

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 12:18 PM User Name : SPMU_Haryana_6

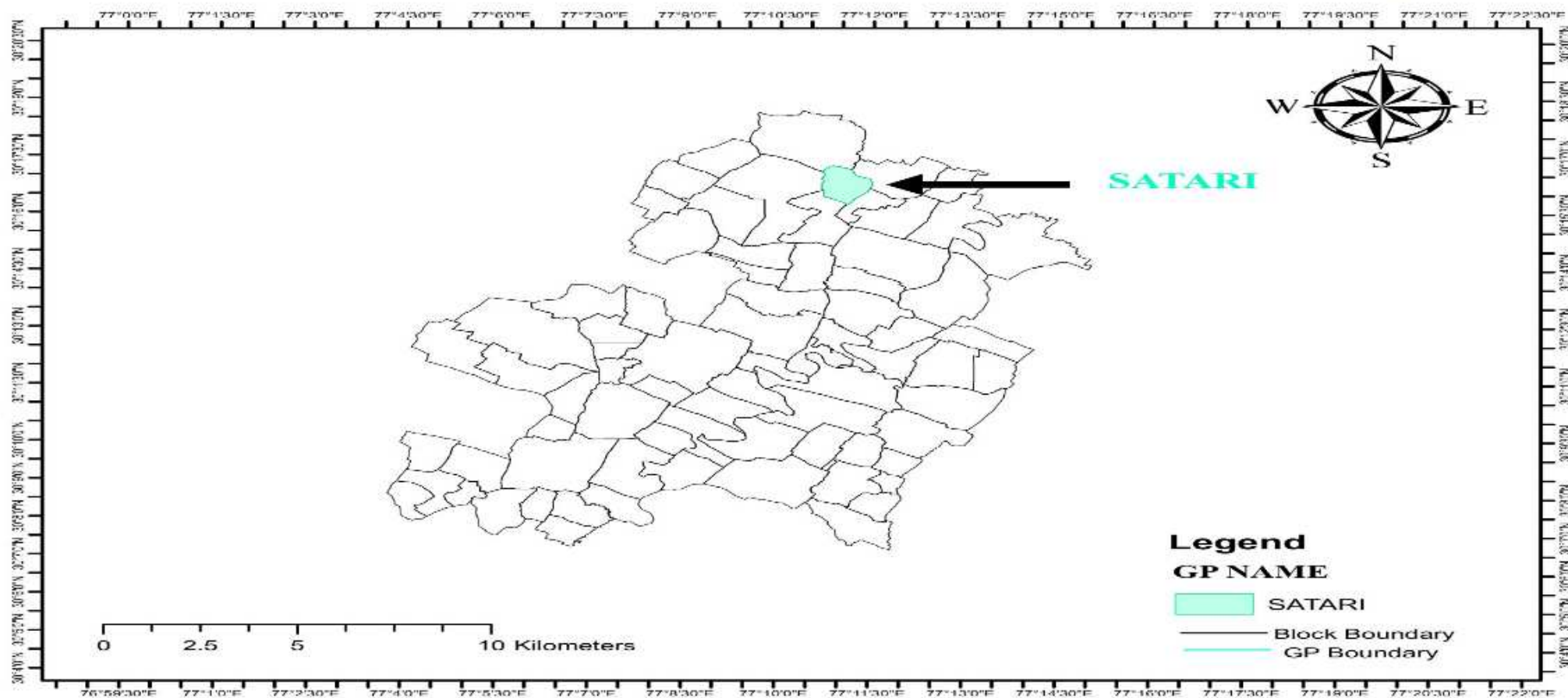
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: SATARI_33473 » YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Satari_33473
GP ID :	33473	Block Area (Ha) :	20267.2000
GP area (Ha) :	159.0000	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

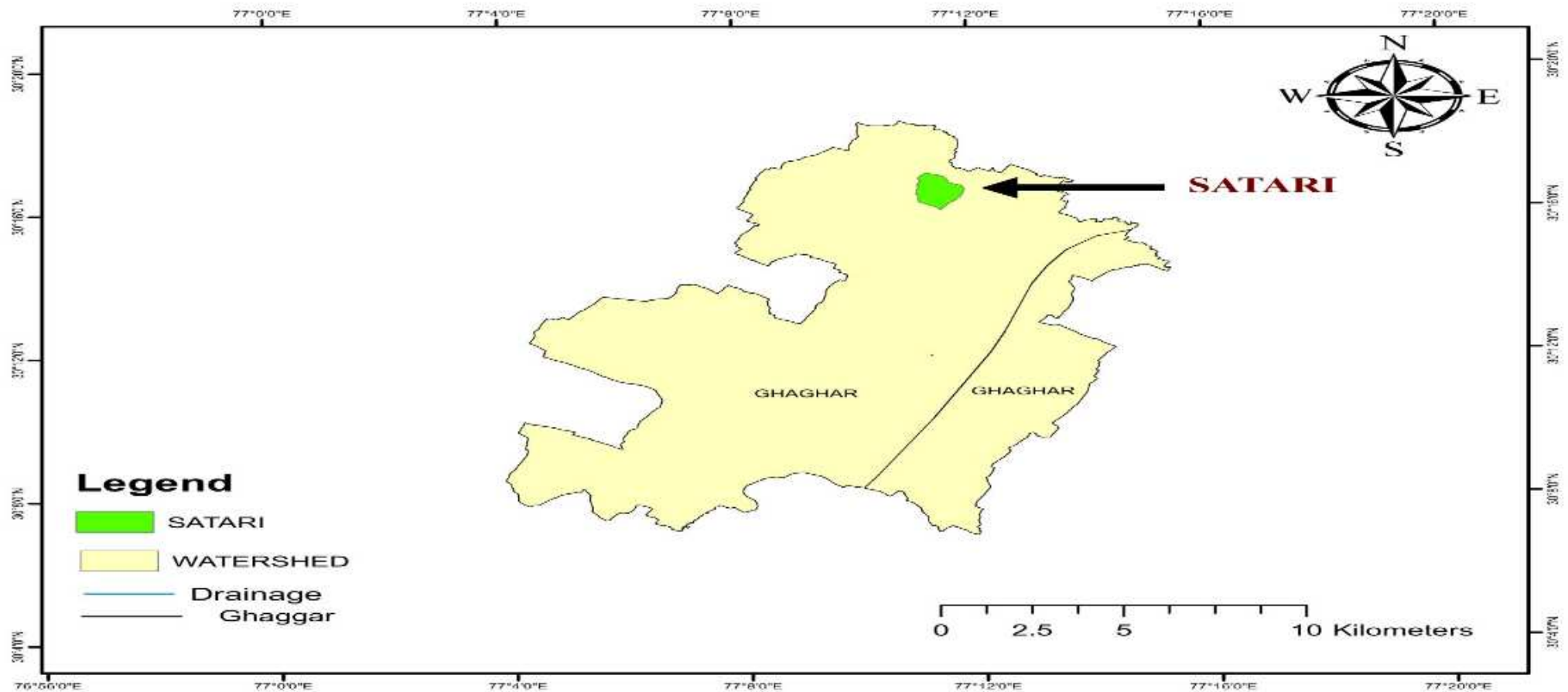
Location Map

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



Watershed Map

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



Aquifer Map

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	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.64	2024-02-17
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.70	2024-01-22
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.65	2023-12-26
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.51	2023-11-29
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.40	2023-10-30
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.40	2023-09-29
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.60	2023-08-29
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	6.20	2023-07-30
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.99	2023-06-30
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	5.2	2023-05-24

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
	Satari	Near Kheda baba	30.2767	77.19146	2023-04-13	033473-001	Dug Well		Private		2.35	39.20	0.51	4.85	2023-04-13
2	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.35	2024-02-17
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.40	2024-01-22
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.85	2023-12-20
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.72	2023-10-29
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.78	2023-09-29
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.62	2023-08-29
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.98	2023-07-29
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	42.7	2023-06-30
	Satari	Gp school	30.27864	77.19219	2023-05-24	033473-002	Piezometer		Government	SGWB	0.1000	73.00	0.50	40.35	2023-05-24
3	Satari	Near Khera baba	30.27583	77.18937	2024-01-24	694946-003	Others	Summersible	Government	SGWB	0.1200	35.00	0.50	4.54	2024-02-17
	Satari	Near Khera baba	30.27583	77.18937	2024-01-24	694946-003	Others	Summersible	Government	SGWB	0.1200	35.00	0.50	4.50	2024-01-24

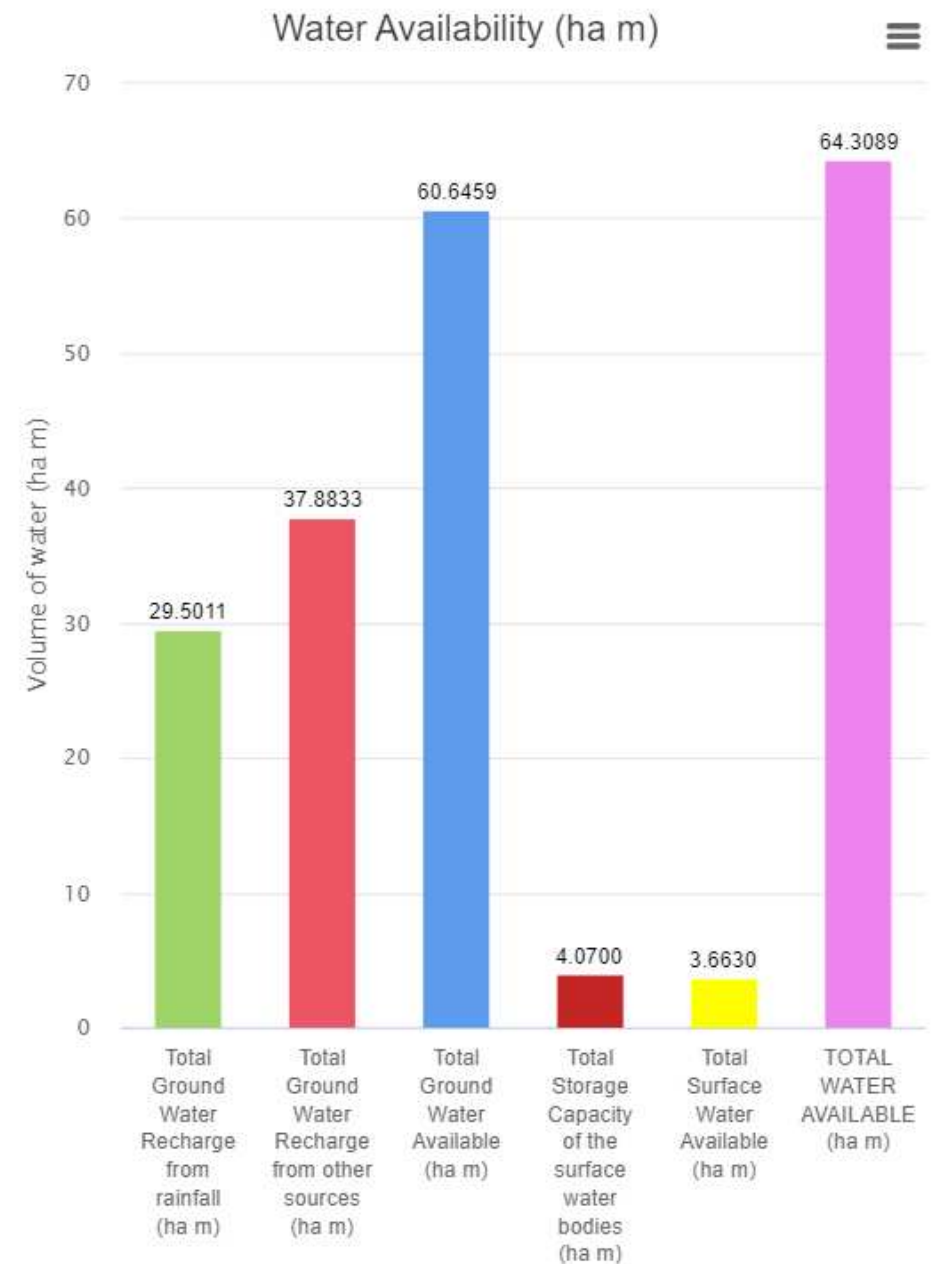
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Satari	Satari	30.278259	77.190102	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Satari _002
2	Satari	Satari	30.276134	77.191933	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Satari _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)
1	ABY_YMR_S NAGAR_ Satari _002	98	UNCONFINED	7.5	654	398	146	36	13.6	19.5	0.7	0	240	35	29	0.36	5.2
2	ABY_YMR_S NAGAR_ Satari _001	107	UNCONFINED	7.7	691	421	158	31	19.6	24	0.7	0	246	27	46	0.41	6.52

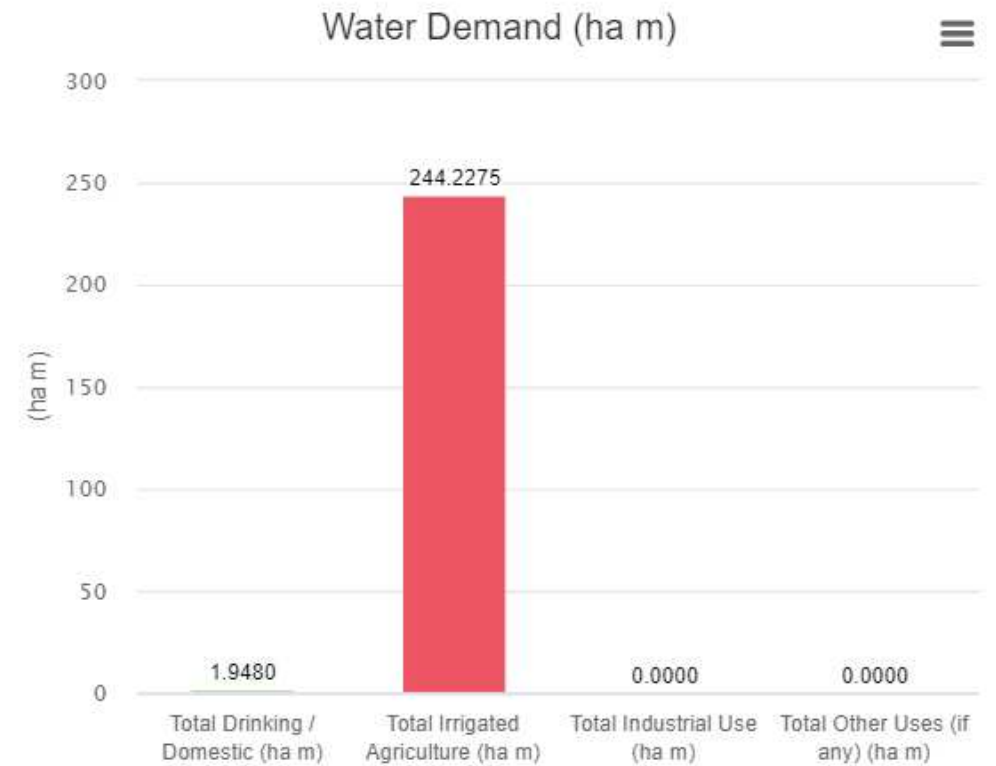
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	283.9327
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	71.5102
e.	Estimated Water Available From Rainfall (ha m)	212.4225
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	63.7268
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	23.6539
(ii)	Non-Monsoon	5.8472
	Total Ground Water Recharge from rainfall (ha m)	29.5011
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	21.9296
(ii)	Non-Monsoon	15.9537
	Total Ground Water Recharge from other sources (ha m)	37.8833
c.	Losses Due to Natural Discharge (ha m)	6.7385
	Total Ground Water Available (ha m)	60.6459
d.	Ground Water Withdrawal (ha m)	122.2869
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	4.07
	Total Storage Capacity of the surface water bodies (ha m)	4.0700
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	3.6630
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	3.6630
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	64.3089



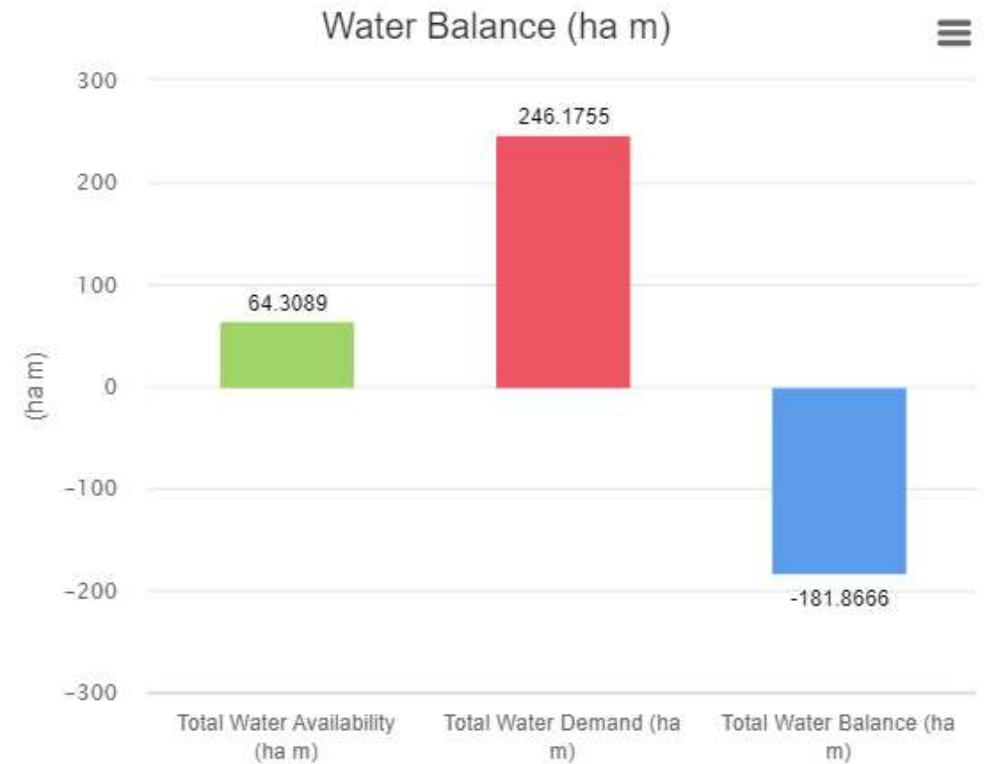
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.0868
ii)	From Ground Water	1.8612
	Total Drinking /Domestic (ha m)	1.9480
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	2.6865
ii)	From Ground Water	241.5410
	Total Irrigated Agriculture (ha m)	244.2275
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

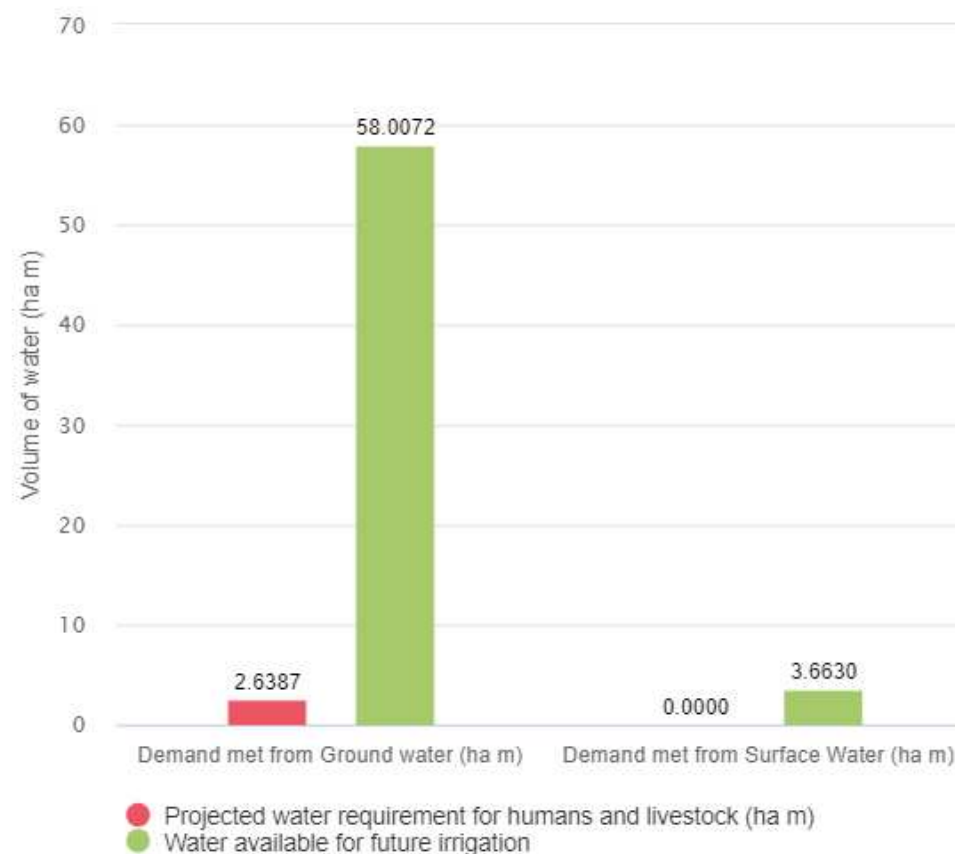
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	60.6459
ii)	Total Surface Water Available	3.6630
	Total Water Availability (ha m)	64.3089
B	Water Demand (ha m)	
i)	Total Surface Water Demand	2.7733
ii)	Total Ground Water Demand	243.4022
	Total Water Demand	246.1755
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-182.7563
ii)	Total Surface Water Balance	0.8897
	Total Water Balance	-181.8666



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	537.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	741.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	1.4876
II Livestock	
i) Present livestock population	187.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	248.0000
v) Average per capita requirement (L)	127.1658
vi) Projected water requirement for livestock (as in 2050) (ha m)	1.1511
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)	2.6387
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)	2.6387
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	58.0072
ii) Surface water	3.6630
iii) Total water available for future irrigation	61.6702

Projected Water Budget for future use (for year 2050)

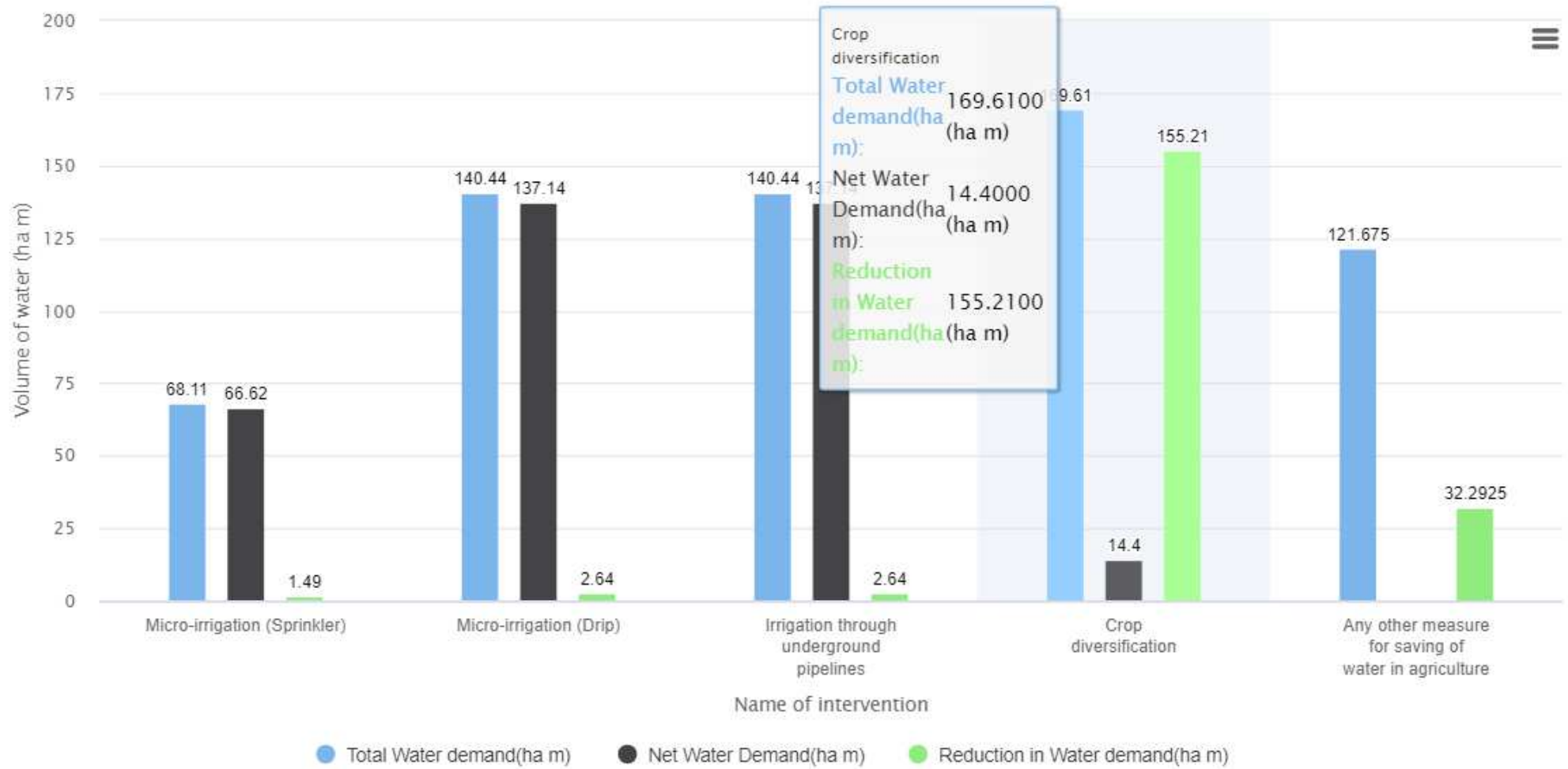


Demand Side

Total Area under Conventional Irrigation (ha) : 281.42

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	9.0000	68.1100	66.6200	1.4900	10.0800
2	Drip	12.0000	140.4400	137.1400	2.6400	18.3600
3	Pipelines	12.0000	140.4400	137.1400	2.6400	3.0000
4	Crop Diversification	32	169.6100	14.4000	155.2100	5.5360
5	Other Measures	143.0000	121.6750	--	32.2925	67.7260
	Total	208.0000	640.2750	355.3000	194.2725	104.7020

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	63	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	2.331
2	Sprinkler	9	2024-25	MICADA	PMKSY(Per Drop More Crop)	10.08
3	Drip	12	2024-25	MICADA	PMKSY(Per Drop More Crop)	18.36
4	UG Pipelines	12	2024-25	Agriculture & Farmer Welfare Department	Other	3
5	Crop Diversification	7	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	1.211
6	Crop Diversification	25	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	4.325
7	Other Measures	2	2024-25	Department of Horticulture	Other	0.32
8	Other Measures	1	2024-25	Department of Horticulture	MIDH (Mission for Integrated Development of Horticulture)	60
9	Other Measures	35	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	0.875
10	Other Measures	42	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	4.2
	Total	208				104.7020

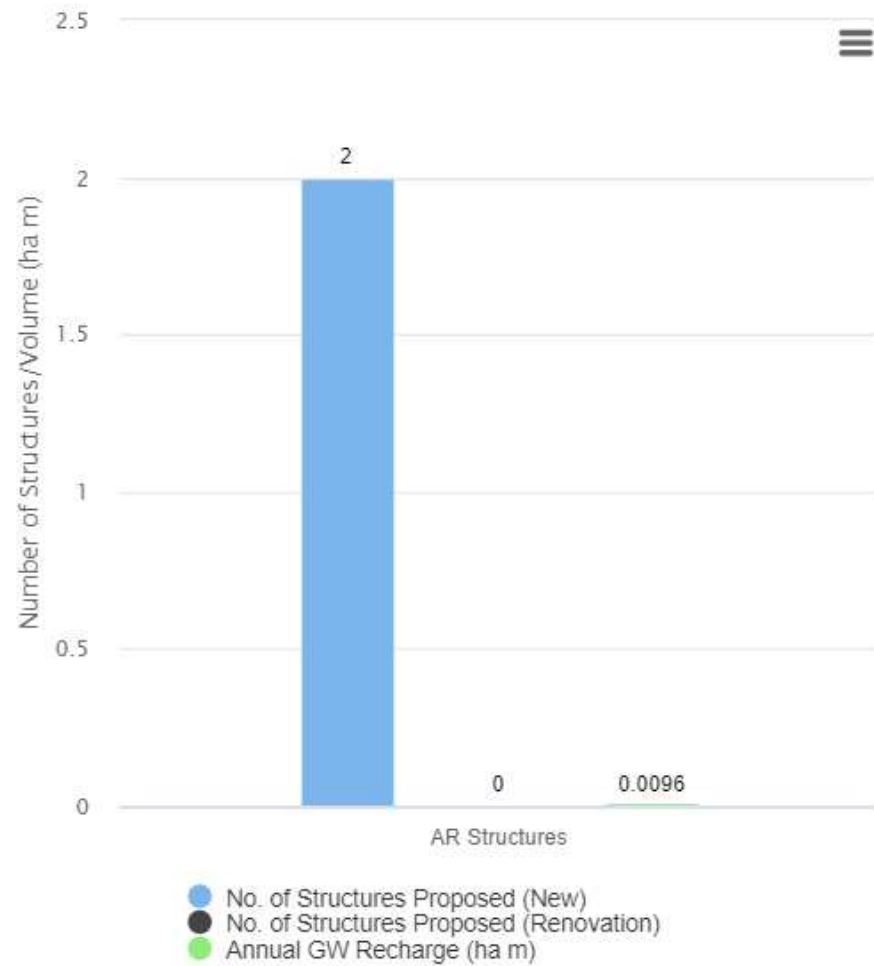


Supply Side

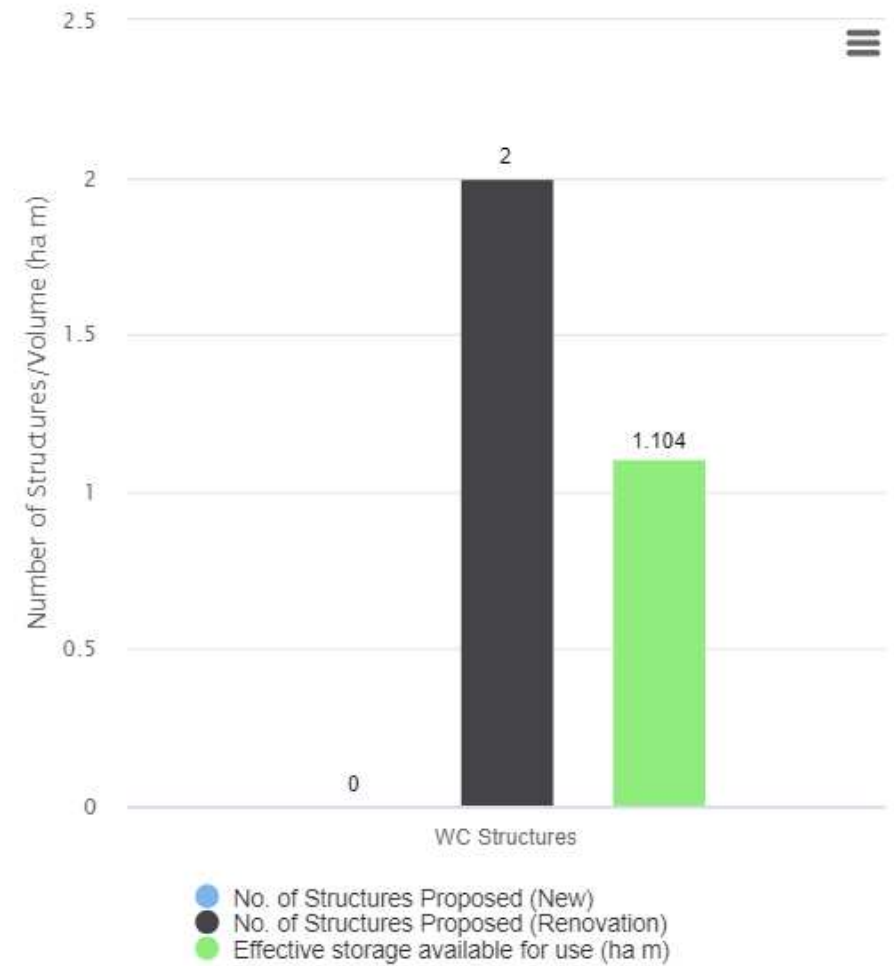
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Satari (352)	30.2602	77.1898	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	Injection Wells/ Recharge Wells(New)	0.0023	0.006900	Satari (352)	30.2766	77.1904	2024-25	Irrigation & Water Resource Development	Departmental Scheme	2.4
	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	Satari (352)	30.2751	77.1899	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
2	Pond/Amrit Sarovar(Renovation)	1.1	0.66	Satari (352)	30.2758	77.1903	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	15.41
	Total	1.8400	1.1040							25.6800

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	RAKESH	MEMBER	Male	9991306520
2	KAJAL	MEMBE	Female	8930136742
3	MANJU	CHAIRPERSON	Female	7644000074
4	BABLI	MEMBER	Female	9671010879
5	MOHIT KUMAR	MEMBER	Male	8930360707
6	SUKHDEV SINGH	MEMBER	Male	9050403349
7	SANTOSH	MEMBER	Female	9416778474
8	ANJU RANI	MEMBER	Female	9991527394
9	ROSHNI	MEMBER	Female	8708523396
10	VISHAL	MEMBER	Male	8059018113
11	USHA RANI	MEMBER	Female	9671489821
12	JARNAIL SINGH	MEMBER	Male	9991853972
13	GURUDAYAL	MEMBER	Male	9416826625
14	RAJ KUMAR	JE	Male	9729203036
15	JASVINDER	GRAM SACHIV	Male	9050363428
16	VIKASH KUMAR	JE PHED	Male	7027290104

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	Satari_33473	2024-02-27	Satari_33473	Satari (352)	gp school	11	12	0	23

Photograph



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 Sartani 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

Exec. Eng.
Executive Engineer
HKB Division No. 1
Jagadhri


IEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR


Tagveen Kumar
C.W.E DPMU

Minutes of Meeting

Village Name: Starvi

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: G.P. School

Lat. No. 30.276693

Long No. 77.190557

Date: 27/02/24

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

अटल भू-जल के अंतर्गत आज दिनांक 27/02/24 को ग्राम पंचायत स्टावी में सरपंच श्री/प्रमिति मांजु की अध्यक्षता में ग्राम पंचायत जल एवं स्वच्छता समिति का बैठक का आयोजन किया गया। बैठक में सरपंच किसान और ग्रामीणों ने भाग लिया। इस बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई।

- (i) ग्राम पंचायत जोड़ का पुनर्निर्माण किया जाए।
 - 2) किसानों की खेती में ड्रिप और फुवारा सिंचिरी विधि लागू जाए।
 - 3) ग्राम पंचायत में स्कूल या धर्मशाला में रोकटक मिट व RTRWHS बनाए जाए।
 - 4) खेती में ड्रिप विधि से धान की बुवाई की व्यवस्था की जाए।
 - 5) खेती में फसल अवशेष प्रबंधक का व्यवस्था की जाये।
- अपेक्षा कार्य को जल सुरक्षा योजना को परित किया गया और सभी कार्य करवाये जाए। इन कार्यों के लिए ग्राम पंचायत जल एवं स्वच्छता समिति का बैठक में सभी सदस्यों को सूचना से पुस्तक परित किया।

RESOLUTIONDate 27/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat Stari Block/Taluk/Mandal Sarswati 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 27/02/24.

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>Mandu</u>	<u>सरपंच मन्दी</u> ग्राम पंचायत सवरी खंड सरस्वती नगर यमुनानगर
2	Gram Panchayat Secretary	<u>Jasvinder Singh</u>	<u>JS</u>

ATTENDANCE SHEET

Gram Panchyat:-

SATARI

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	manju	F	Gen	Sarpanch	Yes	V.V.S.C	7644000074	manju
2	santosh	F	BC	H.W	Yes	V.W.S.C	9416778474	santosh
3	Bakli	F	BC	Panch	Yes	V.W.S.C	9991853972	admit
4	Jurnal Singh	M	Gen	Panch	Yes	V.V.S.C	9915279374	Jurnal Singh
5	Anju wari	F	SC	Helper	Yes	V.W.S.C	8705523396	Anjodex
6	Rashmi	F	SC	Panch	Yes	V.V.S.C	9671010579	Rashmi
7	Vishal	M	BC	operator	Yes	V.W.S.C	9039018113	Vishal
8	Wansudyal	M	BC	Farmer	Yes	V.W.S.C	9416926625	Wansudyal
9	Mohit Kumar	M	BC	Farmer	Yes	V.W.S.C	8930360707	Mohit
10	Sukhdev Singh	M	Gen	Farmer	Yes	V.W.S.C	9050403349	Sukhdev Singh
11	Wahin wari	F	SC	Teacher	Yes	V.W.S.C	9671450521	Wahin
12	Rakesh	M	SC	Student	Yes	V.W.S.C	9991306520	Rakesh
13	Rajal	F	SC	Panch	Yes	V.W.S.C	3930136742	Rajal
14	Schin Kumar	M	SC	Farmer	Yes	V.V.S.C	8814972874	Schin
15	Guraho wari	F	SC	H.W	No	-	991064894	Guraho
16	Wari Singh	M	BC	Farmer	No	-	9912921209	Wari Singh
17	Sukha Dev	M	BC	Farmer	No	-	905403343	Sukha

ATTENDANCE SHEET

Gram Panchyat:- "Stani"

Meeting :-

BLOCK : Saraswati nagar DISTRICT:-Yamuna Nagar

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