

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 11:50 AM User Name : SPMU_Haryana_6

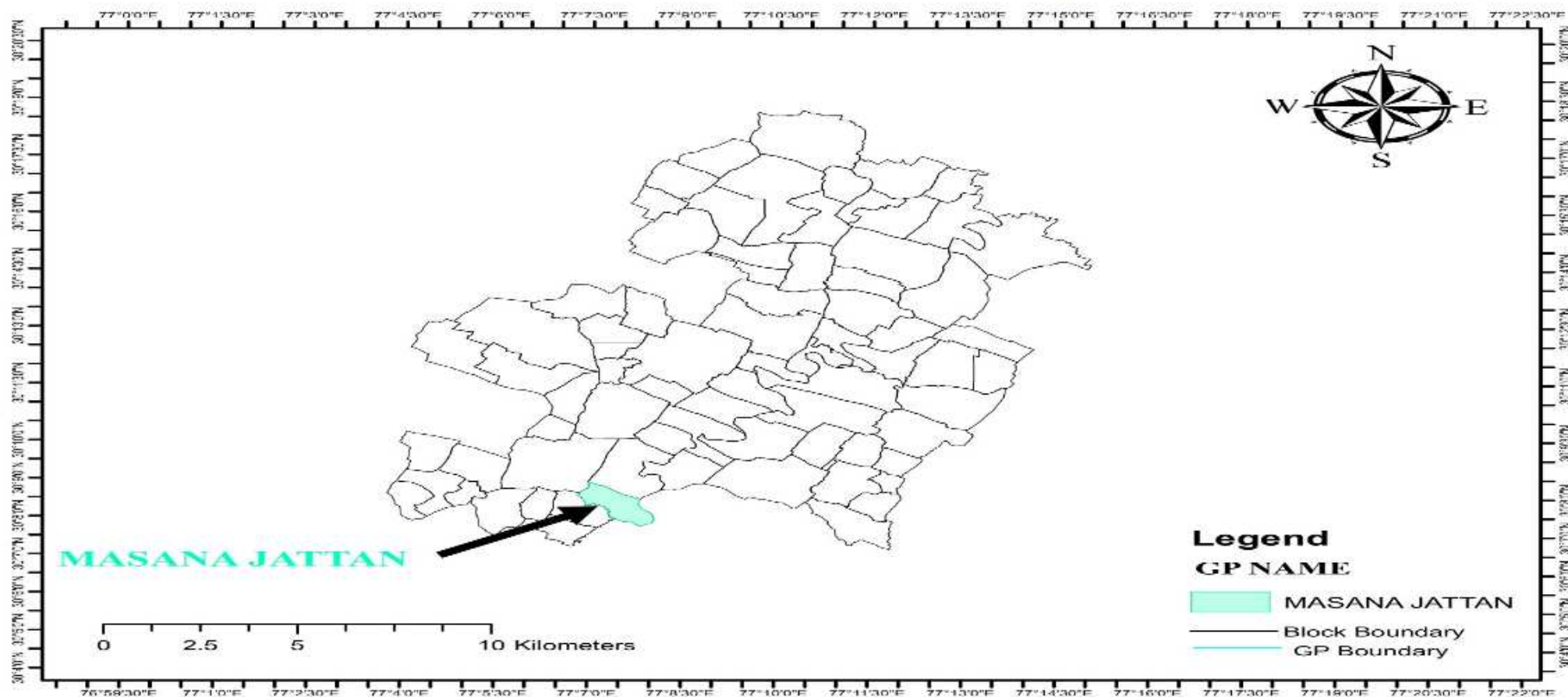
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: MASANA JATTAN_33458 » YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Masana Jattan_33458
GP ID :	33458	Block Area (Ha) :	20267.2000
GP area (Ha) :	181.6000	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

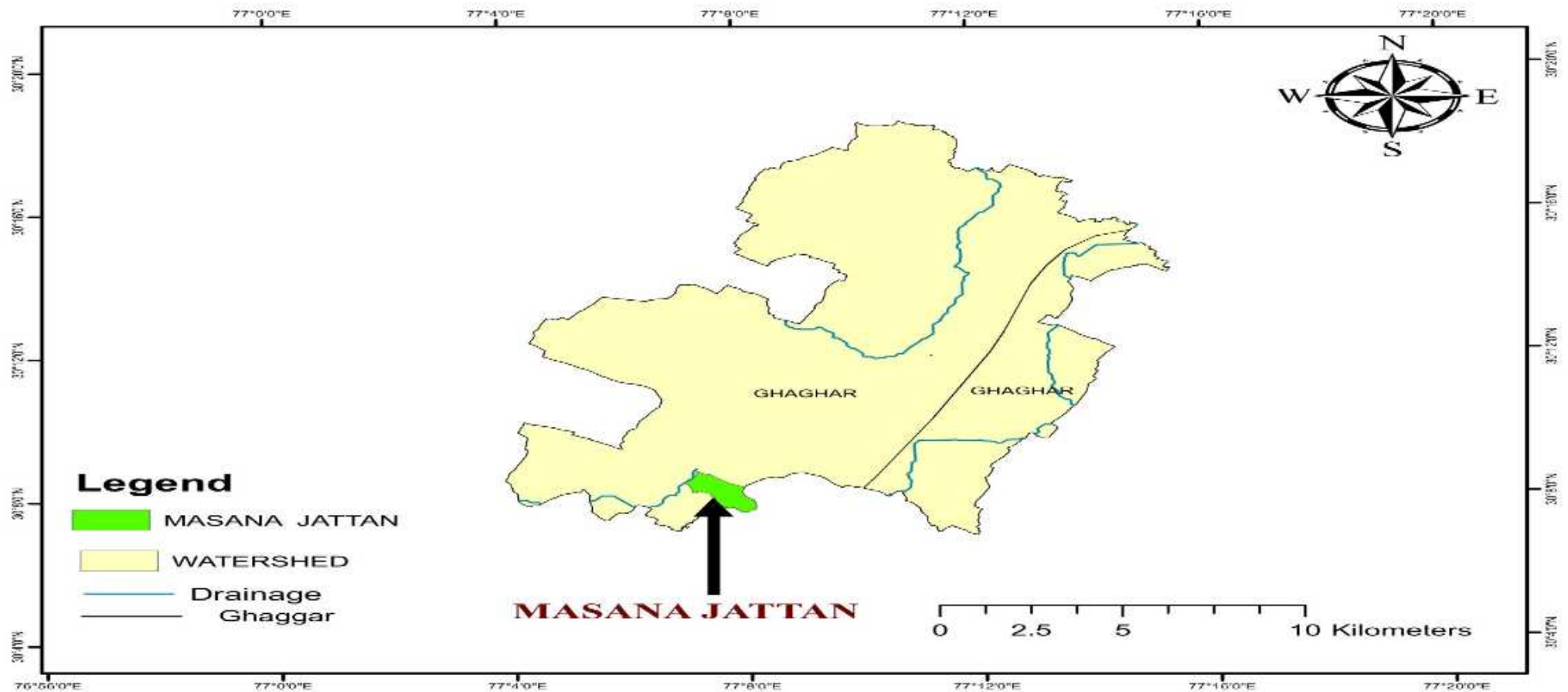
Location Map

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



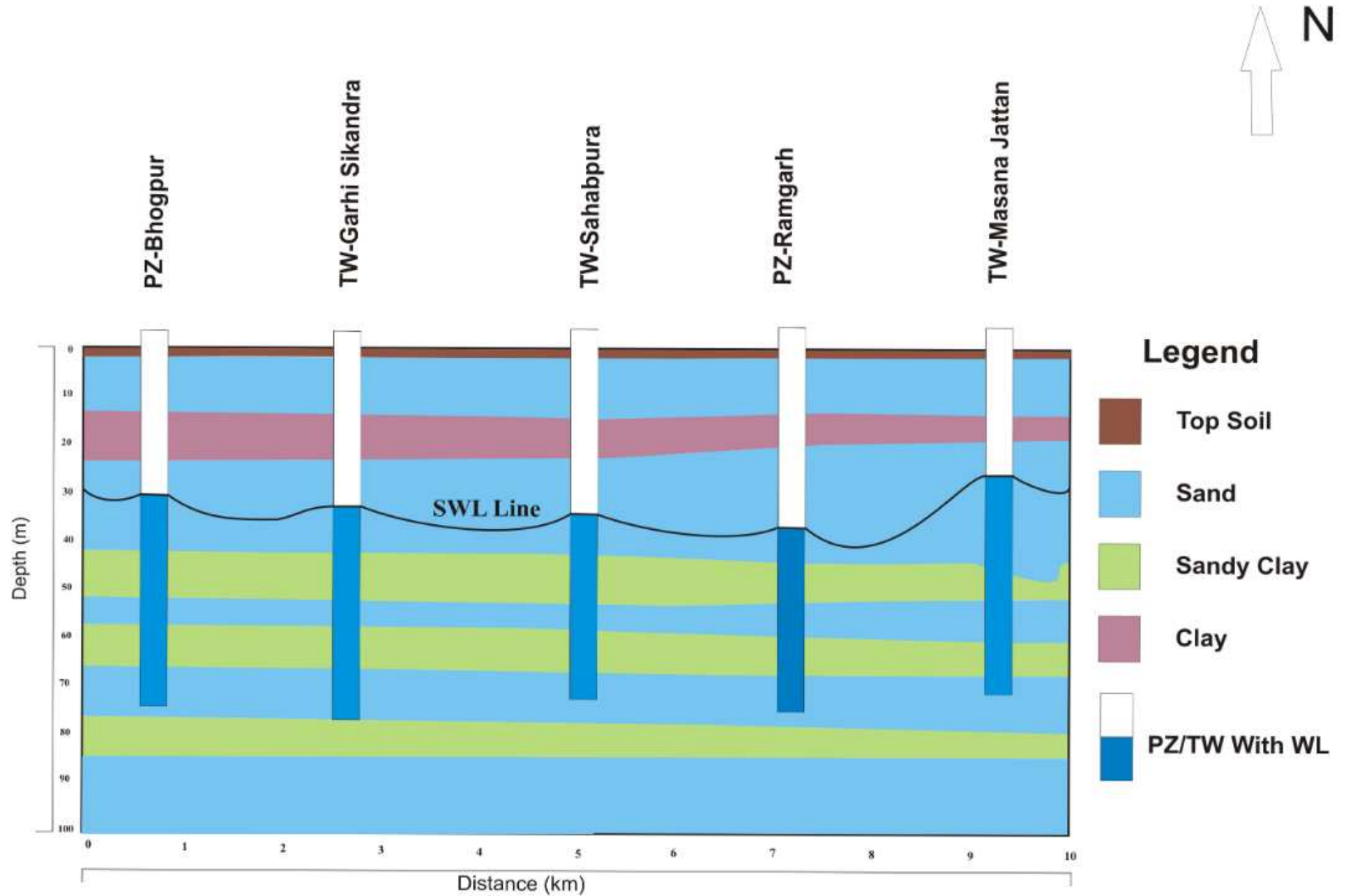
Watershed Map

Watershed & Drainage Map : GP Masana Jattan, 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	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	30.56	2024-02-13
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	30.50	2024-01-17
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	30.60	2023-12-24
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	30.58	2023-11-29
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	30.92	2023-10-26
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	31.20	2023-09-30
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	31.60	2023-08-30
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	32.5	2023-07-31
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	31.9	2023-06-28
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	31	2023-05-23

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
	Masana jattan	On the kaccharastato rapoli	30.12929	77.12678	2023-04-12	033458-001	Tube Well		Private		0.22	46.00	0.38	30.76	2023-04-12
2	Masana jattan	Politery farm	30.13033	77.12317	2024-01-11	958148-002	Tube Well		Private		0.1500	80.00	0.35	30.82	2024-02-13
	Masana jattan	Politery farm	30.13033	77.12317	2024-01-11	958148-002	Tube Well		Private		0.1500	80.00	0.35	30.85	2024-01-11
3	Masana jattan	On road	30.13076	77.12914	2024-01-11	631981-003	Bore Well		Private		0.200	90.00	0.50	30.12	2024-02-13
	Masana jattan	On road	30.13076	77.12914	2024-01-11	631981-003	Bore Well		Private		0.200	90.00	0.50	30.10	2024-01-11

Ground Water Quality

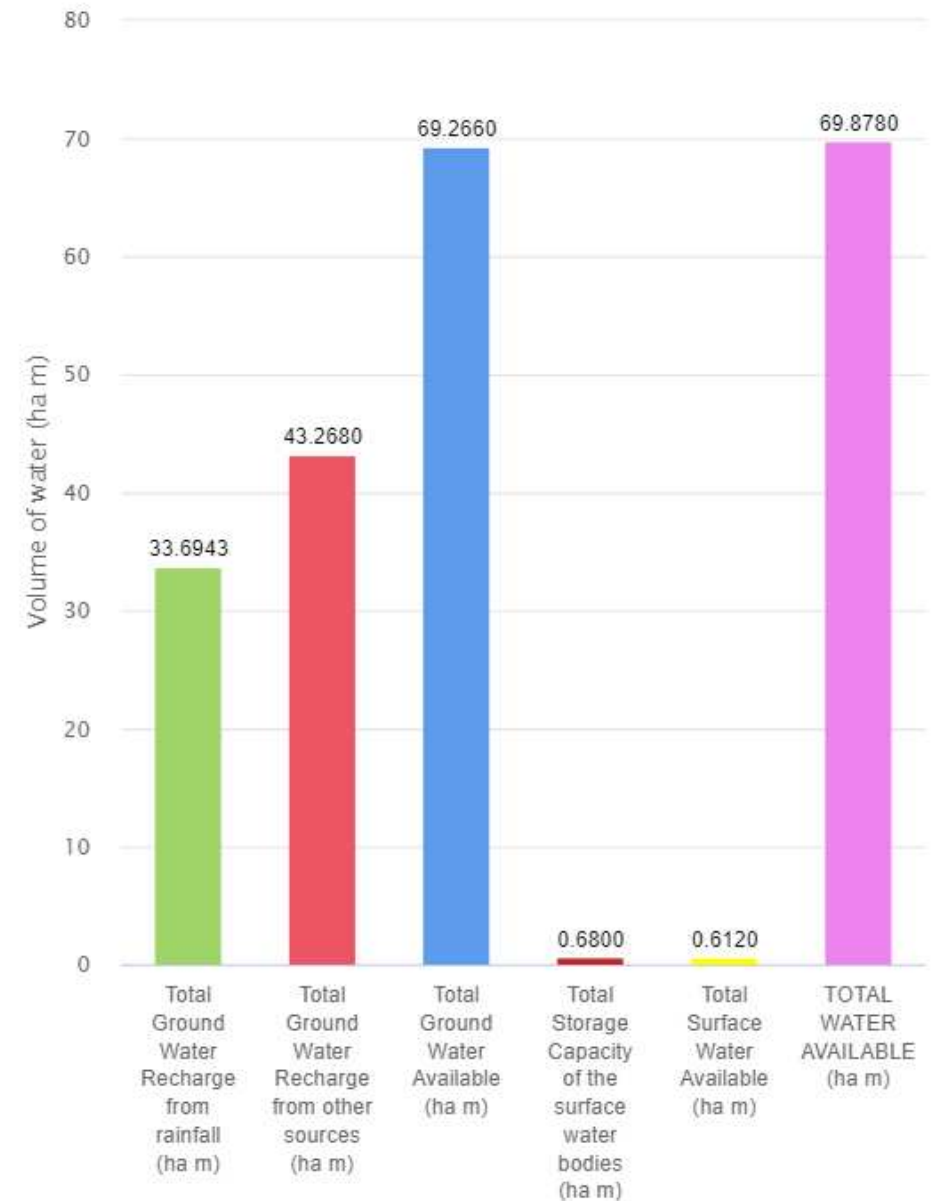
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Masana Jattan	Masana Jattan	30.13126	77.12751	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_masana jattan _001
2	Masana Jattan	Masana Jattan	30.130199	77.124527	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_masana jattan _002
3	Masana Jattan	null	30.131389	77.127222	2016	Tube Well	CGWB	WQ PV 13537
	Masana Jattan	null	30.131389	77.127222	2017	Tube Well	CGWB	WQ PV 13537
	Masana Jattan	null	30.131389	77.127222	2018	Tube Well	CGWB	WQ PV 13537
	Masana Jattan	null	30.131389	77.127222	2019	Tube Well	CGWB	WQ PV 13537
	Masana Jattan	null	30.131389	77.127222	2020	Tube Well	CGWB	WQ PV 13537
	Masana Jattan	null	30.131389	77.127222	2021	Tube Well	CGWB	WQ PV 13537
	Masana Jattan	null	30.131389	77.127222	2015	Tube Well	CGWB	WQ PV 13537
4	Masana Jattan	null	30.131389	77.127222	2022	Tube Well	CGWB	WQ PV 13540

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Water Availability Report

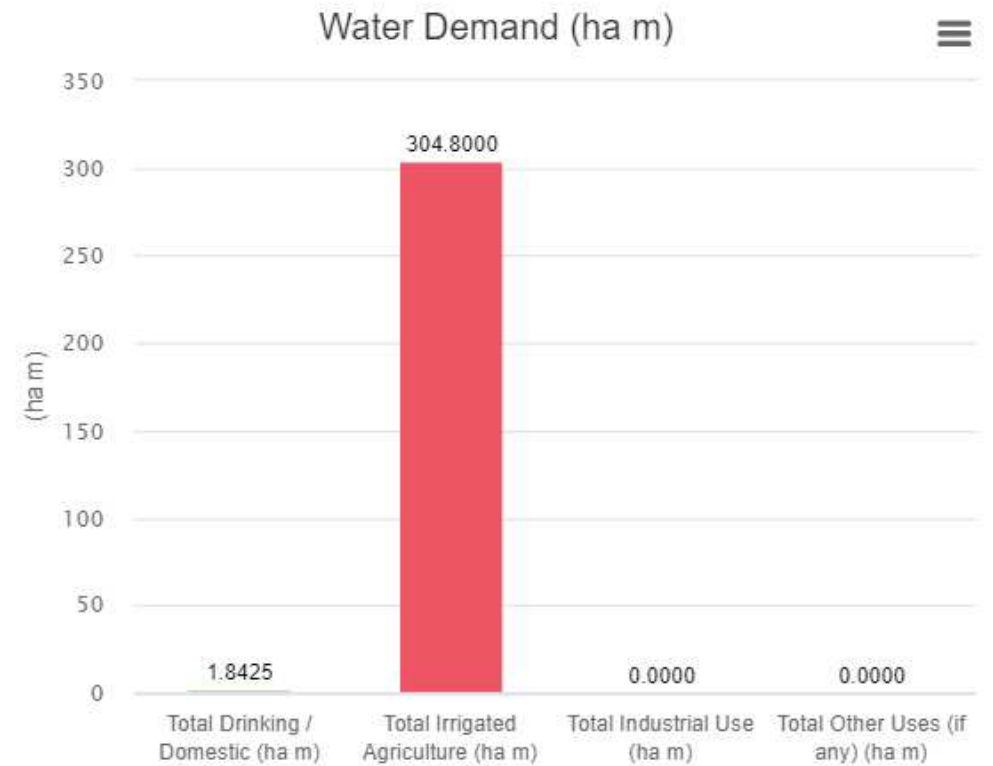
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	324.2904
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	81.6746
e.	Estimated Water Available From Rainfall (ha m)	242.6158
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	72.7847
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	27.0160
(ii)	Non-Monsoon	6.6783
	Total Ground Water Recharge from rainfall (ha m)	33.6943
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	25.0466
(ii)	Non-Monsoon	18.2214
	Total Ground Water Recharge from other sources (ha m)	43.2680
c.	Losses Due to Natural Discharge (ha m)	7.6963
	Total Ground Water Available (ha m)	69.2660
d.	Ground Water Withdrawal (ha m)	139.6685
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	0.68
	Total Storage Capacity of the surface water bodies (ha m)	0.6800
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	0.6120
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.6120
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	69.8780

Water Availability (ha m)



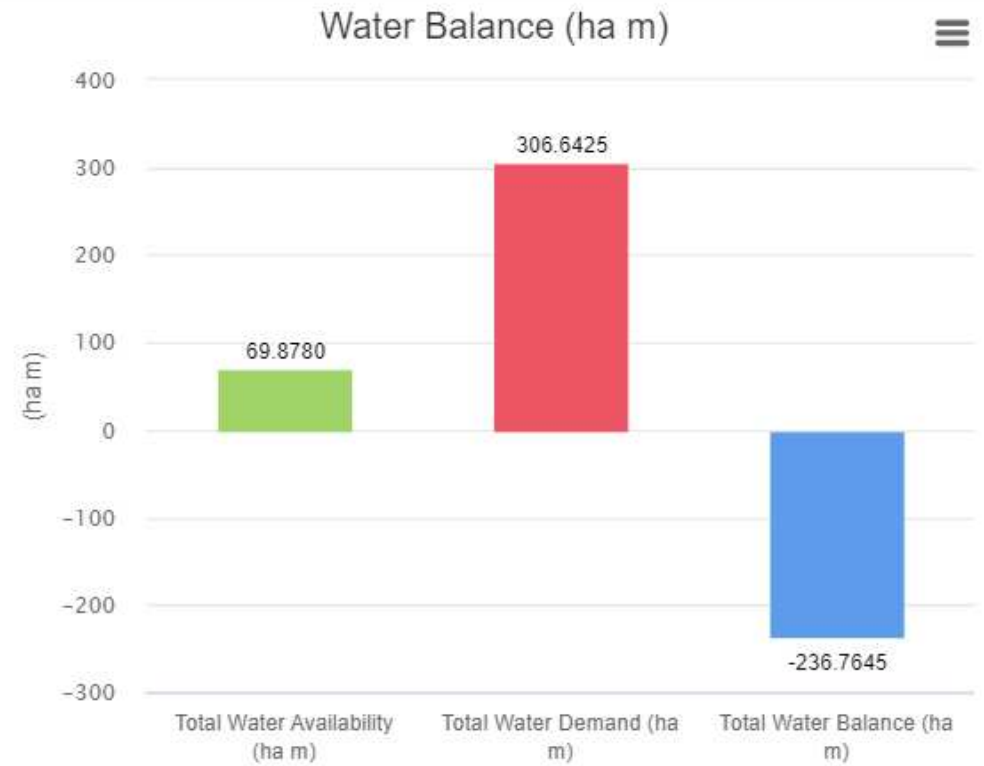
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.0822
ii)	From Ground Water	1.7603
	Total Drinking /Domestic (ha m)	1.8425
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	304.8000
	Total Irrigated Agriculture (ha m)	304.8000
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	69.2660
ii)	Total Surface Water Available	0.6120
	Total Water Availability (ha m)	69.8780
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.0822
ii)	Total Ground Water Demand	306.5603
	Total Water Demand	306.6425
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-237.2943
ii)	Total Surface Water Balance	0.5298
	Total Water Balance	-236.7645



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	506.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	698.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	1.4012
II Livestock	
i) Present livestock population	194.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	257.0000
v) Average per capita requirement (L)	116.1598
vi) Projected water requirement for livestock (as in 2050) (ha m)	1.0896
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)	2.4908
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)	2.4908
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	66.7752
ii) Surface water	0.6120
iii) Total water available for future irrigation	67.3872

Projected Water Budget for future use (for year 2050)

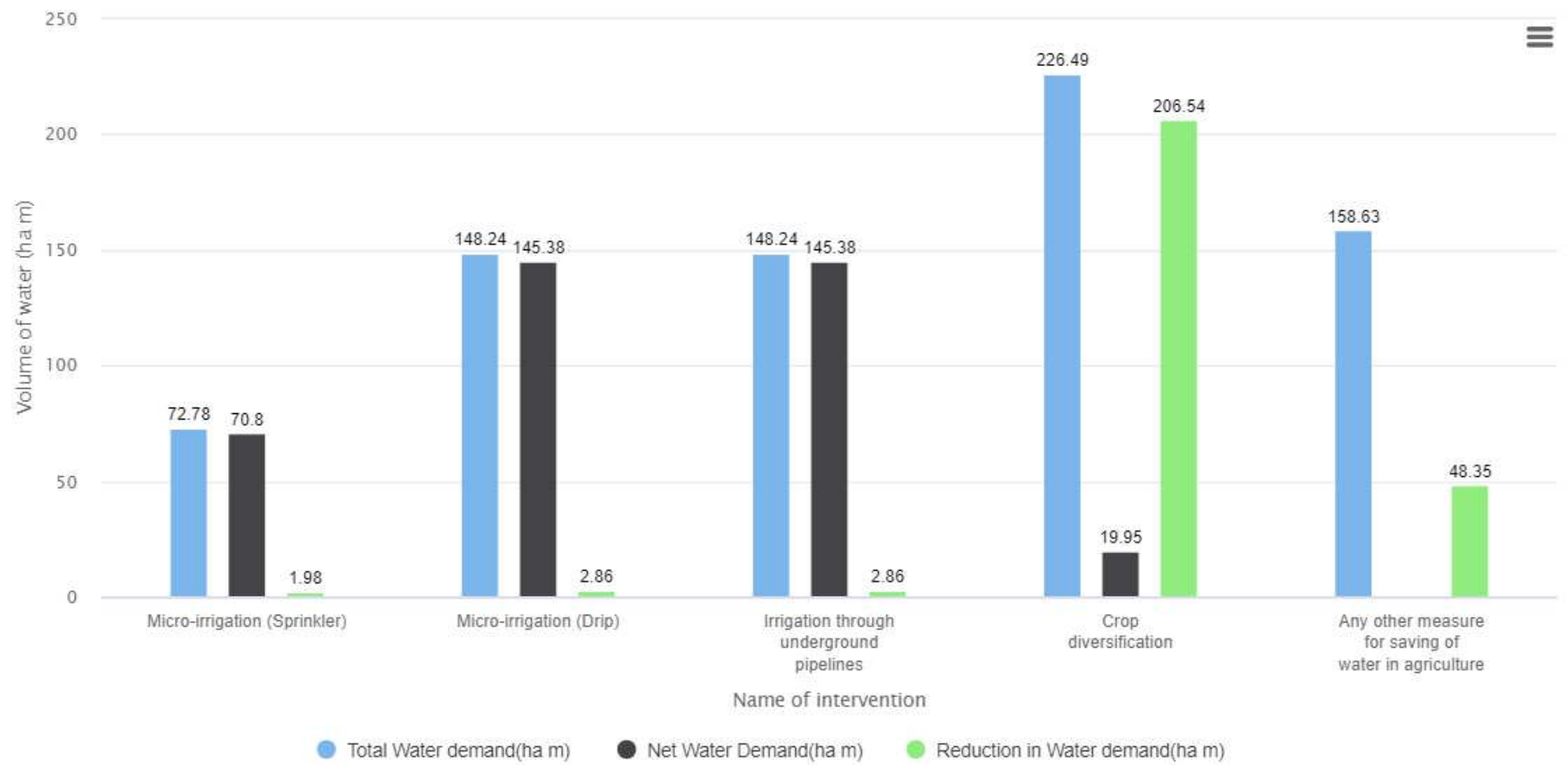


Demand Side

Total Area under Conventional Irrigation (ha) : 319.6599999999997

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	72.7800	70.8000	1.9800	13.4400
2	Drip	13.0000	148.2400	145.3800	2.8600	19.8900
3	Pipelines	13.0000	148.2400	145.3800	2.8600	3.2500
4	Crop Diversification	44	226.4900	19.9500	206.5400	7.5700
5	Other Measures	178.0000	158.6300	--	48.3500	9.7870
	Total	260.0000	754.3800	381.5100	262.5900	53.9370

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	76	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	2.812
2	Drip	13	2024-25	MICADA	PMKSY(Per Drop More Crop)	19.89
3	Sprinkler	12	2024-25	MICADA	PMKSY(Per Drop More Crop)	13.44
4	UG Pipelines	13	2024-25	Agriculture & Farmer Welfare Department	Other	3.25
5	Crop Diversification	12	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	2.07
6	Crop Diversification	32	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5.5
7	Other Measures	5	2024-25	Department of Horticulture	Other	0.8
8	Other Measures	47	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.175
9	Other Measures	50	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5
	Total	260				53.9370

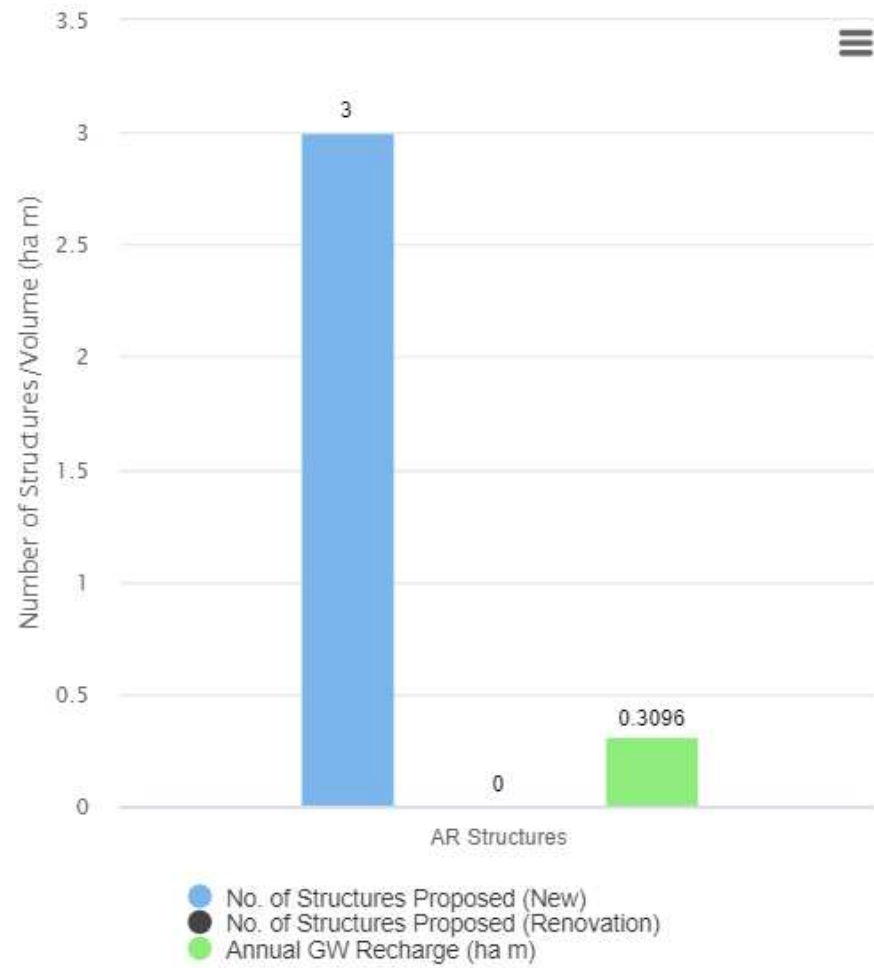


Supply Side

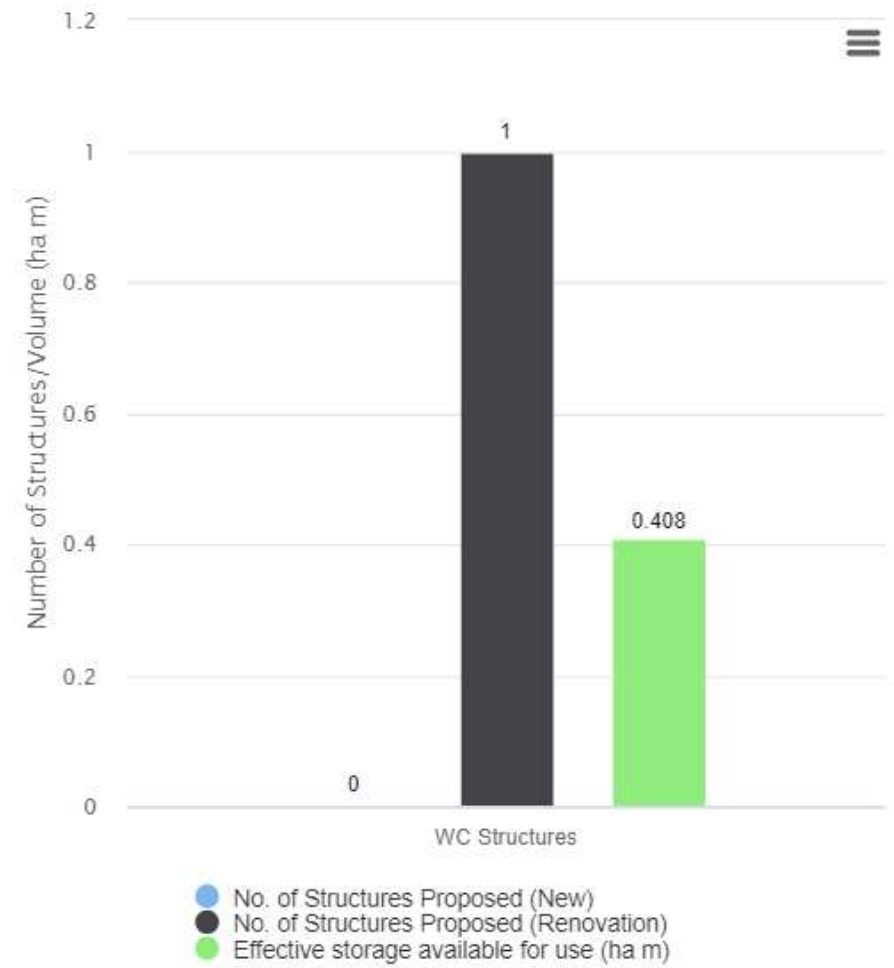
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Masana Jatan (184)	30.13304	77.12513	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	Injection Wells/ Recharge Wells(New)	0.00231	0.0069300	Masana Jatan (184)	30.13534	77.12475	2024-25	Irrigation & Water Resource Development	Departmental Scheme	2.4
3	Check Dam (New)	0.2	0.300	Masana Jatan (184)	30.132464	77.134233	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
	Total	0.2041	0.3096							7.0200

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)	0.68	0.408	Masana Jatan (184)	30.1343	77.12522	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	42.85
	Total	0.6800	0.4080							42.8500

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	RAJINDER	MEMBER	Female	9416493464
2	SUNIL	MEMBER	Male	9416660251
3	SUKHBIR	MEMBER	Male	9466391843
4	RAJ RANI	MEMBERE	Female	8607348421
5	NIRMALA	MEMBER	Female	9416706024
6	ANJU	MEMBER	Female	
7	VIKRAM	GRAM SACHIV	Male	
8	PARKASH KUMAR	CHAIRPERSON	Male	7027252105
9	RAJNI	MEMBER	Female	7027822506
10	PARMAL	MEMBER	Male	9467811434
11	AMAN KUMAR	MEMBER	Male	8053102515
12	REENA RANI	MEMBER	Female	7021972160
13	RAMESHWAR	MEMBER	Male	9991110051
14	JASBIR	MEMBER	Male	9416493464
15	RAMESHWAR DAS	JE	Male	9991110051

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	Masana Jattan_33458	2024-02-23	Masana Jattan_33458	Masana Jattan (184)	Govt. school	19	6	0	25

Photograph



GPS Map Camera



Google

Masana Jattan, Haryana, India

44JG+H5M, Masana Jattan, Haryana 133103, India

Lat 30.131595°

Long 77.125266°

23/02/24 05:43 PM GMT +05:30

DPMU DECLARATION

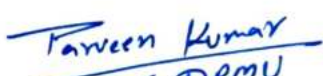
I. Surinder Kumar (Name), Executive Engineer, HKB Division No. 1 (Designation), authorized representative under District Program Management Unit (DPMU) declare that the WSP of Masara Jattan Gram Panchayat, Saraswati Nagar Block Yamuna Nagar District has been updated by including additional interventions. 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: Masana Jetham Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: G.P. School

Lat. No. ~~30-131356~~

Long No. 77-125266

Date: 23/02/24

30-131595

77-135266

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

योजना के अंतर्गत आज दिनांक 23/02/24 को ग्राम पंचायत मसाना जेठम में सरपंच श्री प्रदीप कुमार की अध्यक्षता में जल सुरक्षा योजना की बैठक का आयोजन किया गया तथा बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई :-

- ग्राम पंचायत में जोड़ का पुर्ननिर्माण किया जाए!
- ग्राम पंचायत में स्कूल या धर्मशाला में SARWHS या शौकेज पिट बनवाए जाए!
- खेतों में सिंचाई के लिए भूमिगत पम्पलाइन की व्यवस्था की जाए!
- DSR विधि से धान की बुआई की व्यवस्था की जाए!
- कंसल अवशेष प्रबंधन की व्यवस्था की जाए!

उपरोक्त सभी बिंदुओं पर चर्चा करके बैठक में उपस्थित सभी सहभागियों से जल सुरक्षा योजना को पारित किया गया!

ANNEXURE III

RESOLUTION

Date 23/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat Masana Jattan 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 23/02/24.

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>Pardeep Kumar</u>	<u>Pardeep Kumar</u> Sarpanch Gram Panchayat Masana Jattan Block Saraswati Nagar (Ynr.)
2	Gram Panchayat Secretary	<u>SK. VIKRAM</u>	<u>[Signature]</u>

ATTENDANCE SHEET

Gram Panchayat: Masana Sathan Meeting: G.P. School

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	Padeel Kumar	M	SC	School	Yes	U.W.S.C	8897046018	Padeel Kumar
2	Asha Rani	F	BC	34th Sdhi School	Yes	U.W.S.C	9991985360	811211211
3	Sadhvi	F	BC	H.W	Yes	U.W.S.C	9053583076	211211
4	Indarset	M	Gen	Panna	-	-	8685819349	1103858
5	Madhyal	M	Gen	Panna	-	-	98996334468	
6	Pooja Kumar	M	BC	Panna	Yes	U.W.S.C	999941390	Pooja Kumar
7	Satbir	M	BC	Panna	-	-	882015453	Satbir
8	Nirmala	F	SC	H.W	Yes	U.W.S.C	8816998382	Panna
9	Meena Devi	F	SC	H.W	-	-	8708140811	Meena Devi
10	Pooja	F	BC	H.W	-	-	999353128	Pooja
11	Pooja Devi	F	BC	H.W	Yes	U.W.S.C	8053930647	Pooja
12	Balwinder	M	BC	Panna	-	-	95028008	Balwinder
13	Prabhu	M	BC	Panna	Yes	U.W.S.C	8053789142	Pooja
14	Chandrasekhar	M	Gen	Panna	-	-	9355878378	Chandrasekhar
15	Full Singh	M	SC	Panna	-	-	9991969829	211211
16	Gaurav	M	BC	Panna	-	-	8813874831	Gaurav
17	Mohit Kumar	M	BC	Student	Yes	U.W.S.C	905032710	Mohit

ATTENDANCE SHEET

Gram Panchayat:- Mahadev Sadan

Meeting:- G.P School

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
18	Mange Ram	M	BC	Prch	No	No	9518630704	Mange Ram
19	Mange Ram	M	Gen	Farmer	Yes	U.W.S.C	9518630704	21/12/21
20	Ra Swinder	M	BC	Farmer	-	-	9728486082	20/11/23
21	Rizan Pal	M	S.C	Tachar	Yes	U.W.S.C	9080872036	Signature
22	Shafinder	M	Gen	Farmer	-	-	8813885002	Shafinder
23	Seadeep	M	BC	Prch	Yes	U.W.S.C	9999137936	Signature
24	Swinder	M	Gen	Farmer	Yes	-	9996610198	Swinder
25	Swinder	M	BC	Farmer	-	-	9354518510	Signature