Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:10 PM User Name : Dr. Prabhat

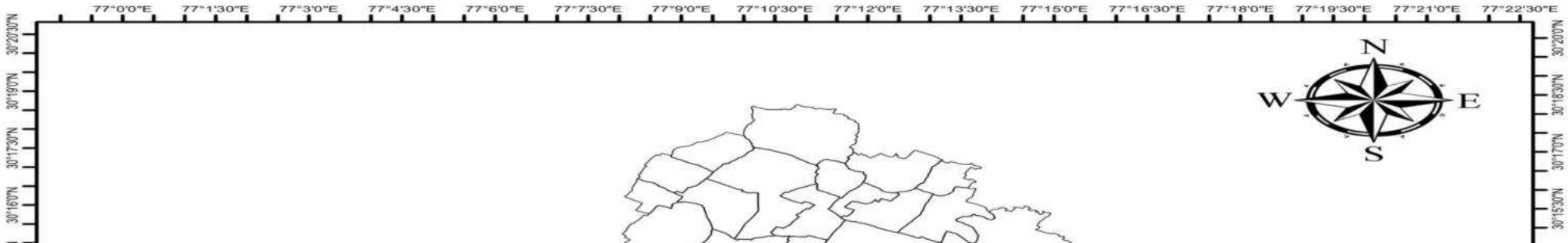
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: SAHABPURA_33470 » YEAR: 2024-25 »

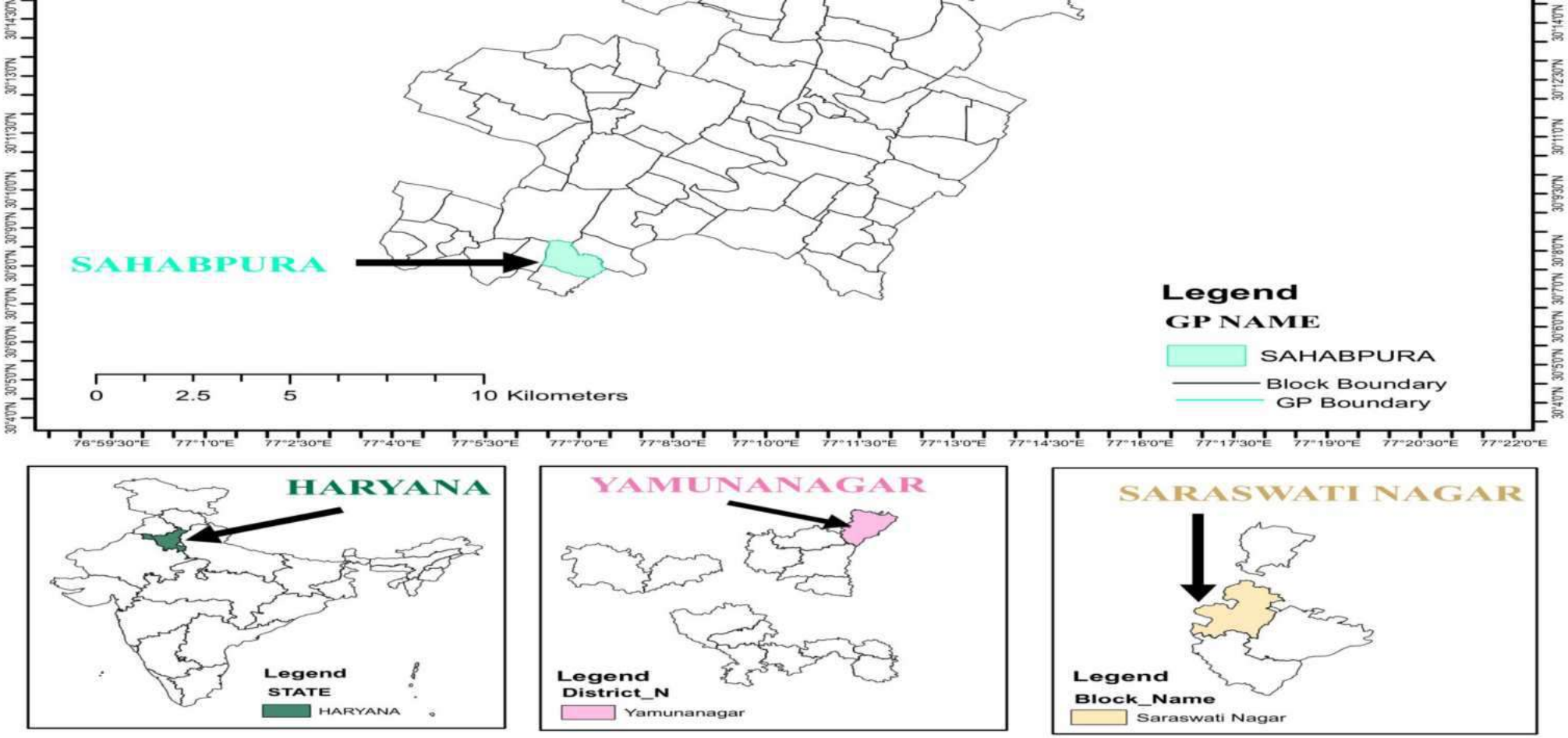
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Sahabpura_33470
GP ID :	33470	Block Area (Ha) :	20267.2000
GP area (Ha) :	230.0000	Watershed Code :	GHHR003
Watershed name :	SRASWATI	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

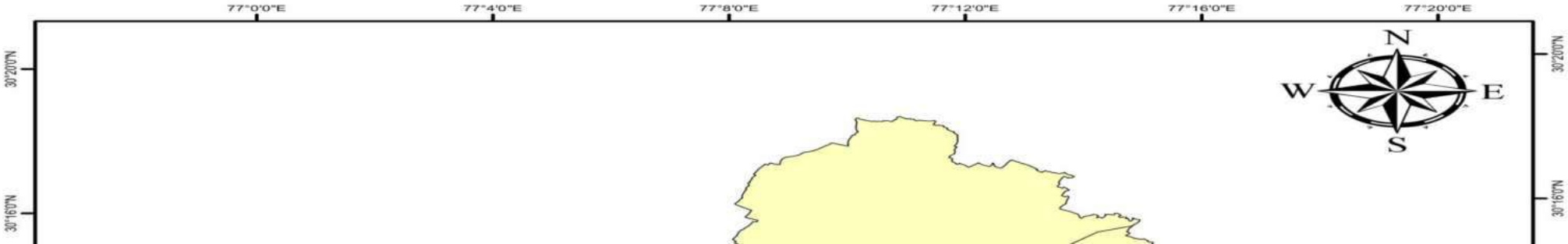
Location Map : GP Sahabpura, Block Saraswati Nagar, District Yamunanagar

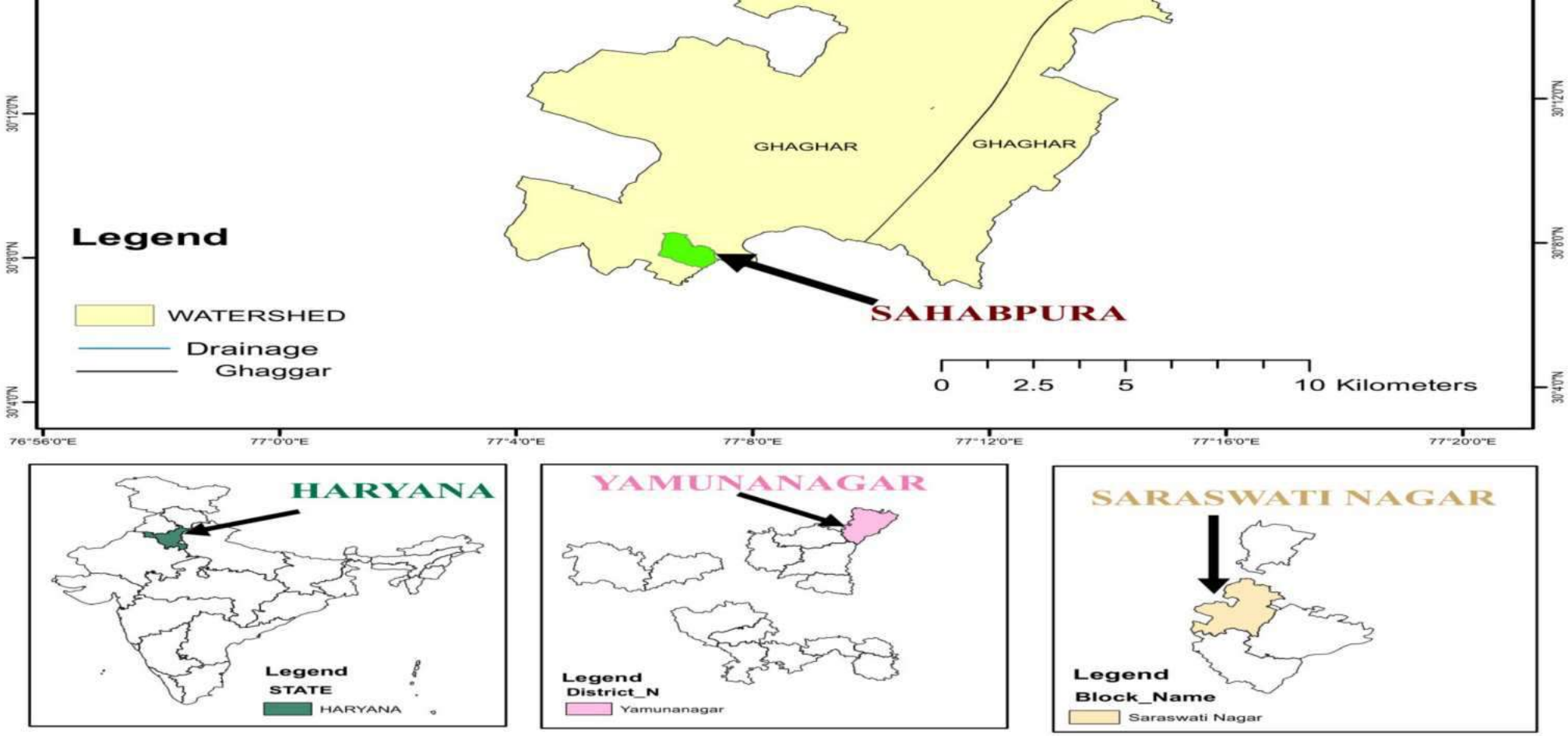




Watershed Map

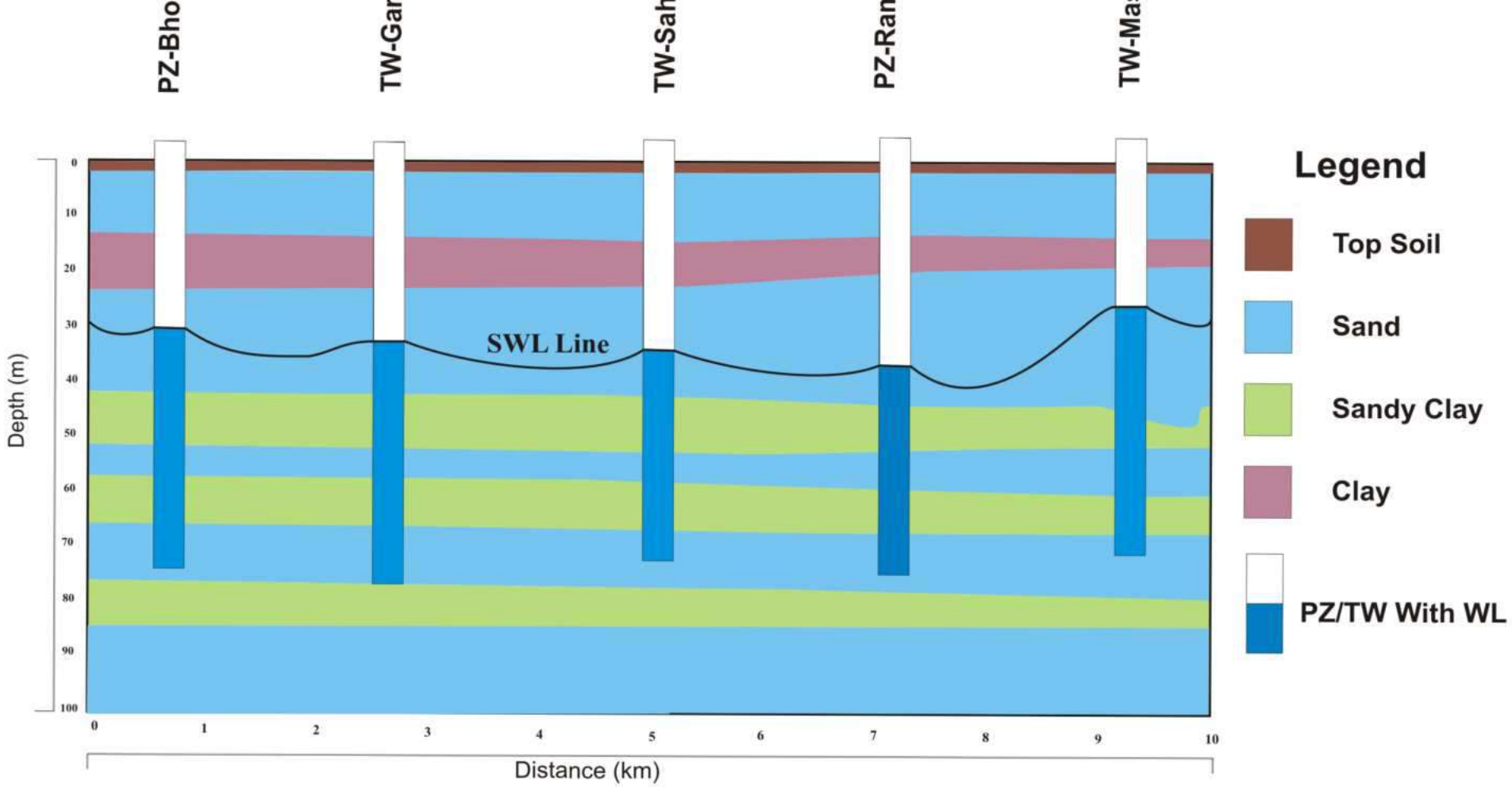
Watershed & Drainage Map : GP Sahabpura, Block Saraswati Nagar, District Yamunanagar





Aquifer Map

Aquifer Map of Bhogpur, Garhi Sikandra, Sahabpura, Ramgarh , Masana Jattan 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	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	31.73	2024-02-13
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	31.70	2024-01-21
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	31.63	2023-12-24
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	32.20	2023-11-29

	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	32.52	2023-10-26
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	33.12	2023-09-30
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	32.85	2023-08-30
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	32.50	2023-07-31
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	33.45	2023-06-28
	Sahabpura	Near csc	30.13007	77.11398	2023-05-23	033470-001	Tube Well		Private		0.20	47.00	0.65	32.88	2023-05-23
2	Sahabpura	On road jal saheli House	30.13203	77.11314	2024-01-19	224712-002	Others	Solar pump motor	Private		0.250	90.00	0.50	32.13	2024-02-13
	Sahabpura	On road jal saheli House	30.13203	77.11314	2024-01-19	224712-002	Others	Solar pump motor	Private		0.250	90.00	0.50	32.10	2024-01-19

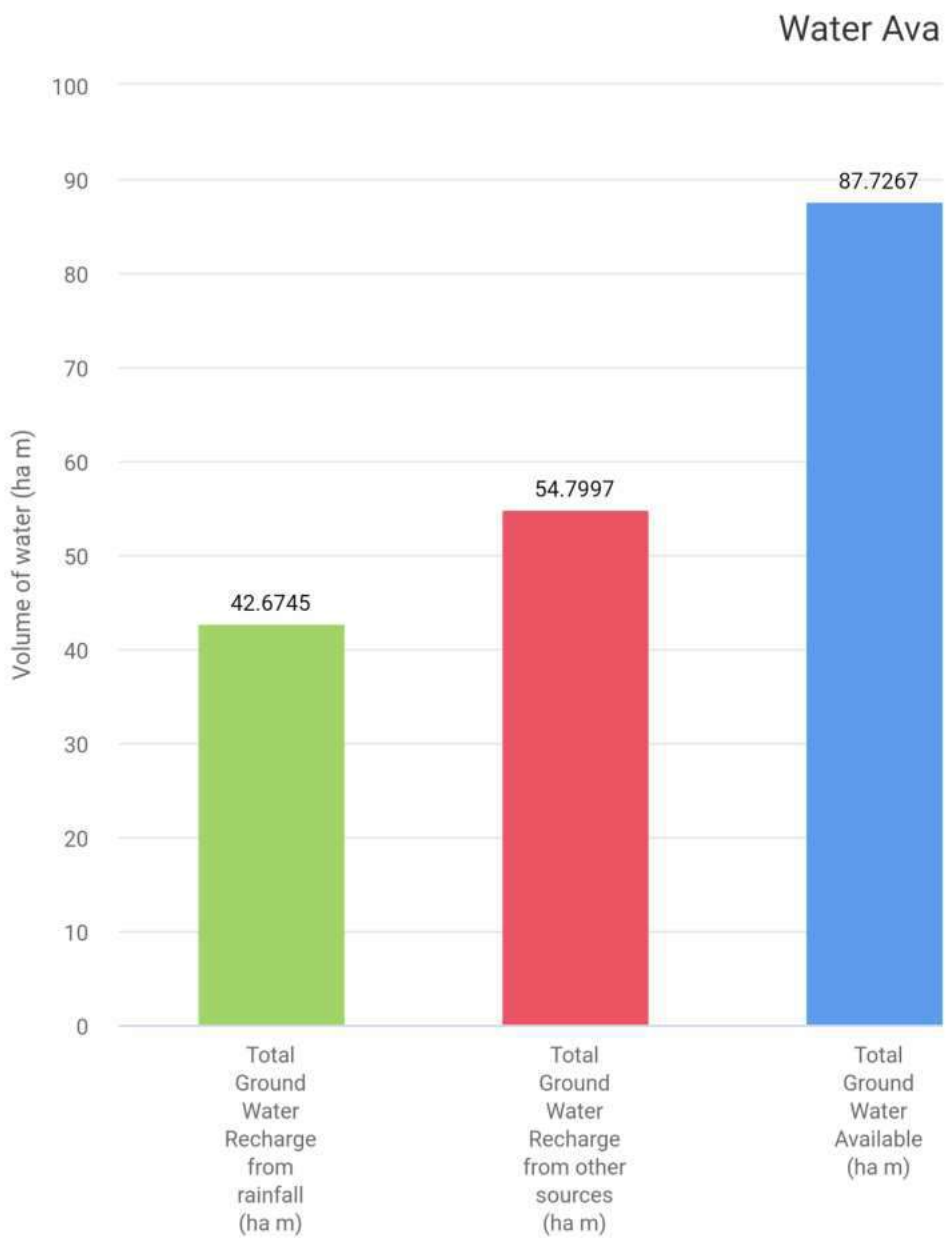
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Sahabpura	Sahabpura	30.132589	77.112045	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Sahabpura _001
2	Sahabpura	Sahabpura	30.12878	77.116364	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Sahabpura _002
3	Shahabpura	null	30.13	77.114722	2017	Tube Well	CGWB	WQ PV 13563
	Shahabpura	null	30.13	77.114722	2018	Tube Well	CGWB	WQ PV 13563
	Shahabpura	null	30.13	77.114722	2019	Tube Well	CGWB	WQ PV 13563
	Shahabpura	null	30.13	77.114722	2020	Tube Well	CGWB	WQ PV 13563
	Shahabpura	null	30.13	77.114722	2021	Tube Well	CGWB	WQ PV 13563
	Shahabpura	null	30.13	77.114722	2015	Tube Well	CGWB	WQ PV 13563
	Shahabpura	null	30.13	77.114722	2016	Tube Well	CGWB	WQ PV 13563
4	Shahabpura	null	30.13	77.114722	2022	Tube Well	CGWB	WQ PV 13566

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)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulphate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)
1	ABY_YMR_S NAGAR_ Sahabpura _001	46	UNCONFINED	8.2	467	284	88	19	9.8	17	0.5	24	190	22	32	0.26	4.56
2	ABY_YMR_S NAGAR_ Sahabpura _002	49	UNCONFINED	7.6	622	382	146	28	18	14	0.5	0	231	29	48	0.45	6.5
3	WQ PV 13563	0	null	7.98	994	0	286	78	22	108	11	0	339	228	6.94	0.44	1.13
	WQ PV 13563	0	null	8.06	490	0	160	28	22	56	3.1	0	256	23	28	0.53	0.2
	WQ PV 13563	0	null	8.06	418	0	140	36	12	58.8	2.8	0	268	8.16	28	0.41	0.2
	WQ PV 13563	0	null	8.6	609	0	130.104	20.04	19.456	84	8.1	48	195.264	39	21.27	0.12	0.27
	WQ PV 13563	0	null	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WQ PV 13563	0	null	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	WQ PV 13563	0	null	8	625	0	157	24	24	70	7.9	0	263	0	69	0.43	0.76
4	WQ PV 13566	0	null	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Availability Report

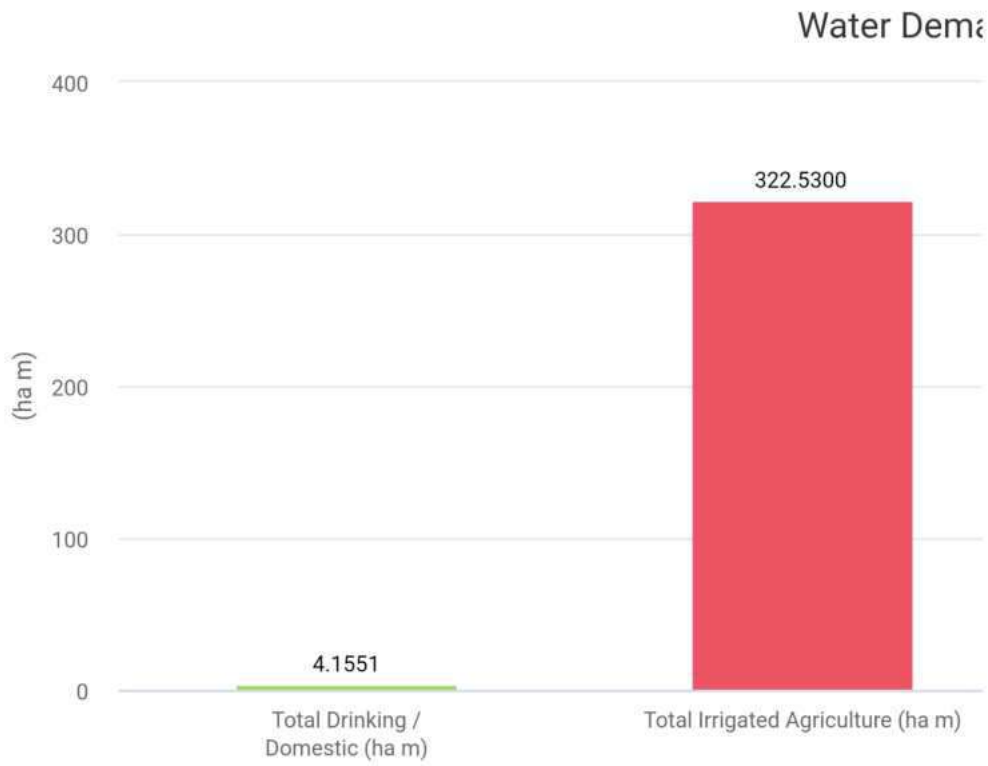
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	410.7202
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	103.4425
e.	Estimated Water Available From Rainfall (ha m)	307.2777
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	92.1833
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	34.2163
(ii)	Non-Monsoon	8.4582
	Total Ground Water Recharge from rainfall (ha m)	42.6745
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	31.7220
(ii)	Non-Monsoon	23.0777
	Total Ground Water Recharge from other sources (ha m)	54.7997
c.	Losses Due to Natural Discharge (ha m)	9.7475
	Total Ground Water Available (ha m)	87.7267
d.	Ground Water Withdrawal (ha m)	176.8930
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	3	2.22
	Total Storage Capacity of the surface water bodies (ha m)	2.2200
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	1.9980



(iii)	Surface Water Available in Storages (ha m)	1.9980
b.	Transported Water from outside GP area (ha m)	
c.	Total Surface Water Available (ha m)	1.9980
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	89.7247

Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1995
ii)	From Ground Water	3.9556
	Total Drinking /Domestic (ha m)	4.1551
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	322.5300
	Total Irrigated Agriculture (ha m)	322.5300
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



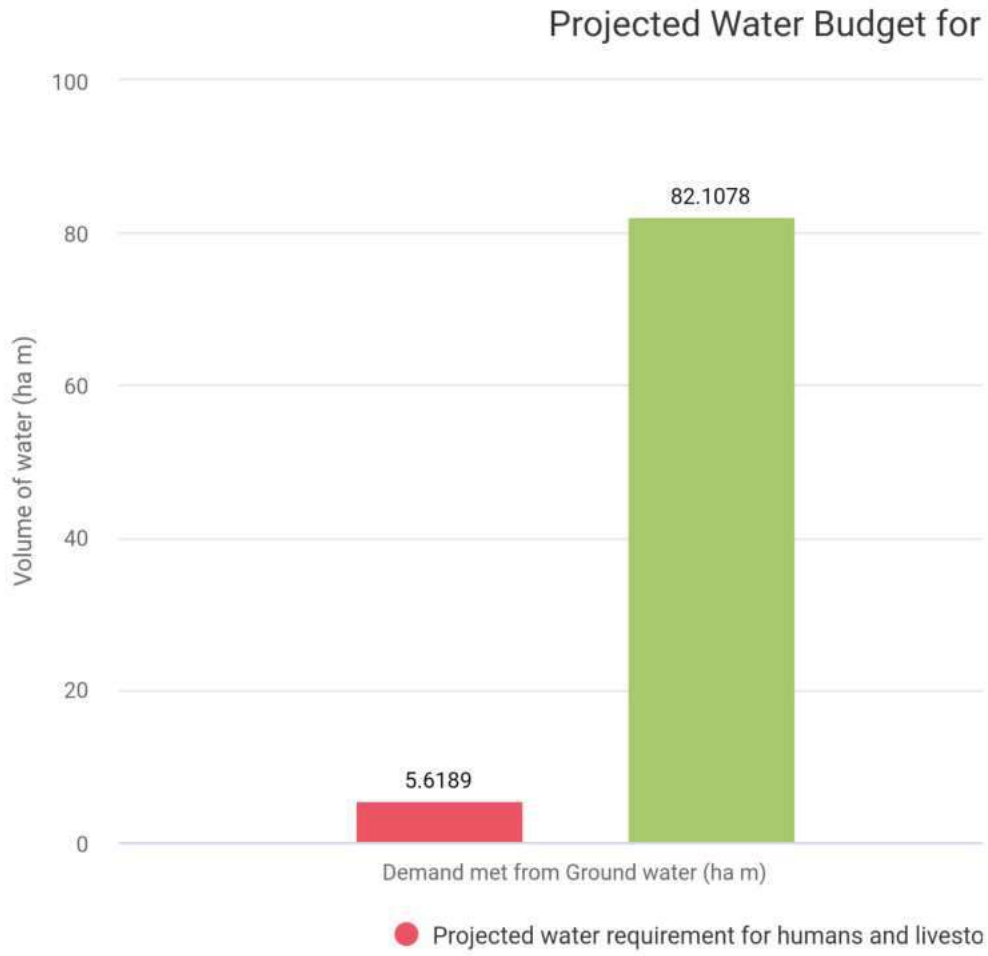
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	87.7267
ii)	Total Surface Water Available	1.9980
	Total Water Availability (ha m)	89.7247
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1995
ii)	Total Ground Water Demand	326.4856
	Total Water Demand	326.6851

C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-238.7589
ii)	Total Surface Water Balance	1.7985
	Total Water Balance	-236.9604

Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	1075.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	1483.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	2.9771
II	Livestock	
i)	Present livestock population	435.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	576.0000
v)	Average per capita requirement (L)	125.6552
vi)	Projected water requirement for livestock (as in 2050) (ha m)	2.6418
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)	5.6189
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)	5.6189
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	82.1078
ii)	Surface water	1.0000



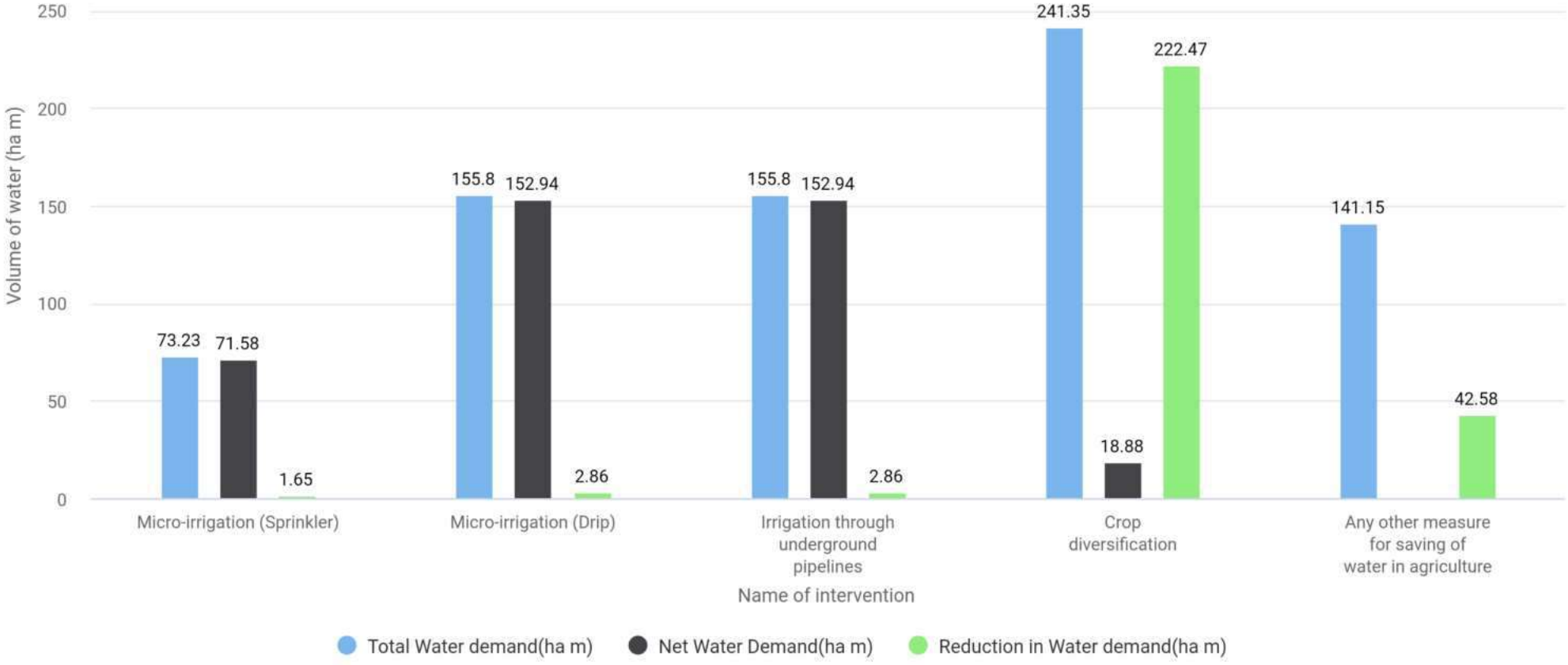
ii)	Surface water	1.9980
iii)	Total water available for future irrigation	84.1058

Demand Side

Total Area under Conventional Irrigation (ha) : 338.31399999999996

Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ham)	Net Water Demand(ham)	Reduction in Water demand(ham)	Approximate cost(in lakh)
1	Sprinkler	10.0000	73.2300	71.5800	1.6500	11.2000
2	Drip	13.0000	155.8000	152.9400	2.8600	19.8900
3	Pipelines	13.0000	155.8000	152.9400	2.8600	3.2500
4	Crop Diversification	39	241.3500	18.8800	222.4700	6.7470
5	Other Measures	161.0000	141.1500	--	42.5800	8.7500
	Total	236.0000	767.3300	396.3400	272.4200	49.8370

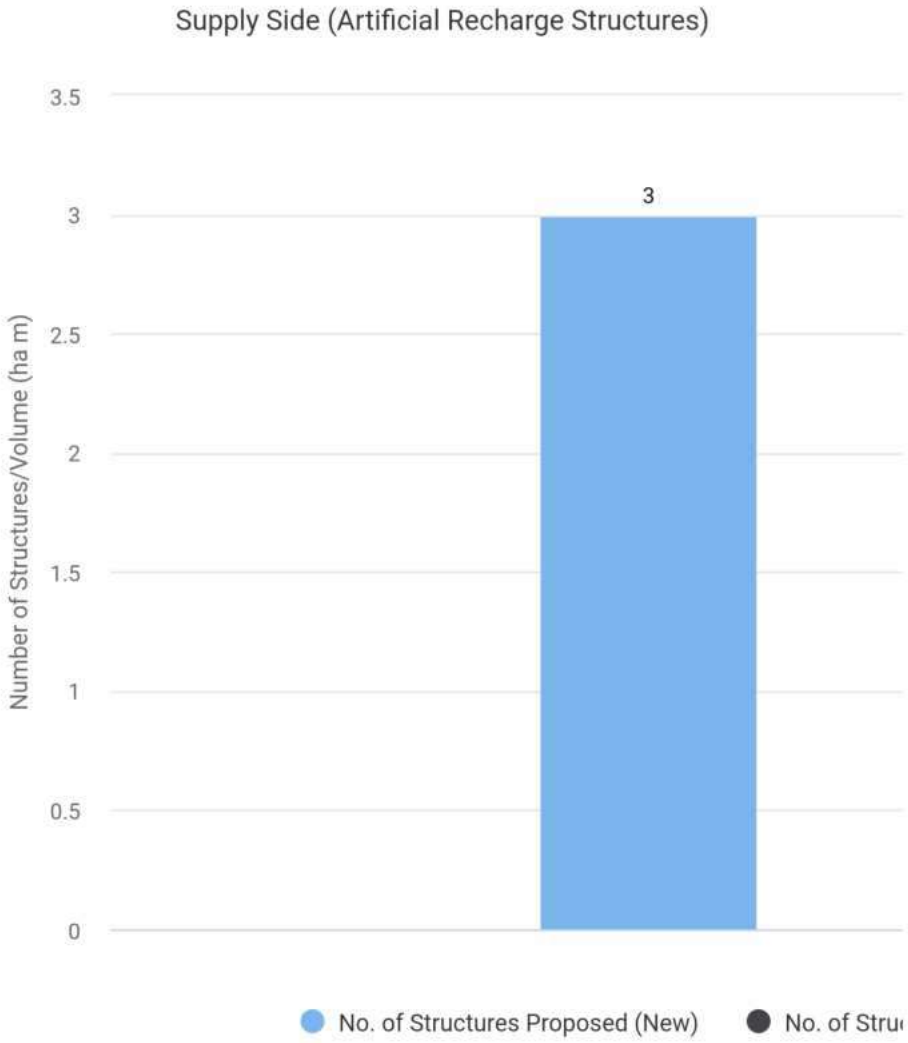
Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	65	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	2.405
2	Sprinkler	10	2024-25	MICADA	PMKSY(Per Drop More Crop)	11.2
3	Drip	13	2024-25	MICADA	PMKSY(Per Drop More Crop)	19.89
4	UG Pipelines	13	2024-25	Agriculture & Farmer Welfare Department	Other	3.25
5	Crop Diversification	9	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	1.557
6	Crop Diversification	30	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5.19
7	Other Measures	2	2024-25	Department of Horticulture	Other	0.32
8	Other Measures	45	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.125
9	Other Measures	49	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	4.9
	Total	236				49.8370

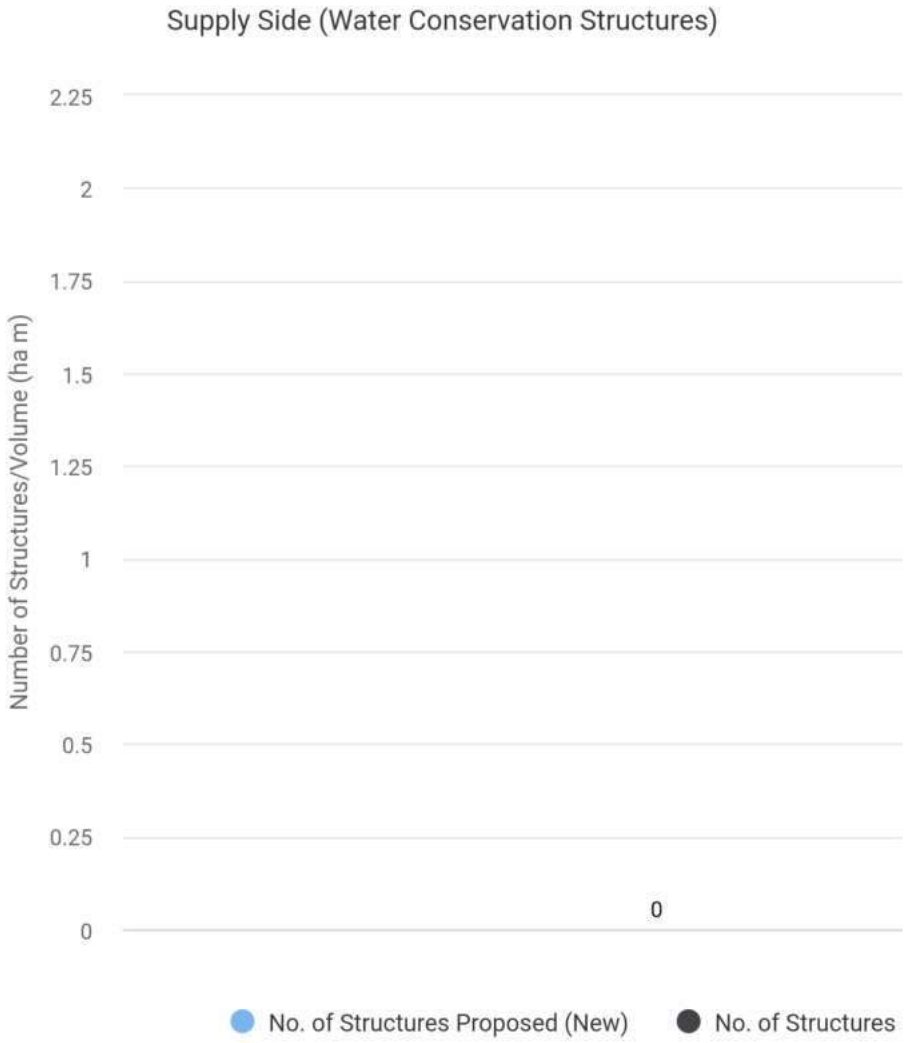


Supply Side

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	Injection Wells/ Recharge Wells(New)	0.00231	0.0069300	Shahab Pura (185)	30.12709	77.11856	2024-25	Irrigation & Water Resource Development	Departmental Scheme	2.4
2	roof top rain water harvesting system (New)	0.00616	0.0184800	Shahab Pura (185)	30.13135	77.11439	2024-25	Department of Education	CSR	4.5
3	Injection Wells/ Recharge Wells(New)	0.00231	0.0069300	Shahab Pura (185)	30.12729	77.11737	2024-25	Irrigation & Water Resource Development	Departmental Scheme	2.40
	Total	0.0108	0.0323							9.3000

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	Shahab Pura (185)	30.127214	77.11873	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
2	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Shahab Pura (185)	30.13075	77.11402	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
	Total	1.4800	0.8880							20.5400





PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	RAHUL	MEMBER	Male	9518289468
2	SAGAR	MEMBER	Male	8901831436
3	RAJ RANI	MEMBER	Female	8053536177
4	VINOD KUMAR	CHAIRPERSON	Male	7056596413
5	REENA	MEMBER	Female	8930384572
6	SUMAN DEVI	MEMBER	Female	9728250408
7	RANBIR	MEMBER	Male	9992642265
8	SUNITA	MEMBER	Female	7056596413
9	ANJU BALA	MEMBER	Female	9017744318
10	VIMLA	MEMBER	Female	9812673842
11	JAI SINGH	MEMBER	Male	8930157015
12	SAVITA	MEMBER	Female	9485525481
13	RAMESHWAR DASS	JE PHED	Male	9991110051

Details of PGWM Meeting in which resolution was passed

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	Sahabpura_33470	2024-02-13	Sahabpura_33470	Shahab Pura (185)	RAVJIV SEVA KENDRA	15	10	0	25

Photograph

Photograph

राजीव गांधी सेवा केन्द्र शाहबपुरा
सामुहिक जन सहभागिता कार्यक्रम
अटल भूजल योजना
GPS Map Camera
Google
Garhi Sikandarah, Haryana, India
44J7+5C7, Garhi Sikandarah, Haryana 133103, India
Lat 30.130188°
Long 77.113635°
13/02/24 12:31 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 Sahabpura 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

Parveen Kumar
G.W.E DPMU

Minutes of Meeting

Village Name: Sahabpura

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Rajiv Gandhi Sewa Sadan Lat. No. 30.130188

Date: 13/02/24

Long No. 77.113635

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

अटल भूजल के अंतर्गत आज दिनांक 13/02/24 को ग्राम पंचायत शाहबपुरा में सरपंच श्री विनोद कुमार की अध्यक्षता में ग्राम पंचायत जल एंव स्वच्छता समिति की बैठक का आयोजन किया गया, मिटिंग में सरपंच, किसान, और ग्रामीणों ने भाग लिया, इस बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई।

1. ग्राम पंचायत में जोहड़ का पुनर्निर्माण किया जाए।
2. किसानों के खेतों में ड्रिप एंव फुव्वारा सिंचाई विधि लगायी जाए।
3. ग्राम पंचायत में स्कूल या धर्मशाला में शोकेज पिट व RTRWHS बनवाये जाए।
4. खेतों में DSR विधि से धान की बुवाई की व्यवस्था की जाए।
5. खेतों में फसल अवशेष प्रबंधन की व्यवस्था की जाए।

उपरोक्त को जल सुरक्षा योजना में पारित किया गया और ये सभी कार्य करवाये जाए, इन सभी कार्यों के लिए ग्राम पंचायत जल एंव स्वच्छता समिति की बैठक में सभी सहभागियों की सहमती से प्रस्ताव पारित किया गया।

ANNEXURE III

RESOLUTION

Date: 13/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat SHAHABPURA Block/Taluk/Mandal Saraswati 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 13/02/24.

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Vinod Kumar	Vinod Kumar Sarpanch Gram Panchayat Shahabpura Block Saraswati Nagar (Yna.)
2	Gram Panchayat Secretary	SH. VIKRAM	

ATTENDANCE SHEET

Gram Panchyat:- Sahab Pura Meeting : Rajiv gandhi seva sadan 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	Vinod kumar	M	SC	sarpanch	Yes	V.W.S.C	7056596413	Vinod Kumar
2	Savita	F	BC	Bhausal sahali	Yes	V.W.S.C	9485525487	Savita
3	Balseet Rani	F	SC	A.W.H	Yes	V.W.S.C	7027653604	Balseet Rani
4	Vimla	F	OT	A.W.W	Yes	V.W.S.C	9812673842	Vimla
5	Tatbir kumar	M	Gen.	Panch	-	-	9992594586	[illegible]
6	Pardeep	M	BC	Panch	-	-	8930384578	Pardeep
7	Ram kumar	M	SC	Farmer	-	-	9467119568	राम कुमार
8	Gurnam Singh	M	OBC	Farmer	-	-	9416085228	Gurnam Singh
9	Sukhbir singh	M	OBC	"	-	-	9050832137	सुखबीर सिंह
10	Sagmer Singh	M	Gen	Farmer	-	-	9813474905	Sagmer Singh
11	Rahul	M	BC	Student	Yes	V.W.S.C	7056596413	Rahul
12	Anju Bala	F	SC	H.W	Yes	V.W.S.C	9017744318	अंजू बाला
13	Rinku	M	OBC	Student			9671240817	Rinku
14	Jai Singh	M	OBC	Farmer	Yes	V.W.S.C	8930157015	Jai Singh
15	Lovedeep	M	OBC	Chowkidar	Yes	V.W.S.C	7494992488	Lovedeep Singh
16	Randhir Singh	M	SC	Operator Farmer	Yes	V.W.S.C Pres	9992642265	रणधीर
17	Gaurav	M	BC	Farmer	-	-	8054539008	Gaurav

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	Ranbir	M	BC	Farmer	Yes	U.W.S.C	9992649965	Ranbir
19	Meena Rani	F	SC	H.W	–	–	8053251490	Meena Rani
20	Sonia	F	BC	H.W	–	–	9991229354	सोनिया
21	Jai Singh	M	BC	Farmer	Yes	U.W.S.C	8930157945	Jai Singh
22	Anju Bala	F	SC	Panch	–	–	9017744318	अंजु बाला
23	Suman Devi	F	SC	H.W	Yes	U.W.S.C	9728250408	सुमन देवी
24	Seema	F	BC	H.W	–	–	9812512252	सीमा
25	Kusham	F	SC	H.W	–	–	8194033770	कुसम