

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:13 PM User Name : Dr. Prabhat

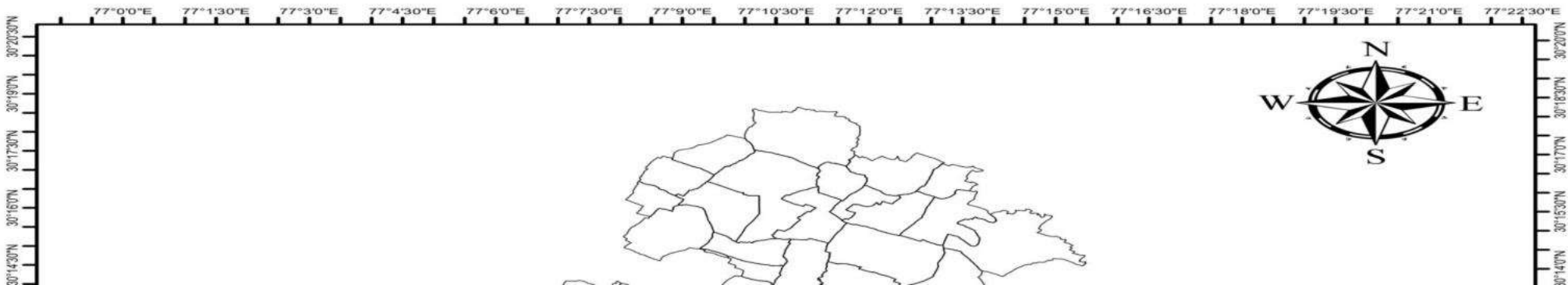
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: SARAN_33472 » YEAR: 2024-25 »

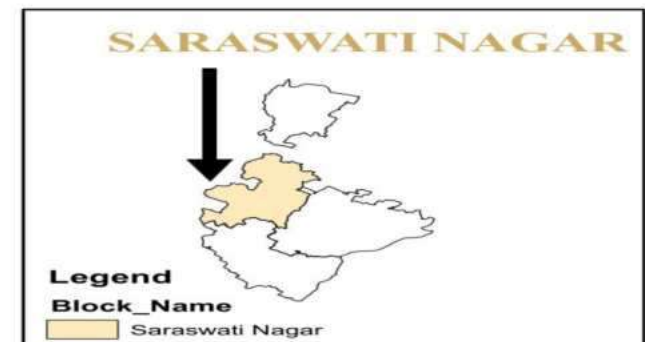
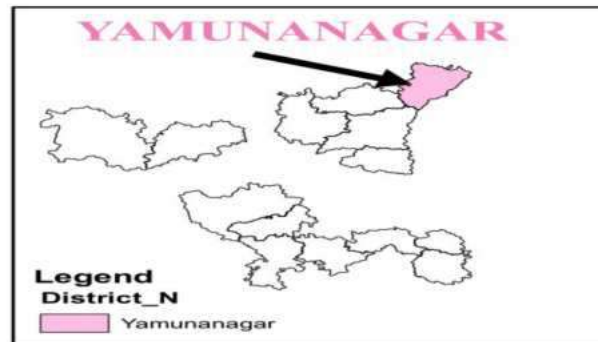
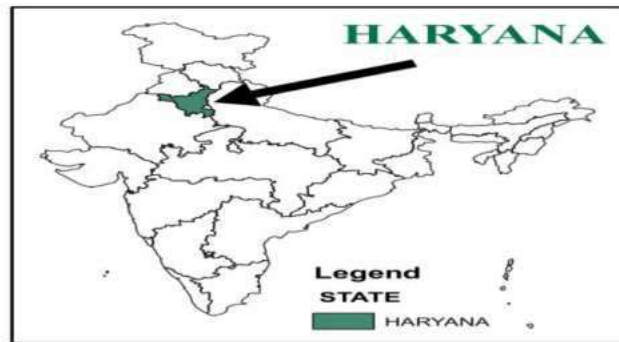
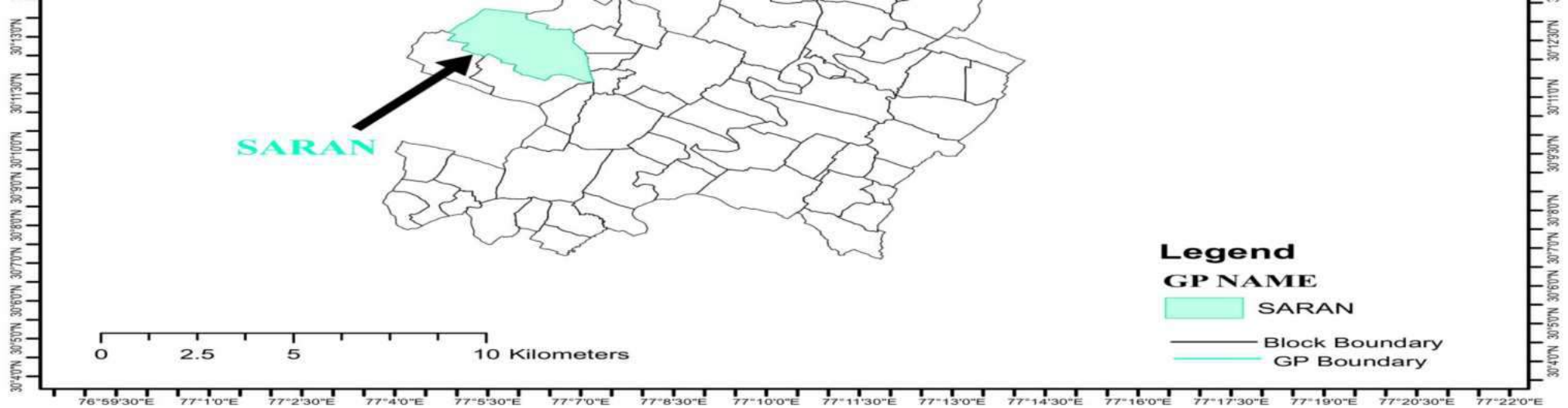
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Saran_33472
GP ID :	33472	Block Area (Ha) :	20267.2000
GP area (Ha) :	868.0000	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

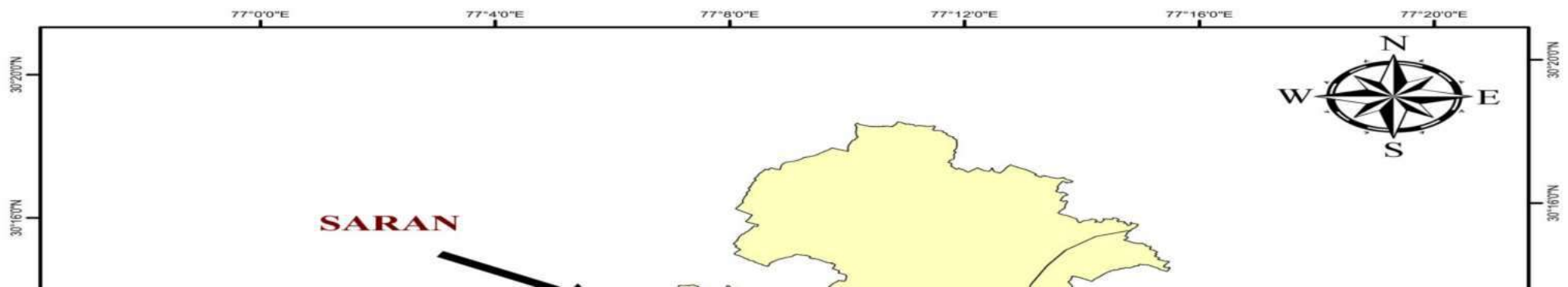
Location Map : GP Saran, Block Saraswati Nagar, District Yamunanagar

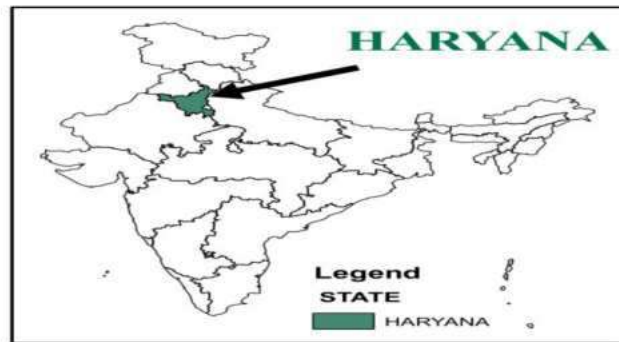
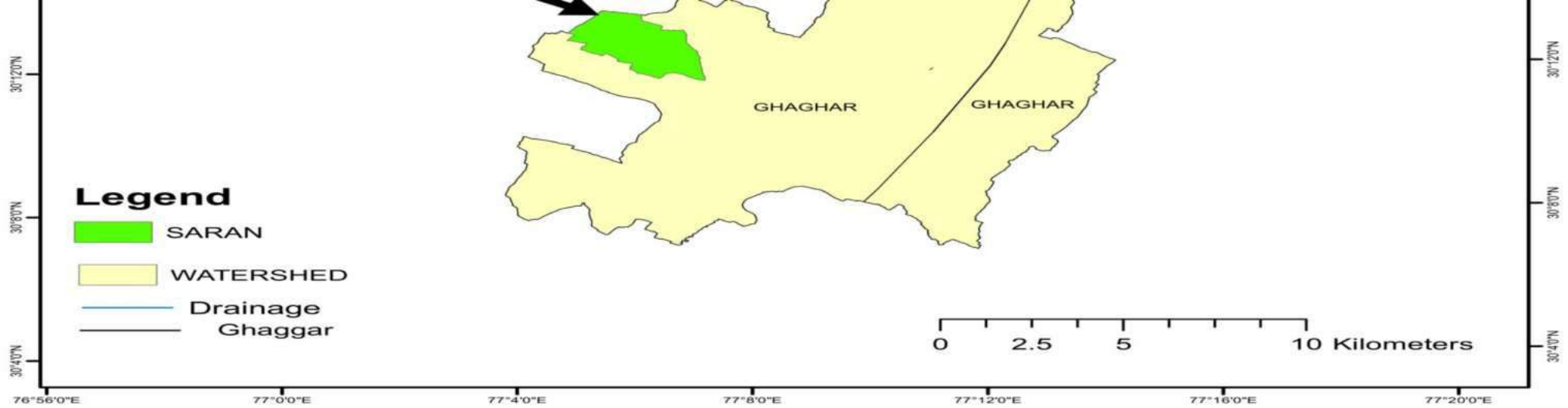




Watershed Map

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





Aquifer Map

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

Fatehpur

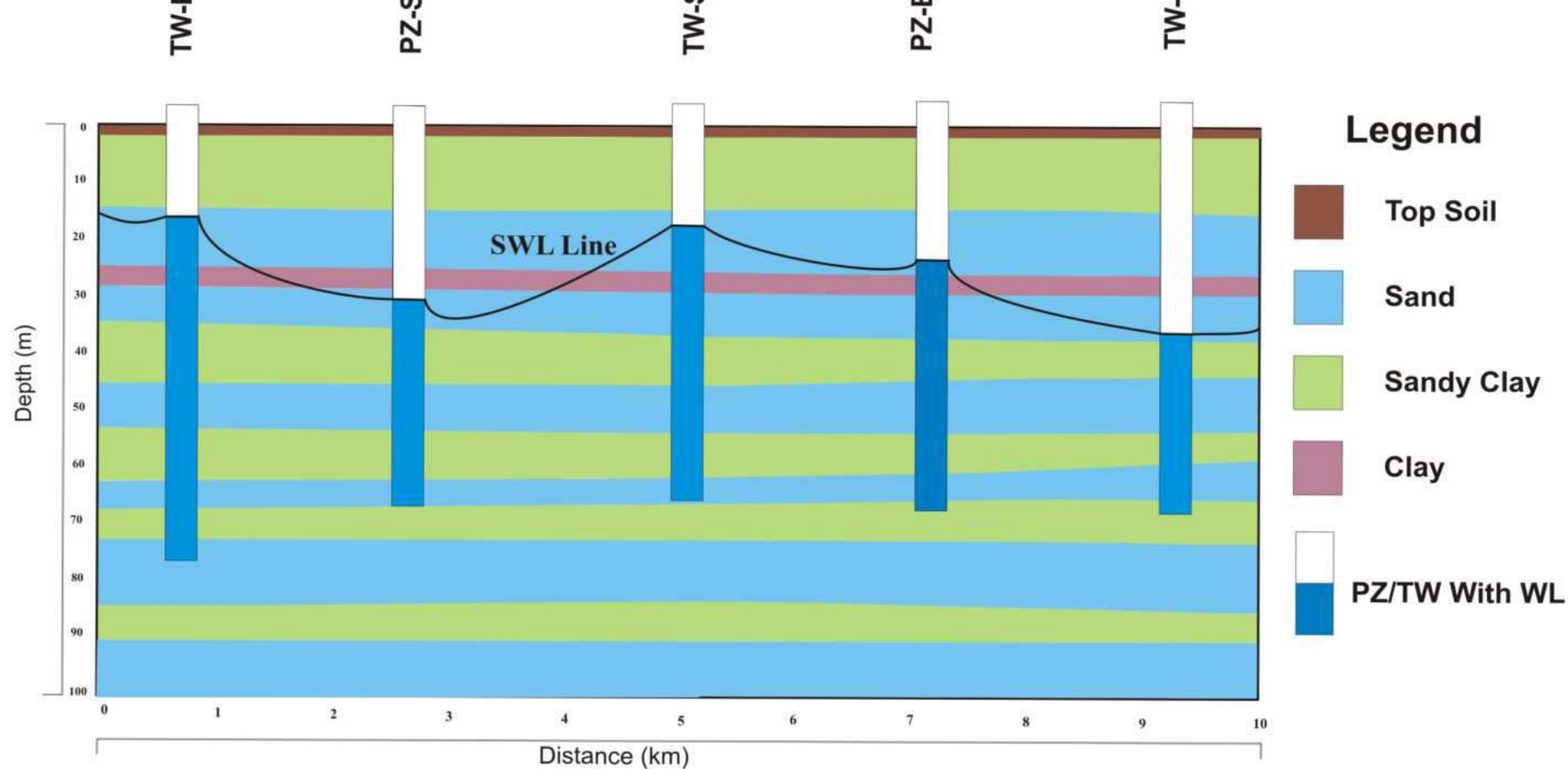
Sultanpur

Saran

Bhagwanpur

Saraswati Nagar





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	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	15.77	2024-02-16
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	15.80	2024-01-15
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	15.88	2023-12-02
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	15.55	2023-10-29
	Saran	Barara	30.20832	77.10094	2023-05-22	033472-001	Tube		Private		0.20	25.91	0.35	15.60	2023-0

		Road					Well								9-30
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	15.1	2023-08-30
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	15.3	2023-07-30
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	16.2	2023-06-28
	Saran	Barara Road	30.20832	77.10094	2023-05-22	033472-001	Tube Well		Private		0.20	25.91	0.35	16.4	2023-05-22
2	Saran	Ambedkar bhawan	30.21234	77.09509	2023-10-27	033472-002	Dug-Cum-Bore well		Private		0.1000	70.00	0.15	39.89	2024-02-16
	Saran	Ambedkar bhawan	30.21234	77.09509	2023-10-27	033472-002	Dug-Cum-Bore well		Private		0.1000	70.00	0.15	39.93	2024-01-15
	Saran	Ambedkar bhawan	30.21234	77.09509	2023-10-27	033472-002	Dug-Cum-Bore well		Private		0.1000	70.00	0.15	40.70	2023-12-24
	Saran	Ambedkar bhawan	30.21234	77.09509	2023-10-27	033472-002	Dug-Cum-Bore well		Private		0.1000	70.00	0.15	41.75	2023-11-29
	Saran	Ambedkar bhawan	30.21234	77.09509	2023-10-27	033472-002	Dug-Cum-Bore well		Private		0.1000	70.00	0.15	41.80	2023-10-27

Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Saran	Saran	30.205828	77.107033	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Saran _001
2	Saran	Saran	30.211168	77.098923	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Saran _002

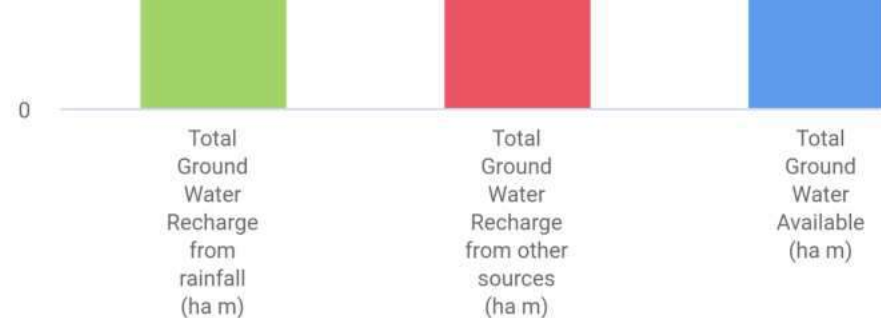
S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC (µS/cm)	TDS (mg/L)	TH (mg/L)	Ca (mg/L)	Mg (mg/L)	Na (mg/L)	K (mg/L)	Carbo nate (mg/L)	Bicar bonate (mg/L)	Sulph ate (mg/L)	Chlor ide (mg/L)	Fluo ride (mg/L)	Nitr ate (mg/L)
1	ABY_YMR_S NAGAR_ Saran _001	76	UNCONFINED	7.4	833	508	208	40	26.2	28.5	1.4	0	306	28	99	0.58	8.5
2	ABY_YMR_S NAGAR_ Saran _002	70	UNCONFINED	7.2	796	485	176	36	20.9	33	0.9	0	278	35	58	0.66	7.55

Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	1550.0223
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	390.3830
e.	Estimated Water Available From Rainfall (ha m)	1159.6393
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	347.8918
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	129.1293
(ii)	Non-Monsoon	31.9204
	Total Ground Water Recharge from rainfall (ha m)	161.0497
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	119.7162
(ii)	Non-Monsoon	87.0934
	Total Ground Water Recharge from other sources (ha m)	206.8096
c.	Losses Due to Natural Discharge (ha m)	36.7861
	Total Ground Water Available (ha m)	331.0732
d.	Ground Water Withdrawal (ha m)	667.5786
3.	Surface Water	

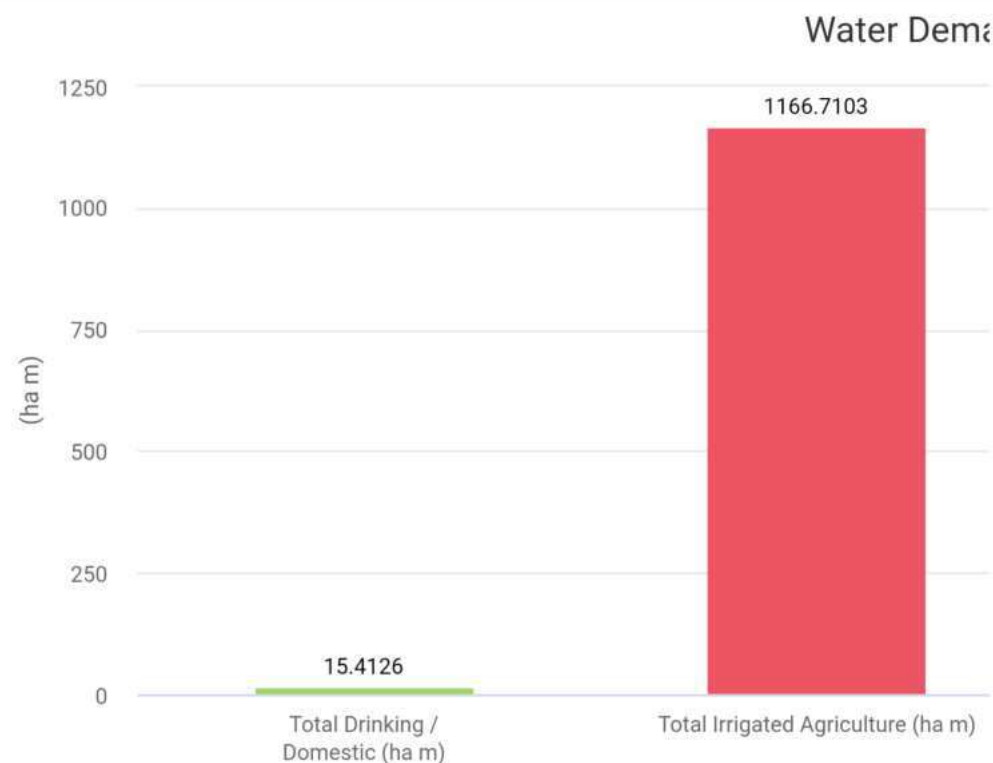


a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structure	No. of Structures	Storage Capacity (ha m)
Ponds	4	10.3
	Total Storage Capacity of the surface water bodies (ha m)	10.3000
(ii)	Losses if Any (%)	
		10.0000
(iii)	Surface Water Available in Storages (ha m)	
		9.2700
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	9.2700
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	340.3432



Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.5843
ii)	From Ground Water	14.8283
	Total Drinking /Domestic (ha m)	15.4126
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	8.1670
ii)	From Ground Water	1158.5433
	Total Irrigated Agriculture (ha m)	1166.7103
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		
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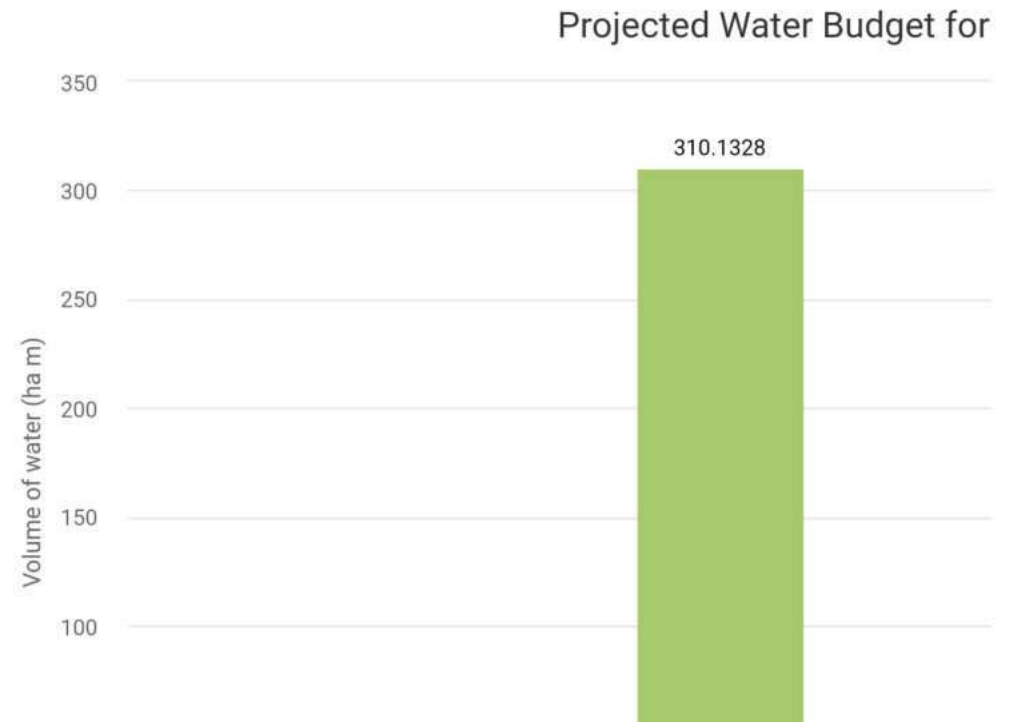
Water Balanc

A	Water Availability (ha m)	
i)	Total Ground Water Available	331.0732
ii)	Total Surface Water Available	9.2700
	Total Water Availability (ha m)	340.3432
B	Water Demand (ha m)	
i)	Total Surface Water Demand	8.7513
ii)	Total Ground Water Demand	1173.3716
	Total Water Demand	1182.1229
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-842.2984
ii)	Total Surface Water Balance	0.5187
	Total Water Balance	-841.7797

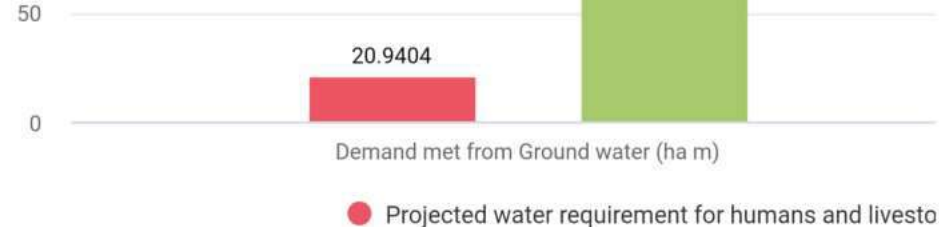


Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	4765.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	6576.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	13.2013
II	Livestock	
i)	Present livestock population	1334.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	1767.0000
v)	Average per capita requirement (L)	119.9940
vi)	Projected water requirement for livestock (as in 2050) (ha m)	7.7391
B	Projected water requirement for humans and livestock (ha m) (as in 2050)	
	Total Projected water requirement for humans and livestock (as in 2050)	20.9404



Total Projected water requirement for humans and livestock (as in 2050) (ha m)	20.9404
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)	20.9404
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	310.1328
ii) Surface water	9.2700
iii) Total water available for future irrigation	319.4028



Demand Side

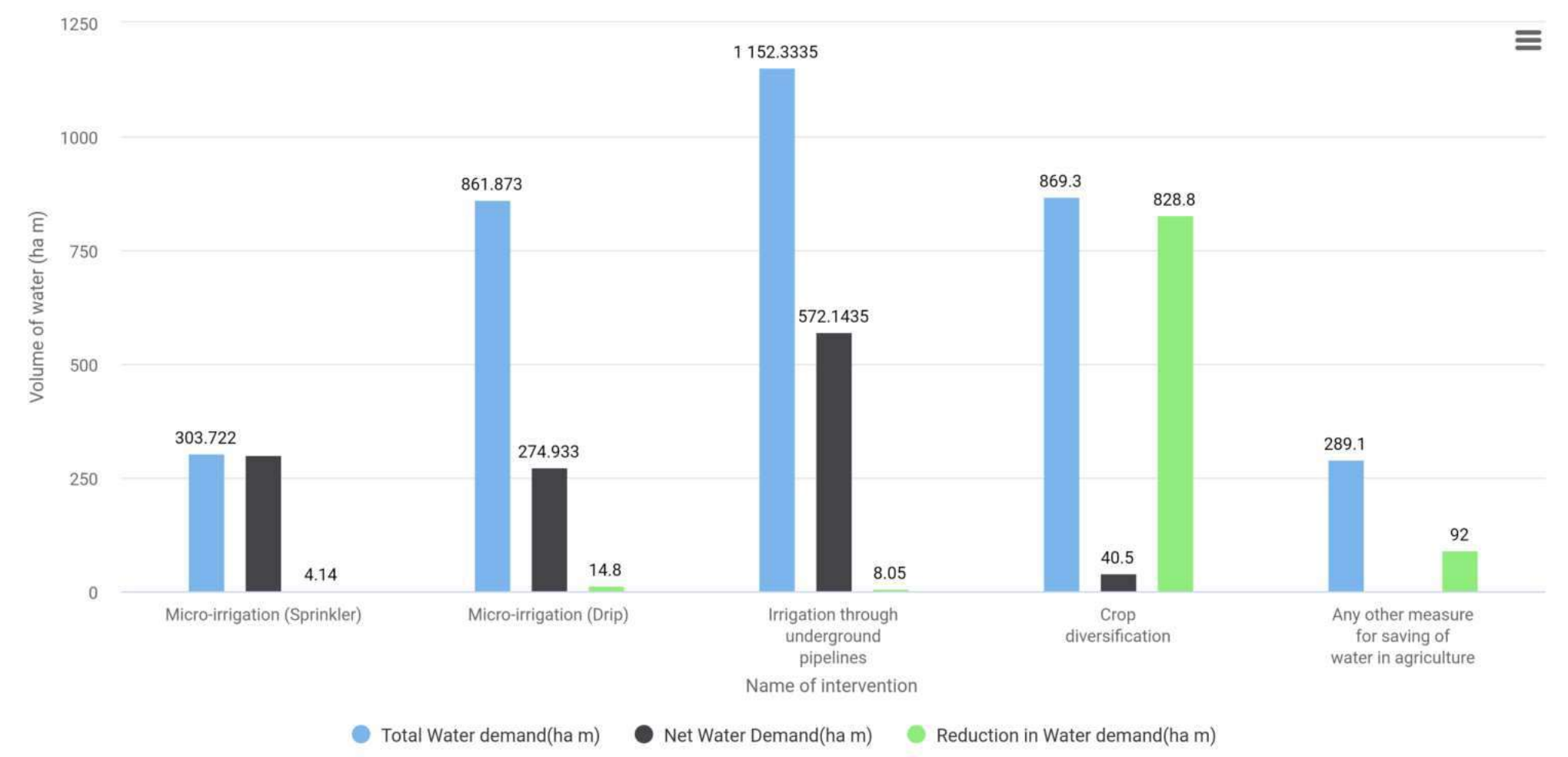
Total Area under Conventional Irrigation (ha) : 1218.06

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	25.0000	303.7220	299.5820	4.1400	28.0000
2	Drip	25.0000	861.8730	274.9330	14.8000	38.2500
3	Pipelines	35.0000	1152.3335	572.1435	8.0500	8.7500
4	Crop Diversification	80	869.3000	40.5000	828.8000	13.8400
5	Other Measures	323.0000	289.1000	--	92.0000	17.8220
	Total	488.0000	3476.3285	1187.1585	947.7900	106.6620

Funding Source

Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	25	2024-25	MICADA	PMKSY(Per Drop More Crop)	28
2	Drip	25	2024-25	MICADA	PMKSY(Per Drop More Crop)	38.25
3	UG Pipelines	35	2024-25	Agriculture & Farmer Welfare Department	Other	8.75
4	Crop Diversification	20	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.46
5	Crop Diversification	60	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	10.38
6	Other Measures	11	2024-25	Department of Horticulture	Other	1.76
7	Other Measures	126	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	4.662
8	Other Measures	96	2024-25	Agriculture & Farmer Welfare	Scheme for Management of Crop	2.4

				Department	Residue	
9	Other Measures	90	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	9
	Total	488				106.6620



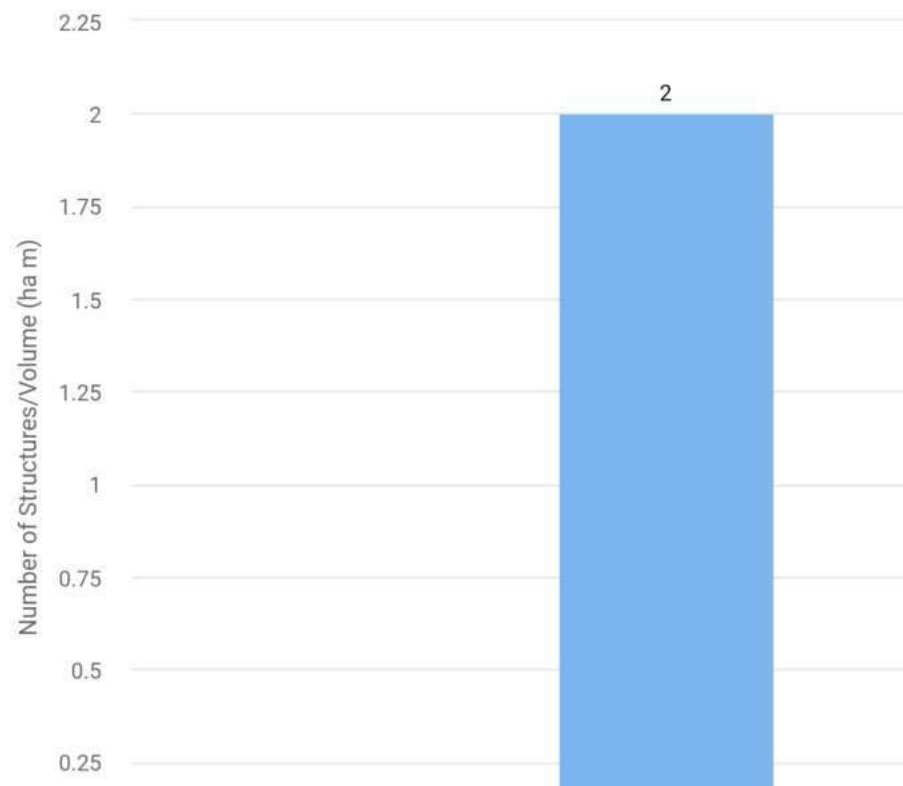
Supply Side

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	Saran (449)	30.2121	77.105	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	Injection Wells/	0.0023	0.006900	Saran	30.2079	77.1029	2024-25	Irrigation & Water	Departmental	2.4

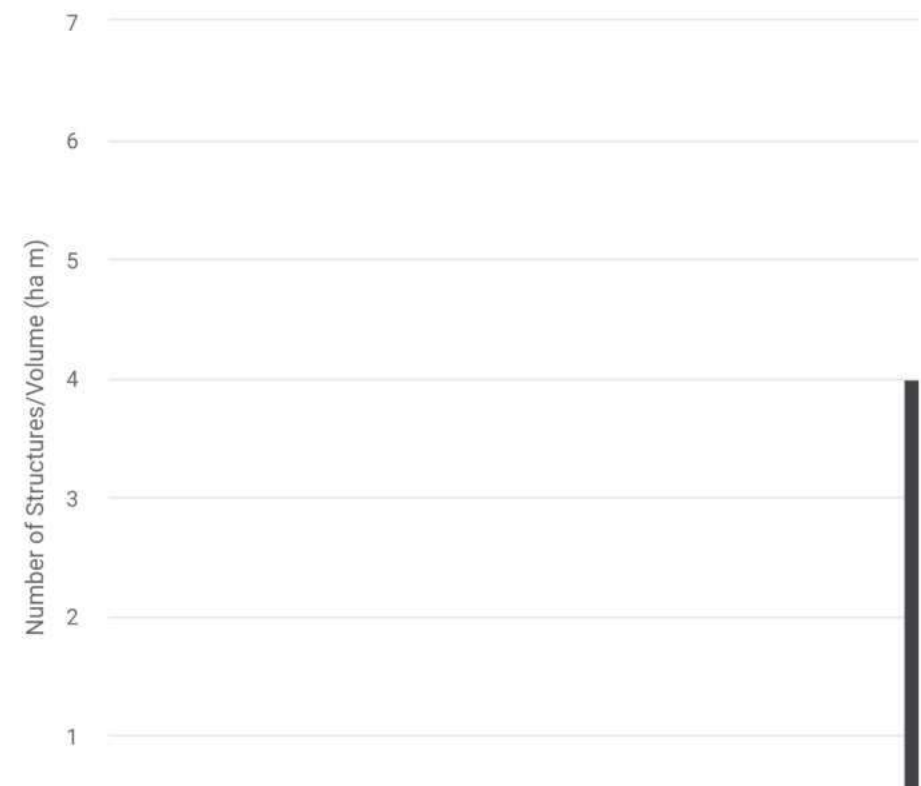
Recharge Wells(New)			(449)				Resource Development	Scheme	
Total	0.0041	0.0096							3.0200

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	Saran (449)	30.2116	77.1046	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
2	Pond/Amrit Sarovar(Renovation)	5.9	3.54	Saran (449)	30.209839	77.100825	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	136.25
3	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Saran (449)	30.209527	77.106232	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	50.23
4	Pond/Amrit Sarovar(Renovation)	2.9	1.74	Saran (449)	30.209384	77.108727	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	70.27
Total		10.2800	6.1680							267.0200

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



● No. of Structures Proposed (New) ● No. of Structures

● No. of Structures Proposed (New) ● No. of Structures

PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	POONAM	MEMBER	Female	9588761923
2	GURDEEP SINGH	MEMBER	Male	9034858923
3	SARWAN	MEMBER	Male	9050035852
4	MADHU BALA	CHAIRPERSON	Female	8950820932
5	CHAYA	MEMBER	Female	9729447339
6	SANDHYA	MEMBER	Female	7015840172
7	VIPIN KUMAR	MEMBER	Male	8950820932
8	GURPREET SINGH	JE PHED	Male	9053779442
9	KARMO DEVI	MEMBER	Female	9354853707
10	REKHA RANI	MEMBER	Female	8168984518
11	BRIJPAL	MEBER	Male	9813242988
12	SMT KSRSBAI DAS	MEMBER	Female	9812117521
13	REKHA RANI	MEMBER	Female	9992838228
14	PRINCE	MEMBER	Male	9466870993
15	RAHUL	JE	Male	8950718884
16	SUNDER SINGH	GRAM SACHIV	Male	7988381450

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	Saran_33472	2024-02-19	Saran_33472	Saran (449)	aanganwari kendra	16	9	0	25

Photograph



GPS Map Camera

Saran, Haryana, India

6463+R8G, Saran, Ganganpur, Haryana 133202, India

Lat 30.212719°

The Google logo is displayed in its characteristic multi-colored font.

Long 77.10303°

19/02/24 11:46 AM 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 Sauya 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


IEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR


Executive Engineer
HKB Division No. 1
Jagadhri

Farveen Kumar
G.W.E DPMU

Minutes of Meeting

Village Name: Saraswati

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Anganwadi

Lat. No. 30.212719

Long No. 77.10302

Date: 19/02/2024

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

अटल भूजल योजना

के तहत आज दिनांक 19/02/2024 को ग्राम पंचायत सारन में सरपंच श्री श्रीमति भव्यु आला की अध्यक्षता में जल सुरक्षा योजना की बैठक की गई तथा बैठक में ग्रामीण, किसान व अटल भूजल योजना के निरीक्षण उपस्थित रहे। बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई:-

- ग्राम पंचायत में जोड़ का पुनर्निर्माण किया जाए।
- ग्राम पंचायत के स्कूल या धर्मशाला में शौचालय या RASHAS बनवाए जाए।
- सिंचाई के लिए भूमिगत पाइपलाइन की व्यवस्था की जाए।
- कसल अवशेष प्रबंधन की व्यवस्था की जाए।
- किसानों के खेतों में ट्रिप व कट्वाय सिंचि से सिंचाई की व्यवस्था की जाए।

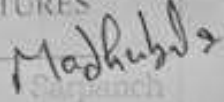
उपरोक्त सभी बिंदुओं की चर्चा विस्तार से जल सुरक्षा योजना की बैठक में की गई तथा बैठक में उपस्थित सभी सहभागियों की सहमति से जल सुरक्षा योजना पारित की गई।

ANNEXURE III

RESOLUTION

Date: 19-02-2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat SARAN
Block/Taluk/Mandal SARAN 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 19/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	MADHU SALIA	 Sarpanch Gram Panchayat, Saran Block, Saran Nagar (NR)
2	Gram Panchayat Secretary	SH. SUNDER SINGH	

ATTENDANCE SHEET

Gram Panchayat

Saran

Meeting :

Gusur Kumbhas Mandi 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 Raw	F	SC	Teacher	No	-	7119296454	Pooja
2.	Sandya	F	B.C	VIF	Yes	V.V.S.C	7015840712	Sandya
3.	Neelima Ganes	M	B.C	Farmer	No	-	9896404089	Neelima
4.	Ujjain	M	SC	Farmer	Yes	V.V.S.C	8950820932	Ujjain
5.	Sargam Singh	M	General	Farmer	-	-	9677973609	Sargam
6.	Maddhala	F	SC	Student	Yes	V.V.S.C	8396093152	Maddhala
7.	Lalit	M	General	Farmer	-	-	9650988608	Lalit
8.	Pooja Raw	F	SC	Housewife	-	-	9817711481	Pooja
9.	Uma	F	B.C	Student	-	-	7021981911	Uma
10.	Kuldeep	M	General	Farmer	-	-	9818991327	Kuldeep
11.	Madhu Kaur	F	General	Housewife	-	-	8396093152	Madhu
12.	Sarod Singh	M	General	Farmer	-	-	8396093152	Sarod
13.	Anil	M	General	Farmer	-	-	9671462193	Anil
14.	Deepchand	M	General	Farmer	-	-	9461729053	Deepchand
15.	Kasab Kaur	M	General	Farmer	-	-	9728090432	Kasab
16.	Pankaj	M	General	Farmer	Yes	V.V.S.C	9053508950	Pankaj
17.	Pooja	F	General	Housewife	Yes	V.V.S.C	9588761123	Pooja

Gram Panchayat:- Sazan

Casey Paulas Mandil
BLD

BLOCH

Saraswati Nagar

DISTRICT:- Yamuna Nagar

Sr No	Name	Gender M/F	Category (01/2/3/4)	Occupation	Are you a member of any committee (Yes/No)	If yes name of the committee	Phone No.	Signature
18	Hertha Pawi	F	B.C	And	yes	v.w.s.c	999283828	Hertha
19	Sandeep Singh	M	B.C	farmer	yes	v.w.s.c	9053695980	right
20	Chandrasingh	M	B.C	farmer	yes	v.w.s.c	9084858923	Chandrasingh
21	Saewan	M	B.C	farmer	yes	v.w.s.c	9050035852	Saewan
22	beetpal	M	B.C	farmer	yes	v.w.s.c	9913242988	beetpal
23	Prince	M	B.C	farmer	yes	v.w.s.c	9913445675	Prince
24	Kopis	M	General	farmer	yes	v.w.s.c	9466870993	Kopis