	Other Measures	79	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	7.9
	Total	412				93.8600

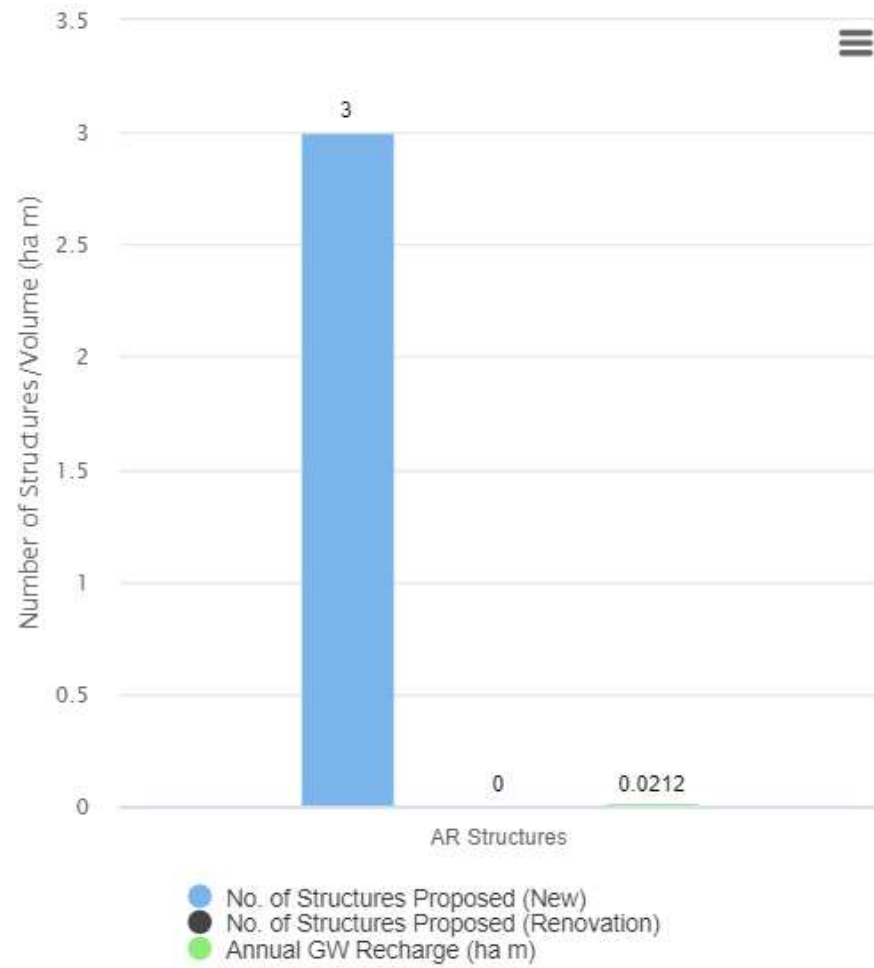


Supply Side

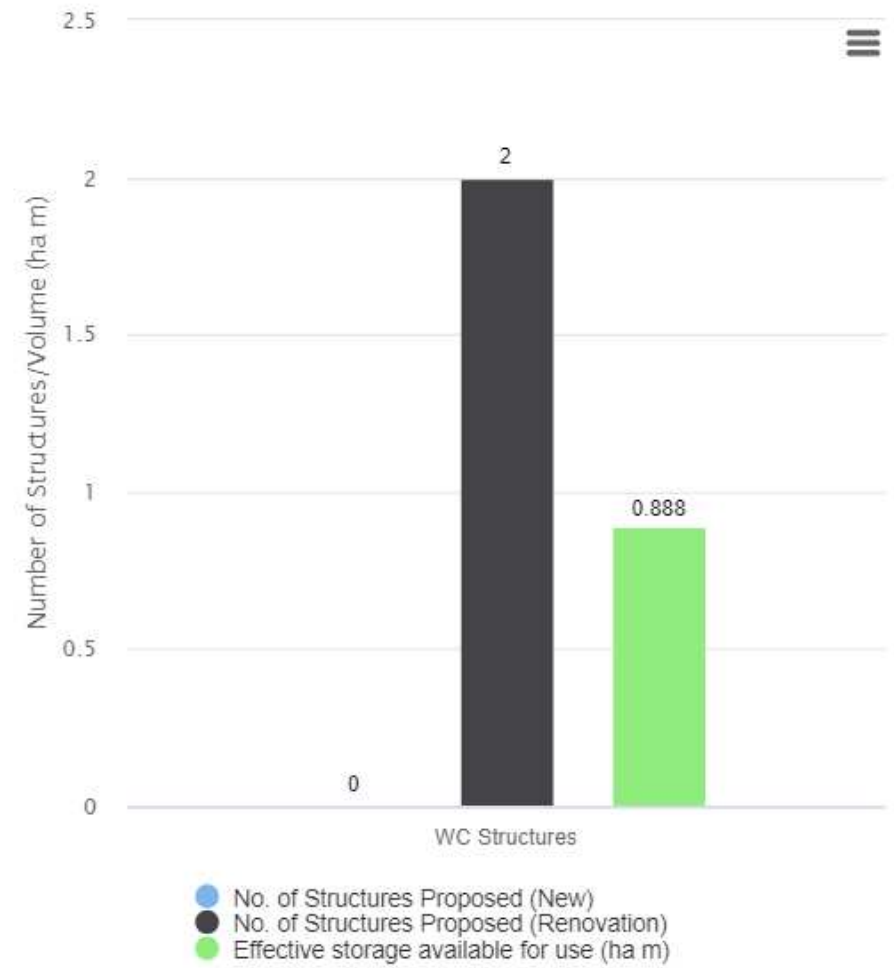
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Recharge Pit And Shaft(New)	0.0018	0.002700	Sialba (46)	30.1613	77.1639	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	roof top rain water harvesting system (New)	0.00616	0.0184800	Sialba (46)	30.163	77.1669	2024-25	Department of Education	CSR	4.5
3	Piezometer(New)	0	0.00	Sialba (46)	30.163142	77.165167	2024-25	Irrigation & Water Resource Development	Other - Atal Bhujal Yojana	6
	Total	0.0080	0.0212							11.1200

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)	0.74	0.444	Sialba (46)	30.1617	77.1664	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
2	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Sialba (46)	30.1617	77.16645	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
	Total	1.4800	0.8880							20.5400

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	ALKA	MEMBER	Female	9050971077
2	NIRMAL KAUR	MEMBER	Female	8930033428
3	PURAN CHAND	MEMBER	Male	8397898966
4	RAM KUMAR	MEMBER	Male	9671290116
5	UDAYVEER SINGH	MEMBER	Male	9671318281
6	POOJA	CHAIRPERSON	Female	9813419609
7	NEERU BALA	MEMBER	Female	8053209393
8	RAJNI DEVI	MEMBER	Female	9813931020
9	SAVITA RANI	MEMBER	Female	9050152523
10	MOHAN LAL	MEMBER	Male	7400087488
11	NIRMAL DEVI	MEMBER	Female	8168982965
12	ANGREJO	MEMBER	Female	7027329815
13	PARAMVEER	MEMBER	Male	7027119720
14	RAHUL	JE	Male	8950718884
15	VIKRAM SINGH	GRAM SACHIV	Male	
16	GURPREET SINGH	JE PHED	Male	9053779442

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	Siyalba_33471	2024-02-01	Siyalba_33471	Sialba (46)	Sarpanch House	15	10	0	25

Photograph



GPS Map Camera



Google

Jhar Chandna, Haryana, India

5568+J46, Jhar Chandna, Sialba, Haryana 133103, India

Lat 30.161732°

Long 77.164227°

01/02/24 12:55 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 Liyalba 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.W.E DPMU

Minutes of Meeting

Village Name: SIYLBHA

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: SARPANCH HOUSE

Lat. No. 30-161732

Long No. 77-164227

Date: 1/2/24

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

उत्तर भूजल योजना के अन्तर्गत आज दिनांक सिम 1/2/24 को ग्राम पंचायत सिमालबा में सरपंच श्री/श्रीमती POOJA की अध्यक्षता में जल व स्वच्छता समिति की बैठक का आयोजन किया गया जिसमें निम्नलिखित बिंदुओं पर चर्चा की गई: →

- ⇒ ग्राम पंचायत में जोड़ का पुनर्निर्माण किया जाए!
- ⇒ सिंचाई के लिए भूमिगत परियोजना की व्यवस्था की जाए।
- ⇒ खेतों में DSR विधि से धान की बुवाई की व्यवस्था की जाए।
- ⇒ खेतों में मलल अवशेष प्रबंधन की व्यवस्था की जाए।
- ⇒ ग्राम पंचायत में स्कूल व धर्मशाला में शोकेज पिट व RTRWHS बनवाए जाएं!

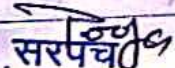
उपरोक्त सभी बिंदुओं पर विस्तार से चर्चा करके बैठक में उपस्थित सभी सदस्यों की सहयता से जल सुरक्षा व स्वच्छता समिति योजना में प्रस्ताव को पारित किया गया।

ANNEXURE III

RESOLUTION

Date: 01/02/2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat... SIYALBAHA
Block/Taluk/Mandal Sarwati Nagar District-Yamunanagar, State- Harayana 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 01/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Pooje	 ग्राम पंचायत-स्यालबा खण्ड-सरस्वती नगर जिला-यमुनानगर
2	Gram Panchayat Secretary	Sh. Vikram Singh	

ATTENDANCE SHEET

Gram Panchayat: SARASWATIMeeting: GOVT. RANGERS NAGAR BLOCK: 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	Pooja	F	S.C	labour	Yes	Govt. Panchayat	9813419609	Pooja
2	Purnam chand	M	S.C	labour	No	-	8397898966	Purnam chand
3	Sukbir Singh	M	S.C	labour	No	-	9728185459	Sukbir
4	ALKA	F	Gen	H.W	Yes	Govt. Panchayat	9991570206	ALKA
5	Mohan Lal	M	Gen	labour	Yes	Govt. Panchayat	7400081488	Mohan Lal
6	Rajdeep	M	Gen	Farmer	No	No	9991570206	Rajdeep
7	Purnam chand	M	S.C	labour	No	V.V.S.C	8397898966	Purnam chand
8	Randeep Singh	M	Gen	Farmer	No	No	9050971077	Randeep Singh
9	Pankaj	M	Gen	Farmer	Yes	Govt. Panchayat	7027119720	Pankaj
10	MANITA RANI	F	SC	H.W	No	No	9050849280	MANITA RANI
11	Ram Kumar	M	B.C	Farmer	Yes	V.V.S.C	9671290116	Ram Kumar
12	Kaishna Devi	F	S.C	H.W	No	No	9992314847	Kaishna Devi
13	NEERO BABA	F	S.C	H.W	Yes	V.V.S.C	8053209393	NEERO BABA
14	Talok chand	M	S.C	labour	Yes	Govt. Panchayat	8397898966	Talok chand
15	Savita Rani	F	S.C	worker	Yes	V.V.S.C	9050159593	Savita Rani
16	Nirmala Devi	F	S.C	H.W	No	No	8053507824	Nirmala Devi
17	UDAYVAR Singh	M	B.C	Farmer	Yes	V.V.S.C	9671318281	UDAYVAR Singh

Meeting : Grd. Rakesh Kumar BLOCK : Saraswati nagar DISTRICT : Yamuna Nagar