

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:25 PM User Name : Dr. Prabhat

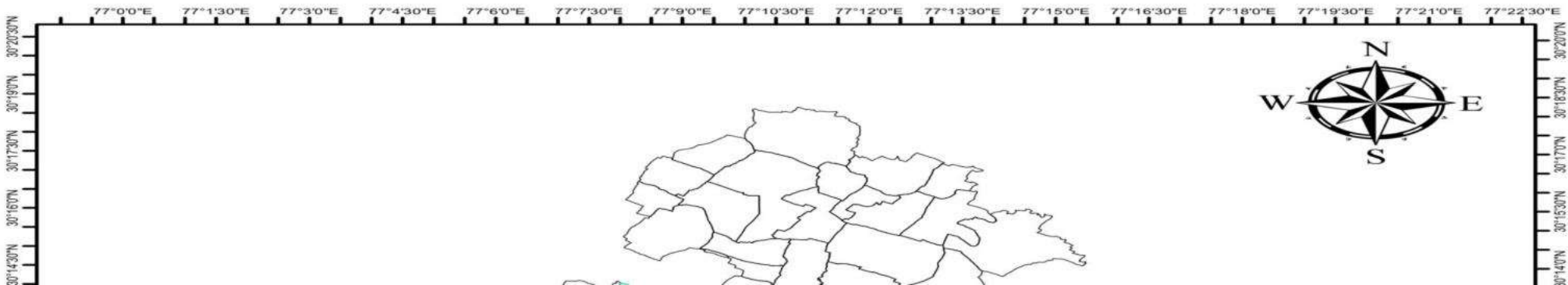
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: SULTANPUR_33475 » YEAR: 2024-25 »

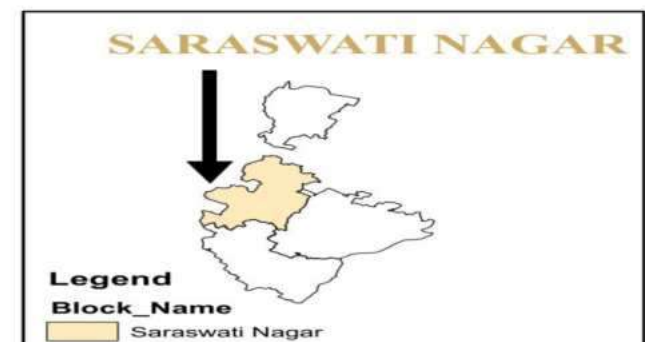
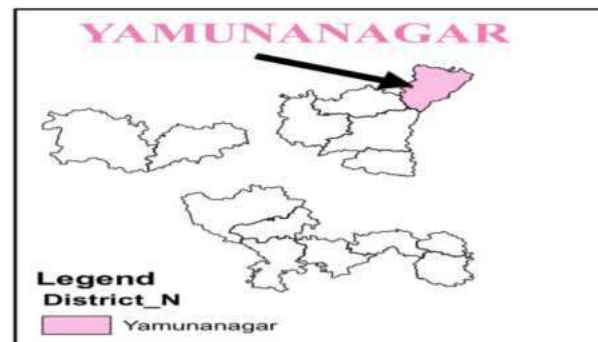
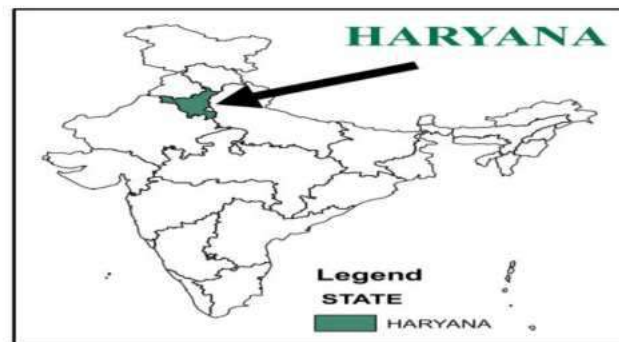
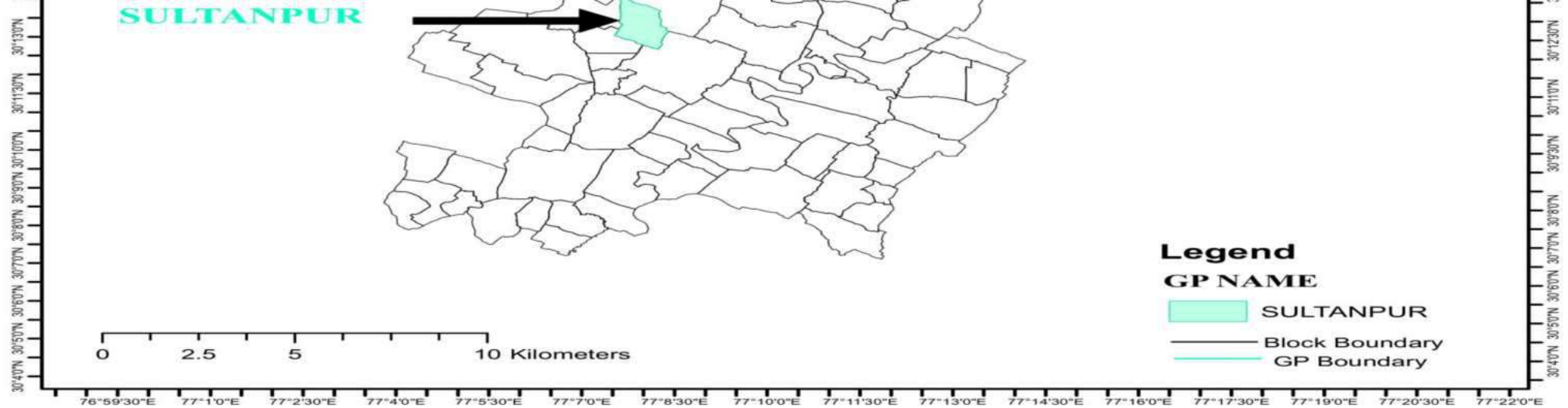
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Sultanpur_33475
GP ID :	33475	Block Area (Ha) :	20267.2000
GP area (Ha) :	220.0000	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

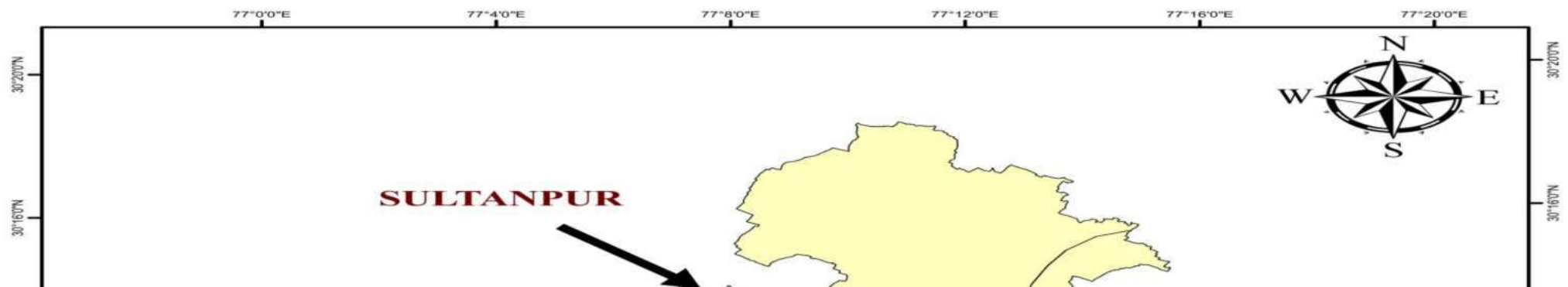
Location Map : GP Sultanpur, Block Saraswati Nagar, District Yamunanagar

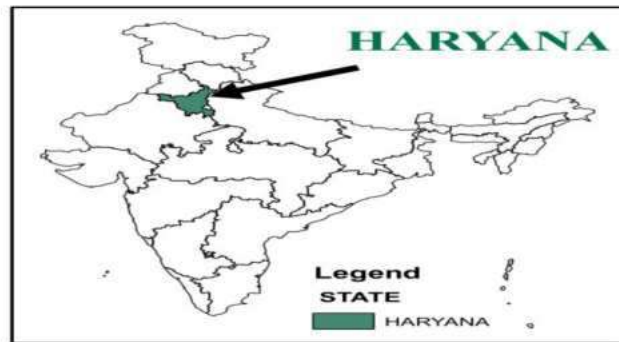
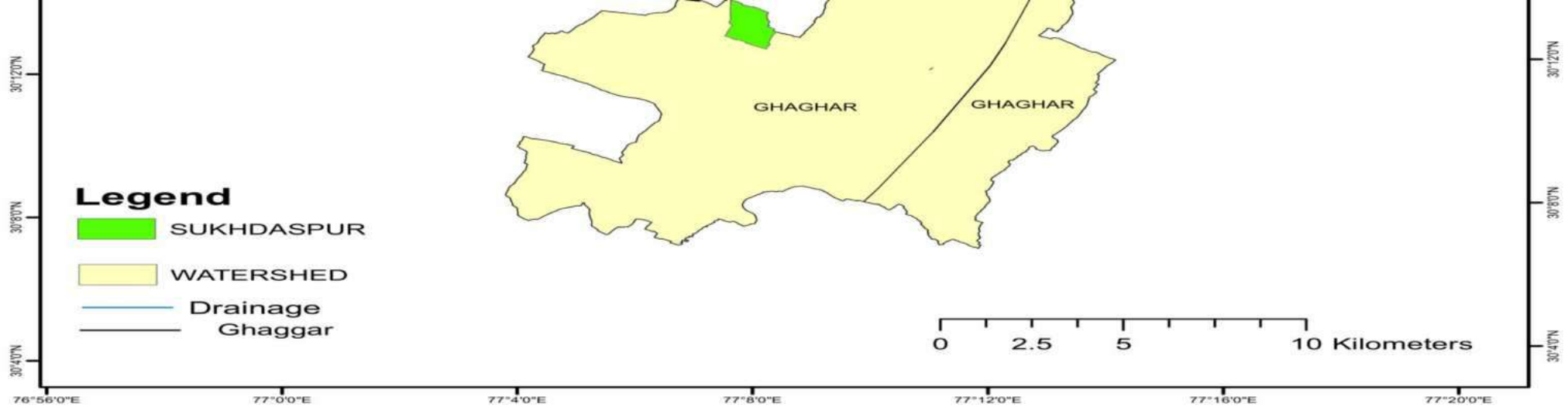




Watershed Map

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





Aquifer Map

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

Fatehpur

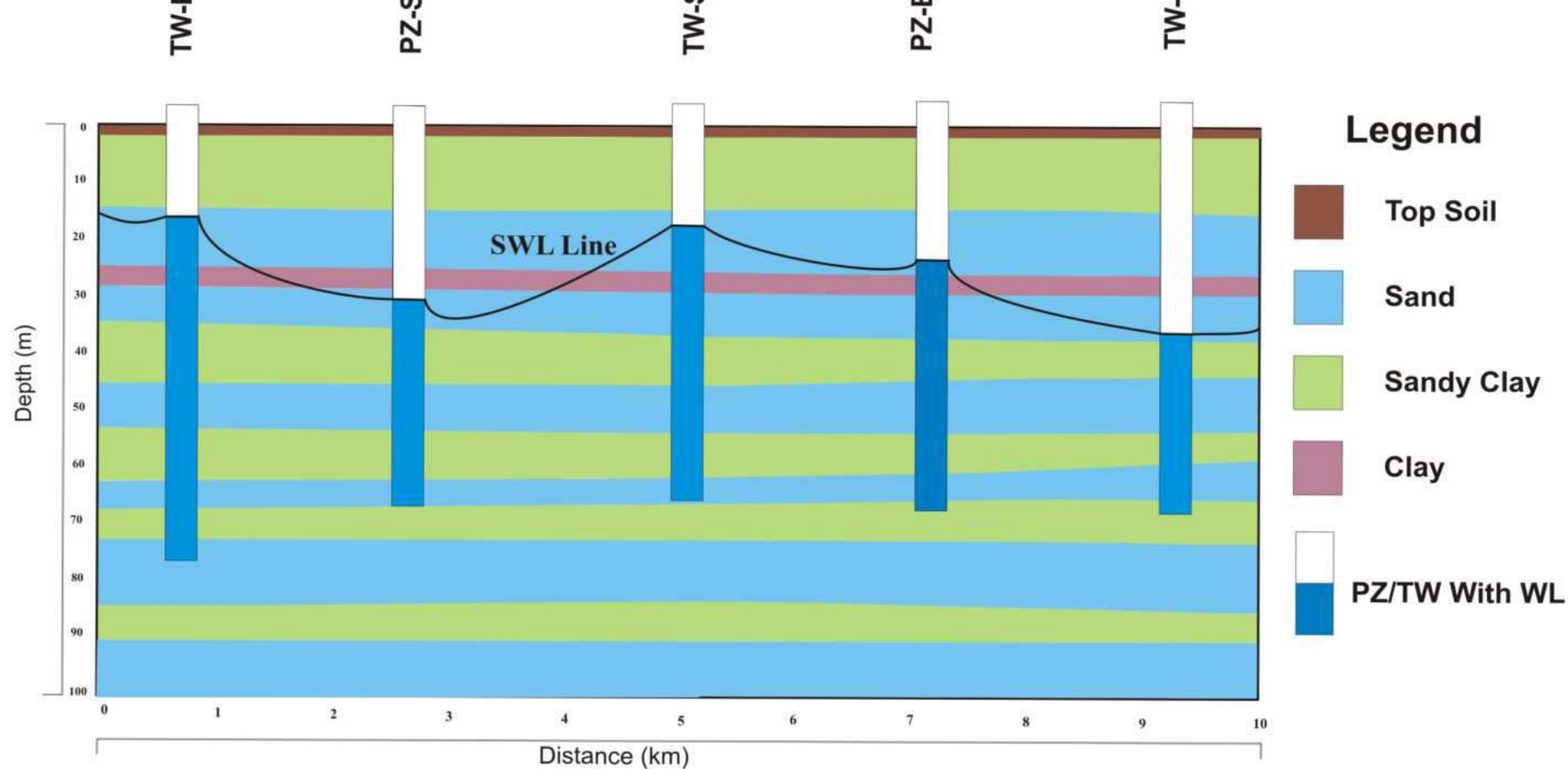
Sultanpur

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	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	26.00	2024-02-16
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	26.07	2024-01-17
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	27.30	2023-12-24
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	28.20	2023-11-30
	Sultanpur	Shiv	30.22155	77.13095	2023-05-22	033475-001	Tube		Private		0.25	85.37	0.10	28.78	2023-1

		mandir					Well								0-27
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	28.80	2023-09-29
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	28.03	2023-08-31
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	28.59	2023-07-31
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	29.2	2023-06-29
	Sultanpur	Shiv mandir	30.22155	77.13095	2023-05-22	033475-001	Tube Well		Private		0.25	85.37	0.10	27.7	2023-05-22

Ground Water Quality

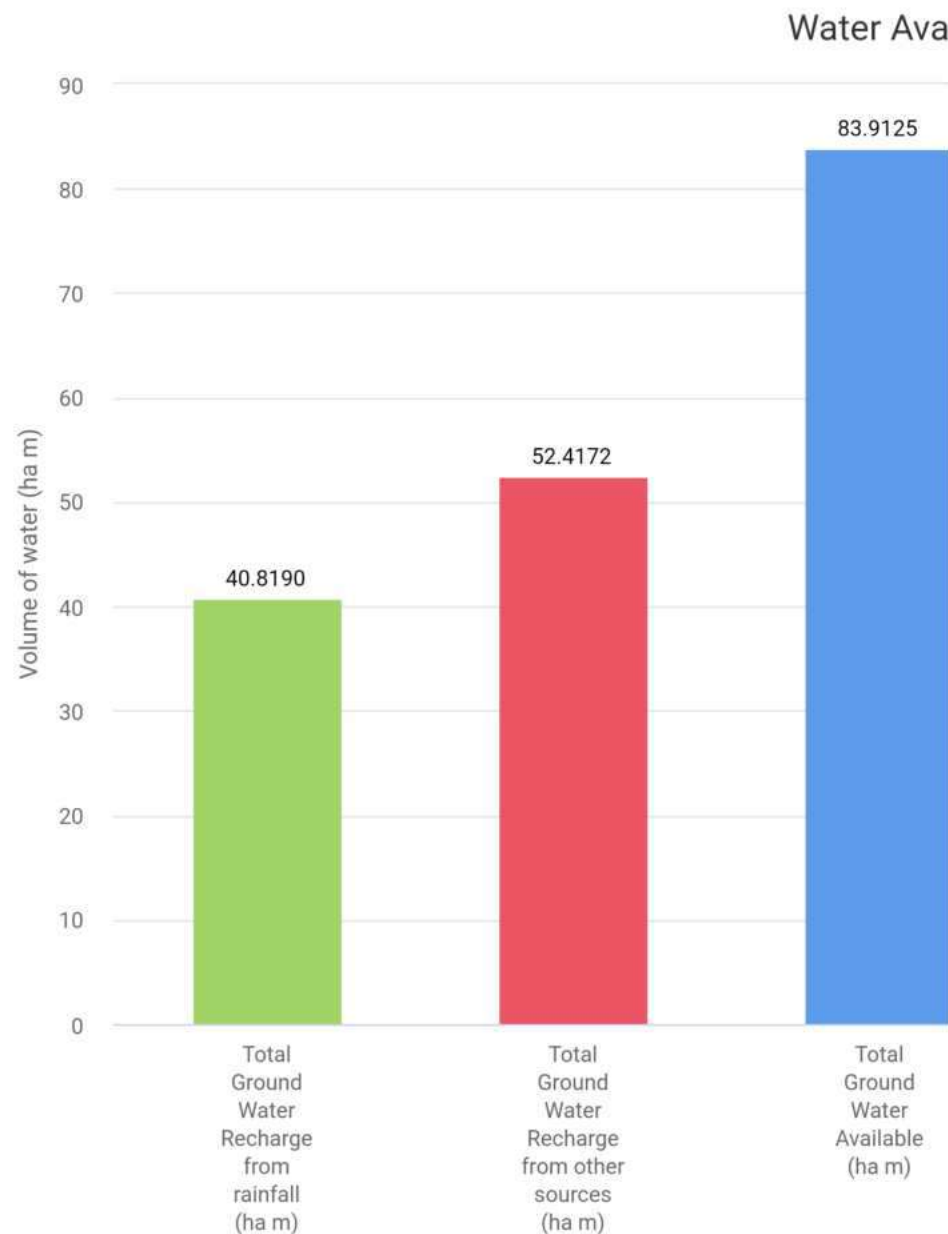
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
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	Name																	
1	Bhagwanpur	Bhagwanpur	30.21632	77.130203	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Bhagwanpur _001										

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)
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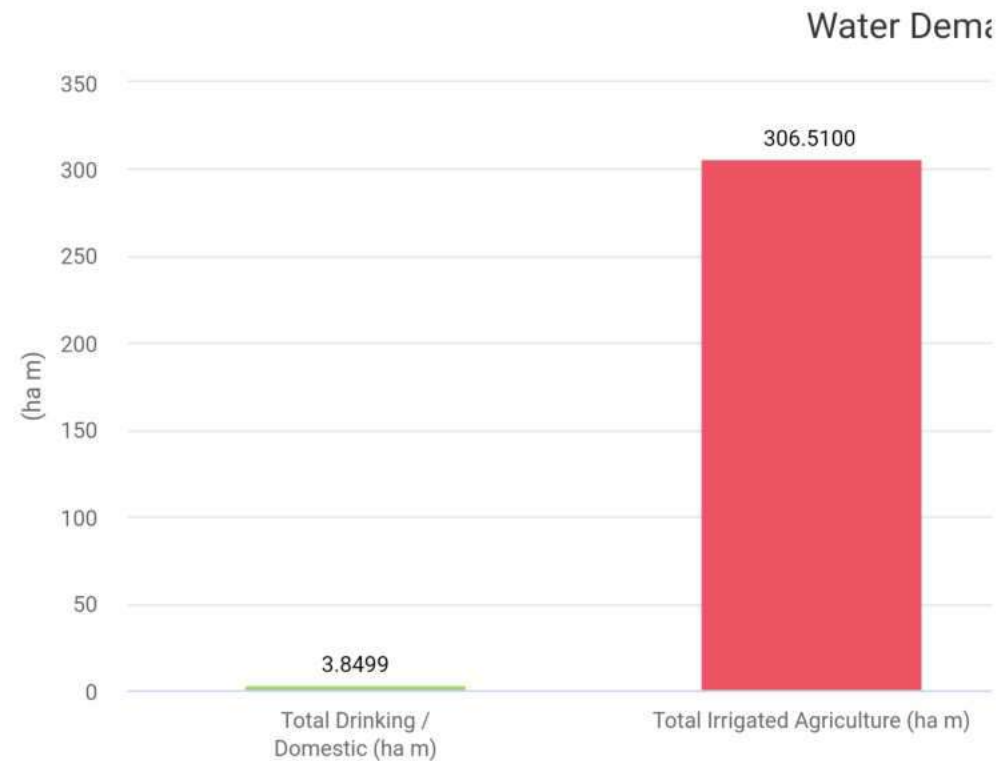
1	ABY_YMR_S NAGAR_ Bhagwanpur _001	85	UNCONFINED	7.7	745	447	121	28.8	11.9	55.3	0.6	0	220.7	48	83	0.86	4.95
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Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	392.8628
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	98.9450
e.	Estimated Water Available From Rainfall (ha m)	293.9178
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	88.1753
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	32.7286
(ii)	Non-Monsoon	8.0904
	Total Ground Water Recharge from rainfall (ha m)	40.8190
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	30.3428
(ii)	Non-Monsoon	22.0744
	Total Ground Water Recharge from other sources (ha m)	52.4172
c.	Losses Due to Natural Discharge (ha m)	9.3237
	Total Ground Water Available (ha m)	83.9125
d.	Ground Water Withdrawal (ha m)	169.2020
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	1	0.47
	Total Storage Capacity of the surface water bodies (ha m)	0.4700
(ii)	Losses if Any (%)	
(iii)	Surface Water Available in Storages (ha m)	
	0.4700	
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	
	0.4700	
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	
	84.3825	



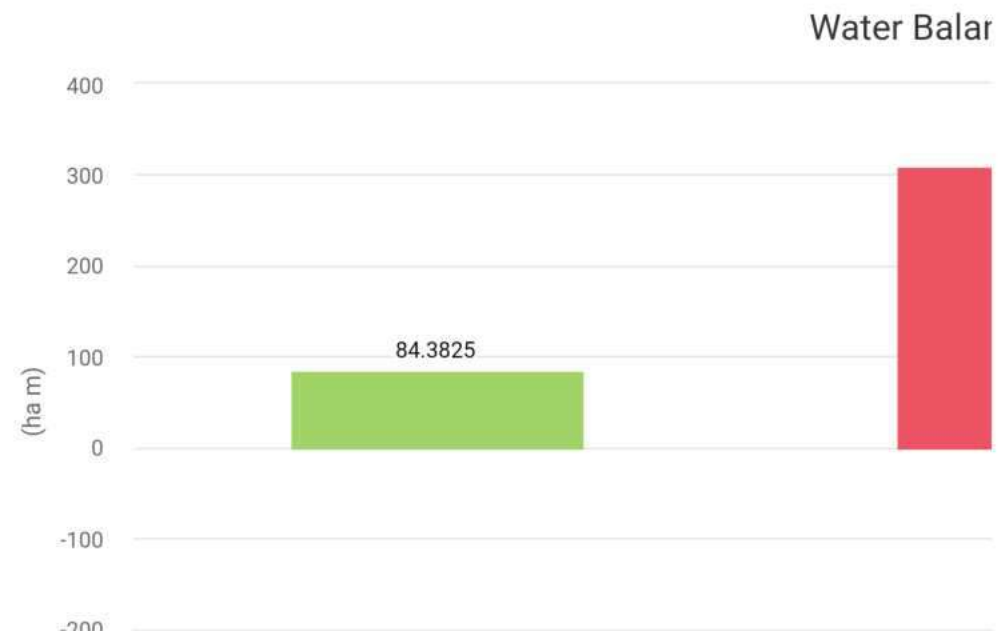
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1610
ii)	From Ground Water	3.6889
	Total Drinking /Domestic (ha m)	3.8499
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	306.5100
	Total Irrigated Agriculture (ha m)	306.5100
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



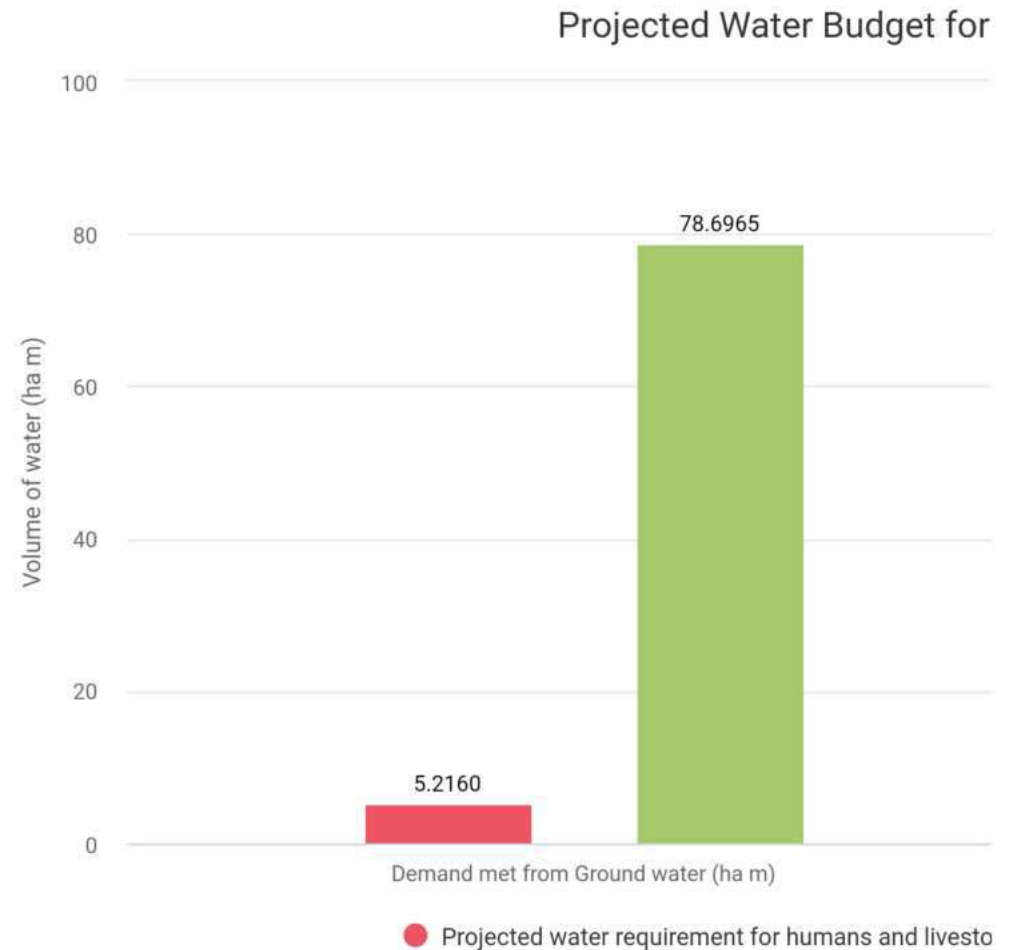
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	83.9125
ii)	Total Surface Water Available	0.4700
	Total Water Availability (ha m)	84.3825
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1610
ii)	Total Ground Water Demand	310.1989
	Total Water Demand	310.3599
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-226.2864
ii)	Total Surface Water Balance	0.3090
	Total Water Balance	-225.9774



Water Budget Report

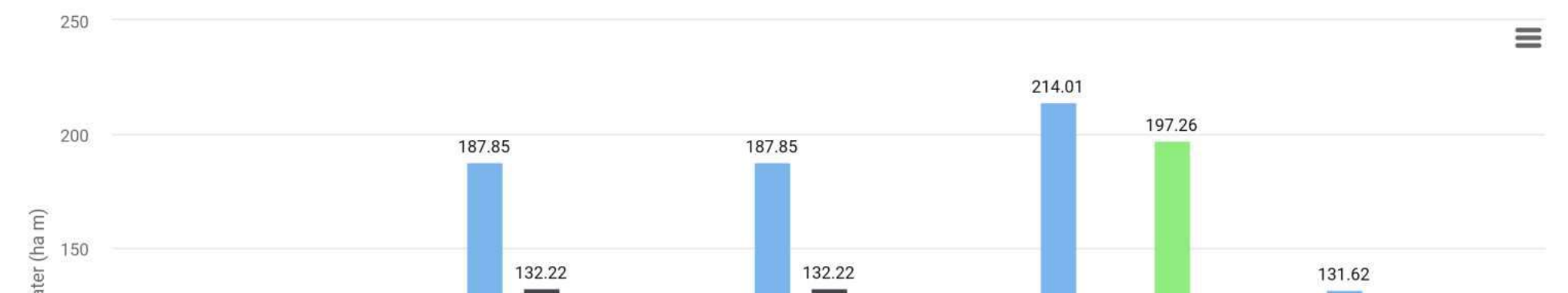
A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	1114.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	1537.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	3.0855
II	Livestock	
i)	Present livestock population	334.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	442.0000
v)	Average per capita requirement (L)	132.0569
vi)	Projected water requirement for livestock (as in 2050) (ha m)	2.1305
B	Projected water requirement for humans and livestock (as in 2050)	
	Total Projected water requirement for humans and livestock (as in 2050) (ha m)	5.2160
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)	5.2160
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	78.6965
ii)	Surface water	0.4700
iii)	Total water available for future irrigation	79.1665

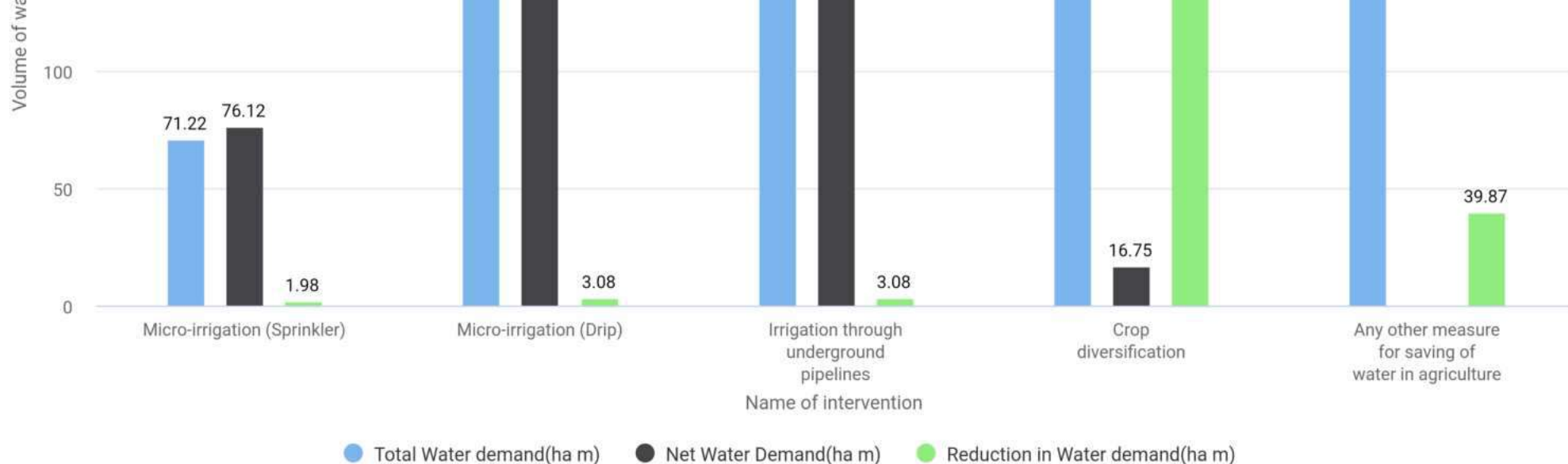


Demand Side

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	12.0000	71.2200	76.1200	1.9800	13.4400
2	Drip	14.0000	187.8500	132.2200	3.0800	21.4200
3	Pipelines	14.0000	187.8500	132.2200	3.0800	3.5000
4	Crop Diversification	33	214.0100	16.7500	197.2600	5.7000
5	Other Measures	143.0000	131.6200	--	39.8700	10.3220
	Total	216.0000	792.5500	357.3100	245.2700	54.3820

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	56	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	2.072
2	Sprinkler	12	2024-25	MICADA	PMKSY(Per Drop More Crop)	13.44
3	Drip	14	2024-25	MICADA	PMKSY(Per Drop More Crop)	21.42
4	UG Pipelines	14	2024-25	Agriculture & Farmer Welfare Department	Other	3.5
5	Crop Diversification	8	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	1.38
6	Crop Diversification	25	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	4.32
7	Other Measures	3	2024-25	Department of Horticulture	Other	3
8	Other Measures	42	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	4.2
9	Other Measures	42	2024-25	Rural Development Department (ZP / GP)	Scheme for Management of Crop Residue	1.05
	Total	216				54.3820





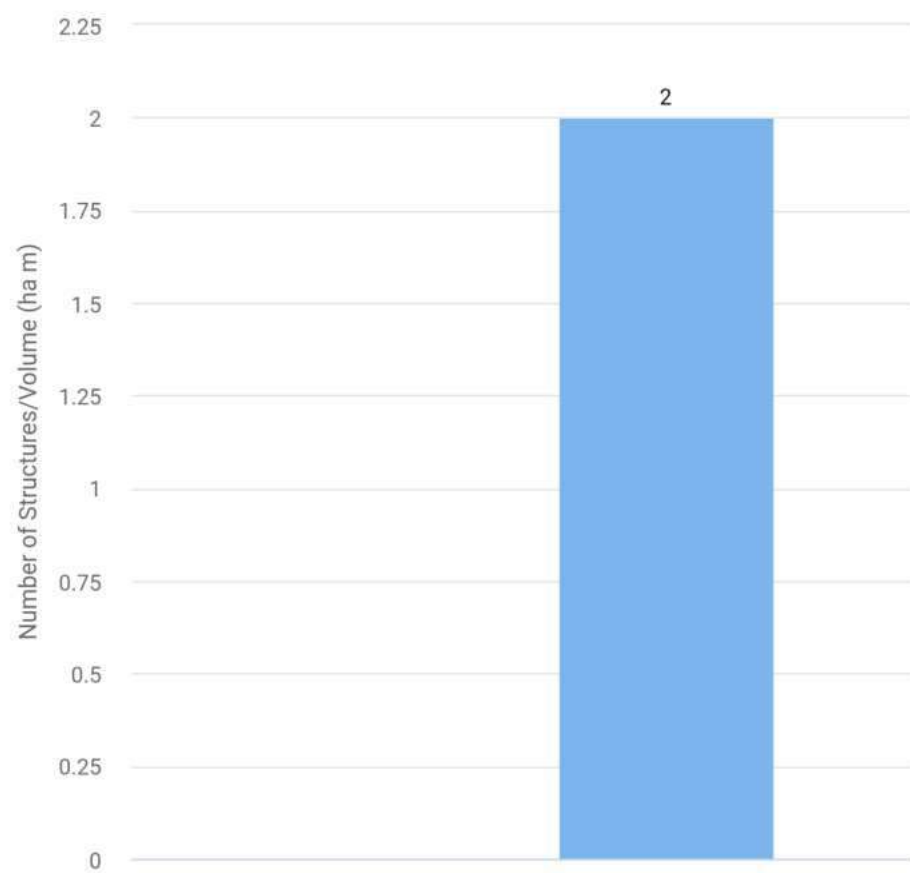
Supply Side

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	roof top rain water harvesting system (New)	0.00616	0.0184800	Sultanpur (445)	30.2214	77.1359	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4.5
2	Injection Wells/ Recharge Wells(New)	0.0023	0.006900	Sultanpur (445)	30.2236	77.1361	2024-25	Department of Education	CSR	2.4
	Total	0.0085	0.0254							6.9000

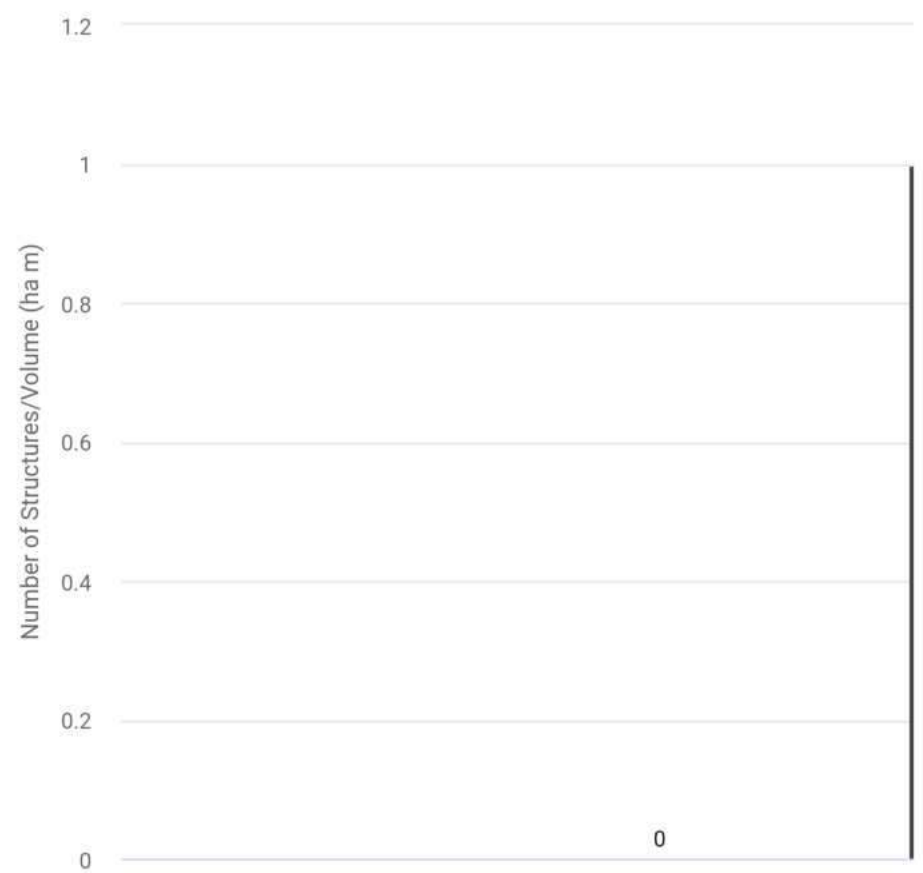
Supply Side (Water Conservation Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Pond/Amrit Sarovar(Renovation)	0.47	0.282	Sultanpur (445)	30.2225	77.1342	2024-25	Rural Department and Panchayati Raj	MGNREGA	6.57
	Total	0.4700	0.2820							6.5700

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	PARVEEN KUMAR	MEMBER	Male	9728408432
2	INDERJEET SINGH	MEMBER	Male	9671260548
3	RAM GOPAL	MEMBER	Male	9350362827
4	KAMAL BAKSHI	JE PHED	Male	8761913142
5	TARAN KUMARI	CHAIRPERSON	Female	8708726427
6	GURBINDER KAUR	MEMBER	Female	9996885738
7	AMAR SINGH	MEMBER	Male	8059832947
8	REENA RANI	MEMBER	Female	8930713413

9	SUMAN	MEMBER	Female	8168986713
10	SANDEEP	MEMBER	Male	9466834813
11	DIKSHA DEVI	MEMBER	Female	9050149051
12	SONIA	MEMBER	Female	9813352085
13	SOMNATH	MEMBER	Male	8278143009
14	RIMPI	MEMBER	Female	9812739183
15	RAJ KUMAR	JE	Male	9729203036
16	SHARWAN KUMAR	GRAM SACHIV	Male	9034502023

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	Sultanpur_33475	2024-02-21	Sultanpur_33475	Sultanpur (445)	Aanganwadi	13	12	0	25

Photograph





GPS Map Camera



Google

Sultan Pur, Haryana, India

64CM+GQQ, Sultan Pur, Haryana 133202, India

Lat 30.221444°

Long 77.13602°

21/02/24 11:28 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 Sultanpur 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: Suktanpur

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Aaryamowari

Lat. No. 30-221444

Long No. 77.13602

Date: 21-02-2024

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

सहज झूल योजना

के तहत आज दिनांक 21-02-2024 को ग्राम पंचायत सुलतानपुर में सरपंचत श्री/श्रीमती कल कुमारी व ग्राम पंचायत जल एवं स्वच्छता समिति की अध्यक्षता में जल सुरक्षा योजना की बैठक की गई तथा बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई :-

- ग्राम पंचायत में जोंहर का पुर्ननिर्माण किया जाए।
- ग्राम पंचायत में स्कूल या धर्मशाला में शौच पेठ बनवाए जाए।
- किसानों के खेतों में सिंचन के लिए ट्रिप व फव्वारा विधि की व्यवस्था की जाए।
- DSR विधि से धान की बुआई की व्यवस्था की जाए।
- फसल अवशेष प्रबंधन की व्यवस्था की जाए।
- किसानों के खेतों में सिंचन हेतु क्षमिगत पाइपलाइन की व्यवस्था की जाए।

उपरोक्त सभी बिंदुओं पर चर्चा करने के पश्चात् बैठक में उपस्थित सभी सदस्यों की सहमति से जल सुरक्षा योजना को पारित किया गया।

ANNEXURE III

RESOLUTIONDate: 21-02-2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat Sultampur Block/Taluk/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 21/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	TARAN KUMARI	 Sarpanch Gram Panchayat Sultampur (Postoffice) Yamuna Nagar-133103
2	Gram Panchayat Secretary	Sr. SARWAN	

ATTENDANCE SHEET

Gram Panchayat: Sultanpur

Meeting

Pandey mardir

BLOCK :- Sarawan Majra 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.	Rupam Kumar	M	SC	Farmer	—	—	8572041946	<u>Pam Kumar</u>
2.	Tarun Kumar	F	SC	Soldier	Yes	U.W.S.C	8708726427	<u>Tarun</u>
3.	Anand Singh	M	SC	Teacher	Yes	U.W.S.C	8059832947	<u>Anand Singh</u>
4.	Risha	F	SC	Housewife	—	—	9306335769	<u>Nidra</u>
5.	Satish Singh	M	SC	Housewife	—	—	8708855037	<u>Shashi Bhehera</u>
6.	Gaurav	M	SC	Farmer	—	—	8683045988	<u>Gaurav</u>
7.	Shanti	M	SC	Housewife	—	—	7988287908	<u>Shanti</u>
8.	Raj Singh	M	SC	Farmer	Yes	U.W.S.C	9991339785	<u>Raj Singh</u>
9.	Dashan	M	SC	Farmer	—	—	9671295330	<u>Dashan</u>
10.	Rudra P	M	SC	Farmer	—	—	7015359854	<u>Rudra P</u>
11.	Rajendra	M	SC	Farmer	—	—	70153290705	<u>Rajendra</u>
12.	Sunil Kumar	M	SC	Farmer	—	—	9671295330	<u>Sunil Kumar</u>
13.	Rishi	F	SC	Housewife	—	—	9578249086	<u>Rishi</u>
14.	Sipadha	F	SC	Housewife	—	—	70153380905	<u>Sipadha</u>
15.	Ram Devika	F	SC	Housewife	—	—	—	<u>Ram Devika</u>
16.	Babita	F	SC	Housewife	—	—	7015357410	<u>Babita</u>
17.	Maya	F	SC	Housewife	—	—	8708855033	<u>Maya</u>
18.	Ram Lal	M	SC	Farmer	Yes	U.W.S.C	9350333688	<u>Ram Lal</u>
19.	Anand Singh	M	SC	Farmer	Yes	U.W.S.C	8059832947	<u>Anand Singh</u>
20.	Sandeep	M	SC	Farmer	—	—	9466834813	<u>Sandeep</u>

Sl. No	Vill - K.M.S	Sub Group and	cast	Meeting place - Occupation	Paides mardix Present	comptee	P.No	Signature
81	Sakia	F	SC	H.W	Yes	V.W.S.C	9813359085	Suman
82	Suman	F	SC	Pandh	Yes	V.W.S.C	8168486713	Suman
83	Pindri	F	BC	A.W.W	Yes	V.W.S.C	9818739185	Praveen
84	Pena Puri	F	Gen	Pandh	Yes	V.W.S.C	8930713413	Pena Puri
85	Dikshadi	F	SC	Teacher	Yes	V.W.S.C	9050149051	Diksha Par,