

Water Security Plan Report

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

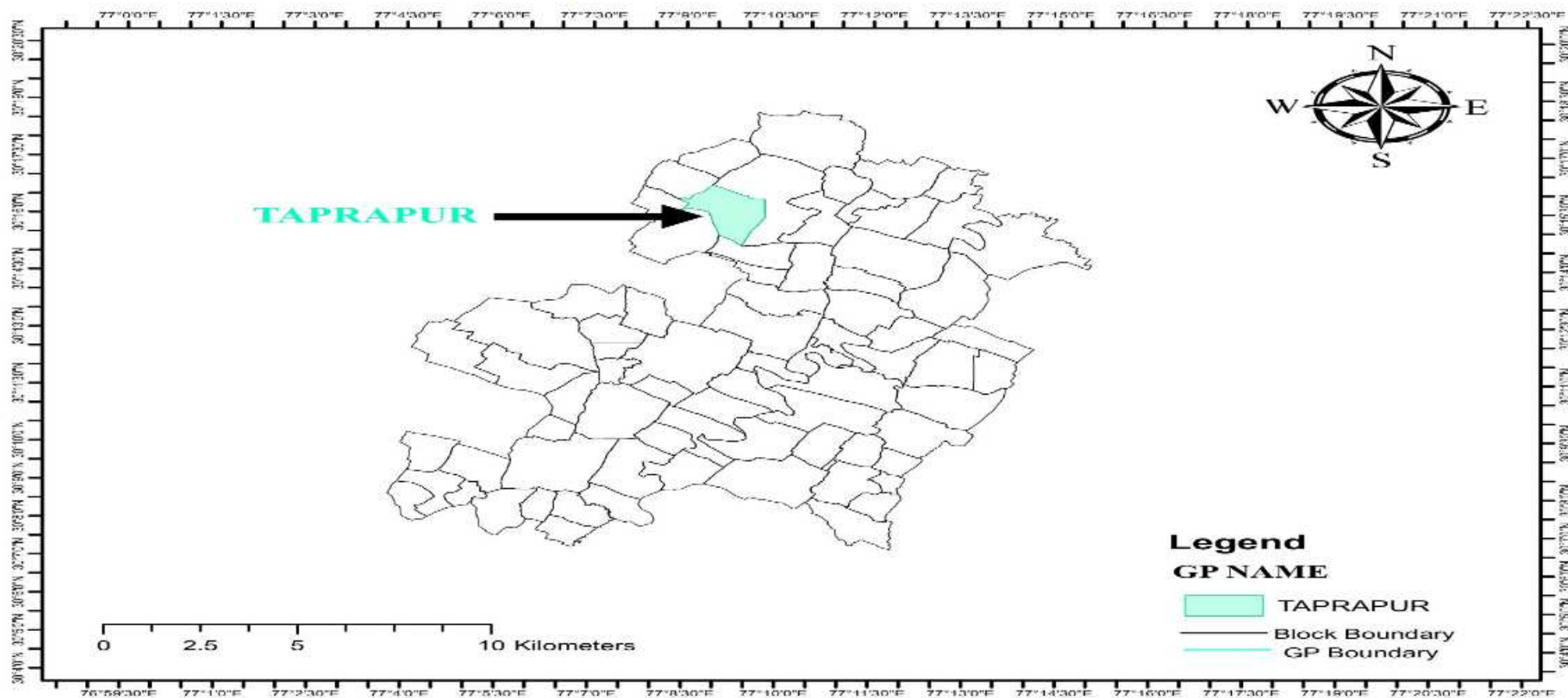
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: TAPRAPUR_265255 » YEAR: 2024-25 »

Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Taprapur_265255
GP ID :	265255	Block Area (Ha) :	20267.2000
GP area (Ha) :	328.1400	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

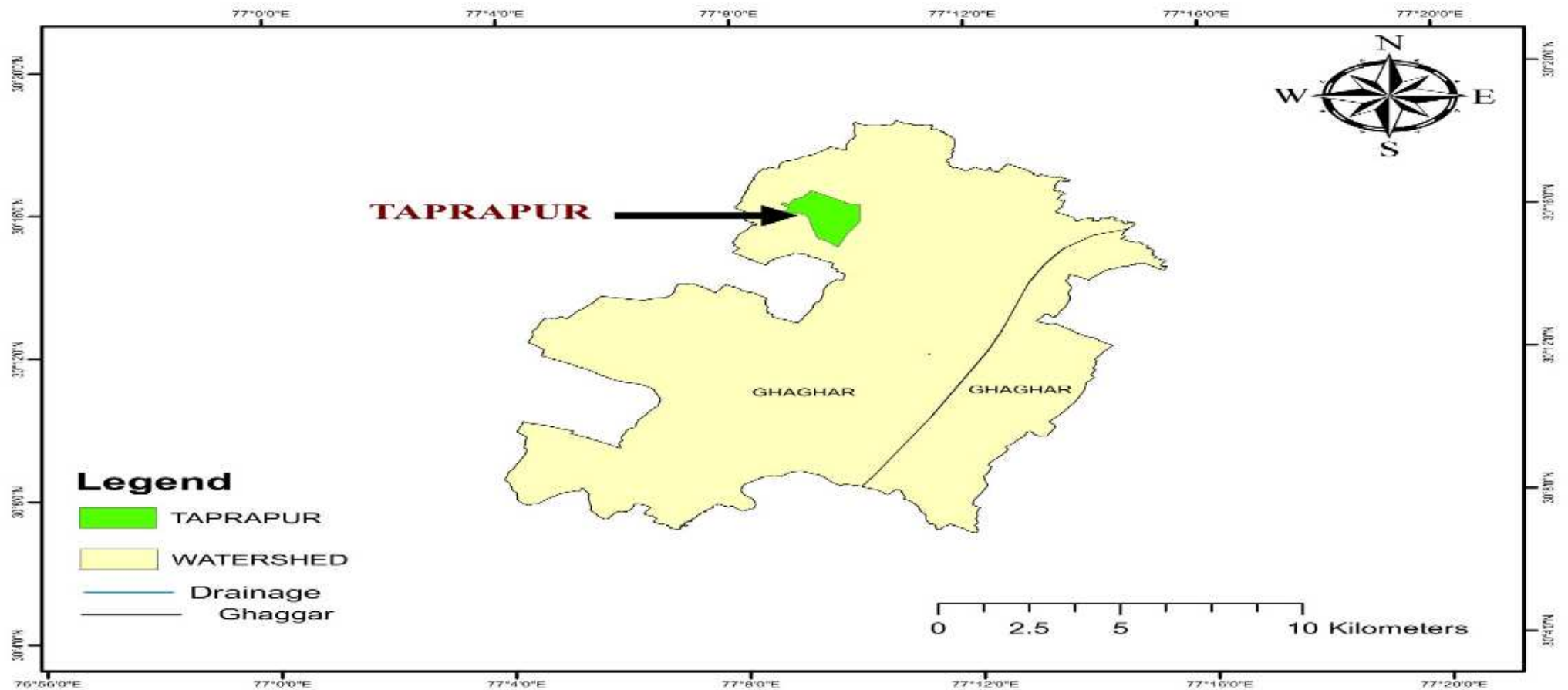
Location Map

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



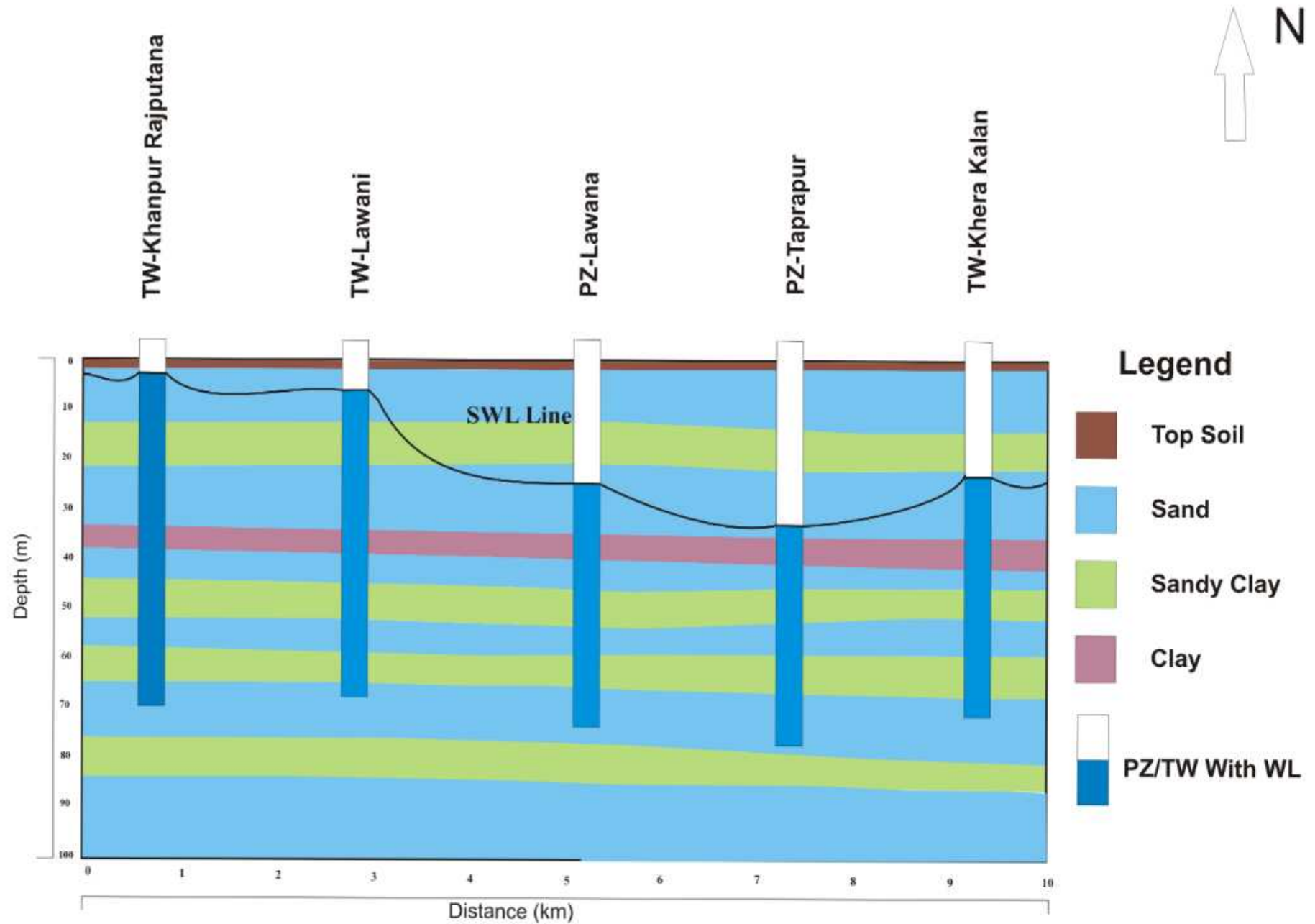
Watershed Map

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



Aquifer Map

Aquifer Map of Khanpur Rajputana, Lawana, Lawani , Taprapur, Khera Kalan 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	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	29.86	2024-02-17
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	29.90	2024-01-22
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	30.20	2023-12-26
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	30.71	2023-11-29
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	30.80	2023-10-30
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	30.90	2023-09-29
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	31.10	2023-08-29
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	32.65	2023-07-30
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	32.55	2023-06-29
	Taprapur	Cementry	30.2729	77.15369	2023-05-24	265255-001	Tube Well		Private		0.2000	70.12	0.60	31.80	2023-05-24
2	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	41.22	2024-02-17
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	41.60	2024-01-22
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	41.80	2023-12-02
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	41.62	2023-10-29

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
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	41.77	2023-09-29
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	41.67	2023-08-29
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	42.44	2023-07-29
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	44.53	2023-06-29
	Taprapur	Shamsham ghat	30.26976	77.14937	2023-06-01	265255-002	Piezometer		Government	SGWB	0.1000	76.00	0.50	43.8	2023-05-27
3	Taprapur	Near cemetery	30.26984	77.14932	2024-01-18	703457-003	Tube Well		Private		0.2000	40.00	0.10	2.54	2024-02-17
	Taprapur	Near cemetery	30.26984	77.14932	2024-01-18	703457-003	Tube Well		Private		0.2000	40.00	0.10	2.60	2024-01-18

Ground Water Quality

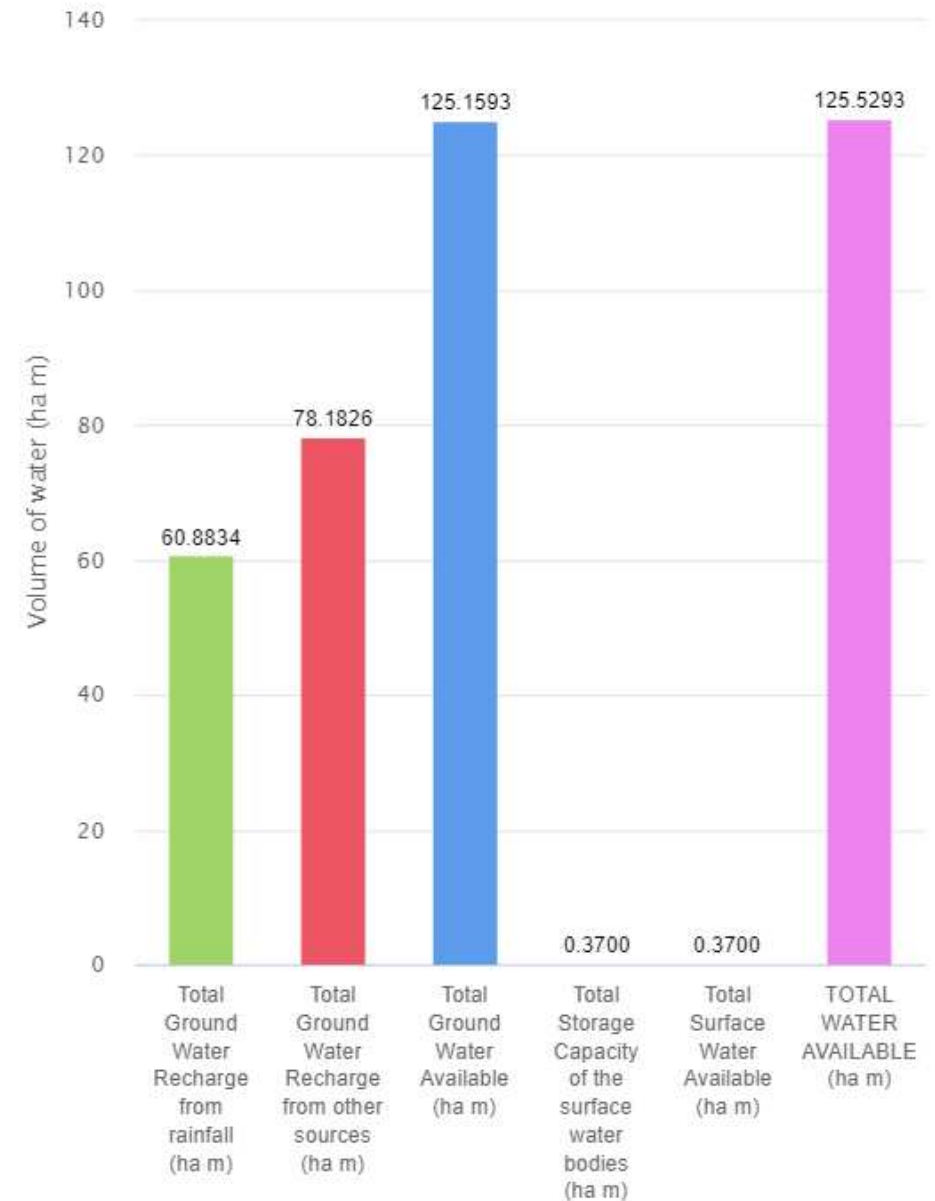
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Taprapur	Taprapur	30.273966	77.155319	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Taprapur_001
2	Taprapur	Taprapur	30.267731	77.152832	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Taprapur_002
3	Kalawar	Kalawar	30.268089	77.166779	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Kalawar_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_ Taprapur _001	110	UNCONFINED	7.8	780	475	169	36	19.2	31	0.8	0	256	46	52	0.45	6.5
2	ABY_YMR_S NAGAR_ Taprapur _002	98	UNCONFINED	8.1	643	392	138	28	16.5	19.6	0.9	24	256	28	42	0.41	5.6
3	ABY_YMR_S NAGAR_ Kalawar _001	113	UNCONFINED	7.9	772	465	186	32.5	25.5	26.8	0.5	0	226	32.8	123	0.66	3.54

Water Availability Report

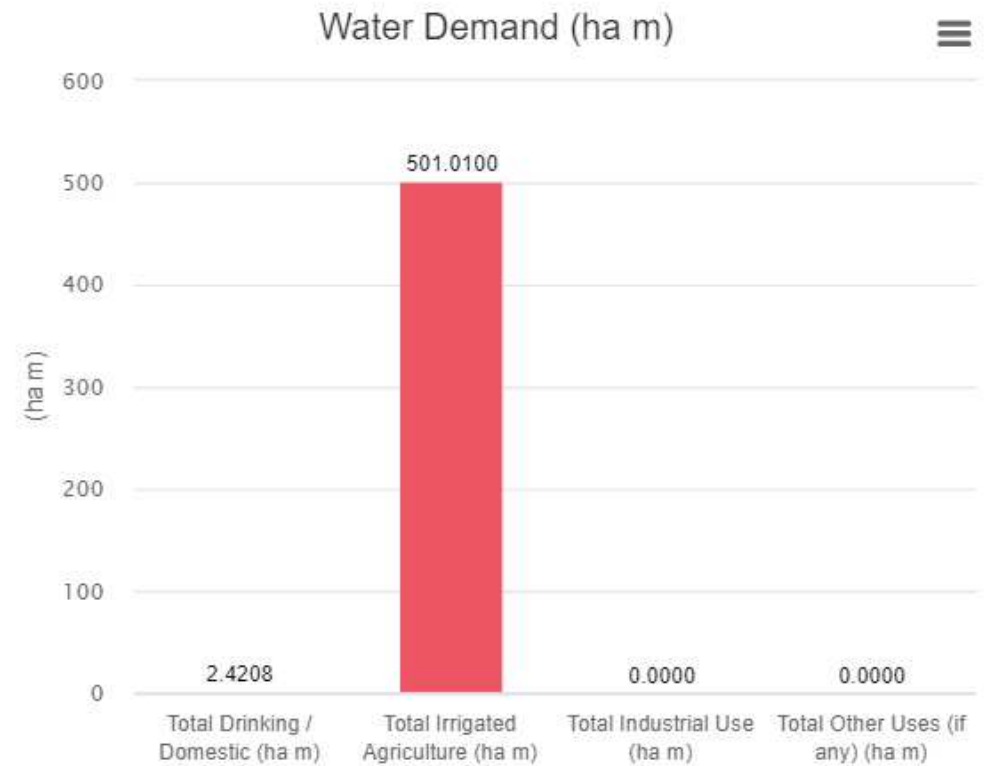
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	585.9727
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	147.5810
e.	Estimated Water Available From Rainfall (ha m)	438.3917
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	131.5175
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	48.8162
(ii)	Non-Monsoon	12.0672
	Total Ground Water Recharge from rainfall (ha m)	60.8834
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	45.2577
(ii)	Non-Monsoon	32.9249
	Total Ground Water Recharge from other sources (ha m)	78.1826
c.	Losses Due to Natural Discharge (ha m)	13.9067
	Total Ground Water Available (ha m)	125.1593
d.	Ground Water Withdrawal (ha m)	252.3724
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	0.37
	Total Storage Capacity of the surface water bodies (ha m)	0.3700
(ii)	Losses if Any (%)	
(iii)	Surface Water Available in Storages (ha m)	0.3700
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.3700
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	125.5293

Water Availability (ha m)



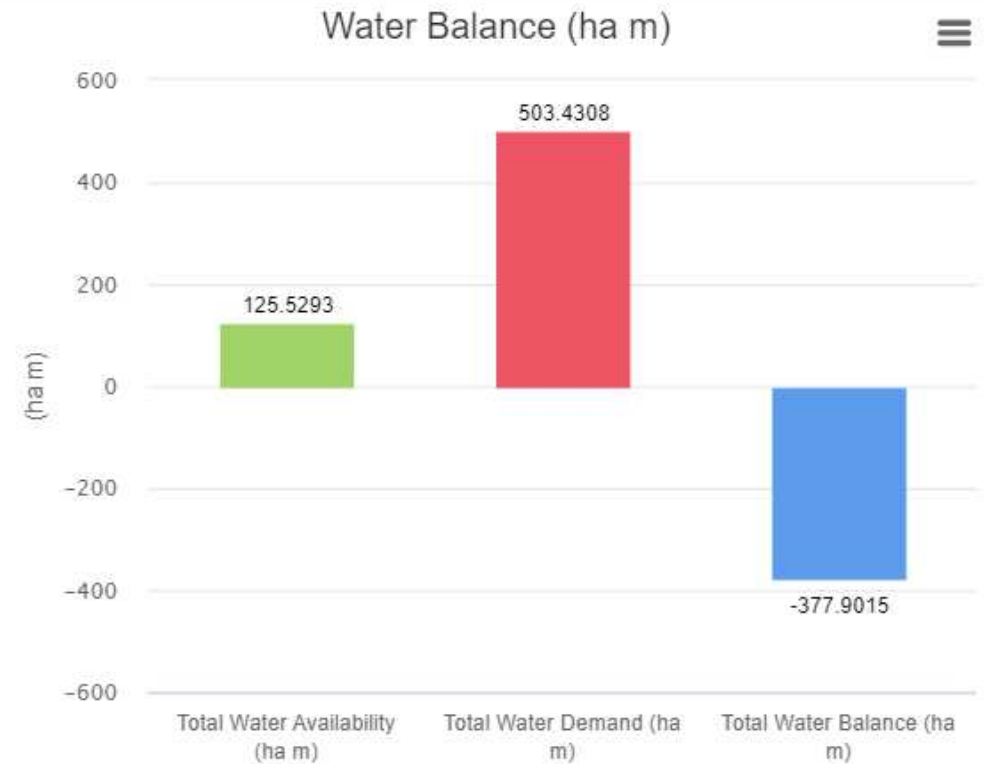
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.1171
ii)	From Ground Water	2.3037
	Total Drinking /Domestic (ha m)	2.4208
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	501.0100
	Total Irrigated Agriculture (ha m)	501.0100
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	125.1593
ii)	Total Surface Water Available	0.3700
	Total Water Availability (ha m)	125.5293
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.1171
ii)	Total Ground Water Demand	503.3137
	Total Water Demand	503.4308
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-378.1544
ii)	Total Surface Water Balance	0.2529
	Total Water Balance	-377.9015



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	623.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	860.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	1.7265
II Livestock	
i) Present livestock population	261.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	346.0000
v) Average per capita requirement (L)	122.9042
vi) Projected water requirement for livestock (as in 2050) (ha m)	1.5522
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)	3.2787
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)	3.2787
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	121.8806
ii) Surface water	0.3700
iii) Total water available for future irrigation	122.2506

Projected Water Budget for future use (for year 2050)

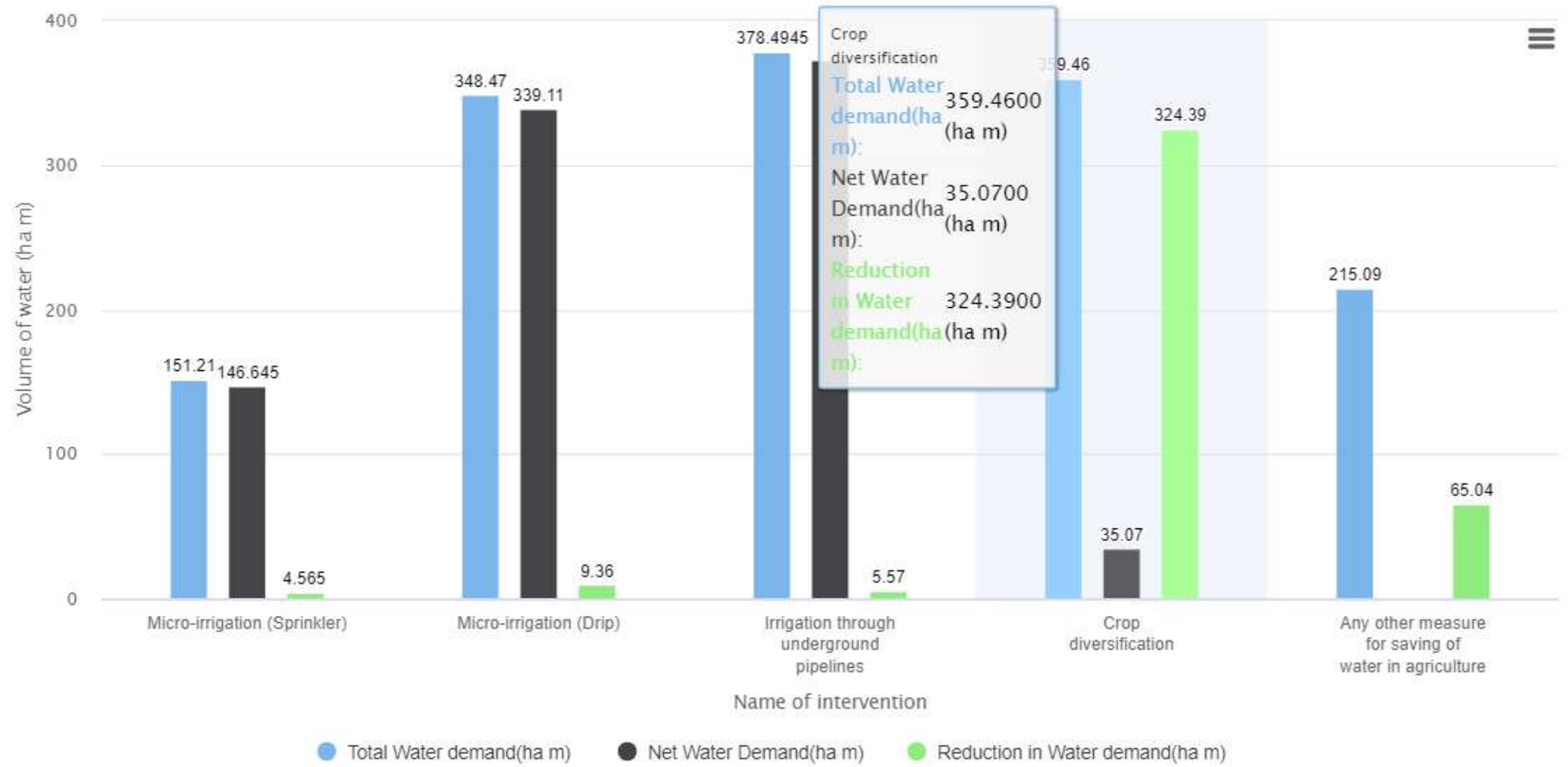


Demand Side

Total Area under Conventional Irrigation (ha) : 554.4799999999999

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	29.0000	151.2100	146.6450	4.5650	32.4800
2	Drip	20.0000	348.4700	339.1100	9.3600	30.6000
3	Pipelines	40.0000	378.4945	372.9245	5.5700	10.0000
4	Crop Diversification	69	359.4600	35.0700	324.3900	11.9300
5	Other Measures	228.0000	215.0900	--	65.0400	16.4000
	Total	386.0000	1452.7245	893.7495	408.9250	101.4100

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	92	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	3.4
2	Crop Diversification	19	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.28
3	Crop Diversification	50	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	8.65
4	Other Measures	4	2024-25	Department of Horticulture	Other	4
5	Sprinkler	29	2024-25	MICADA	PMKSY(Per Drop More Crop)	32.48
6	Drip	20	2024-25	MICADA	PMKSY(Per Drop More Crop)	30.6
7	UG Pipelines	40	2024-25	Agriculture & Farmer Welfare Department	Other	10
8	Other Measures	76	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	7.6
9	Other Measures	56	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.4
	Total	386				101.4100

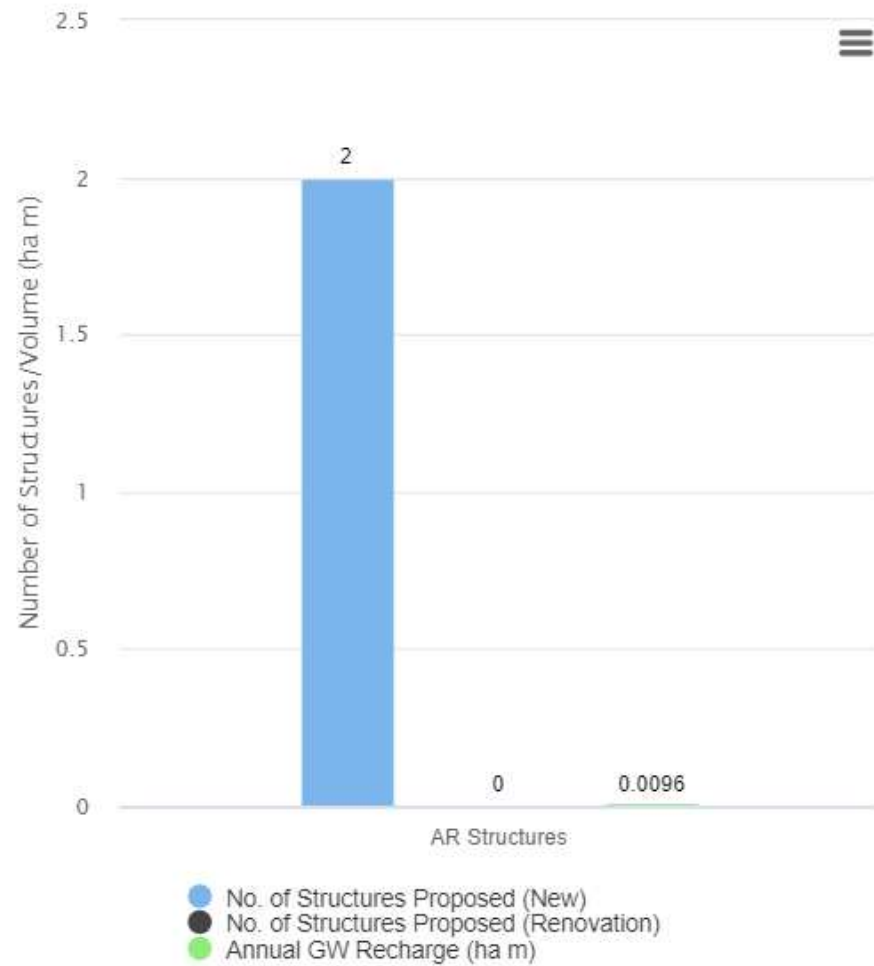


Supply Side

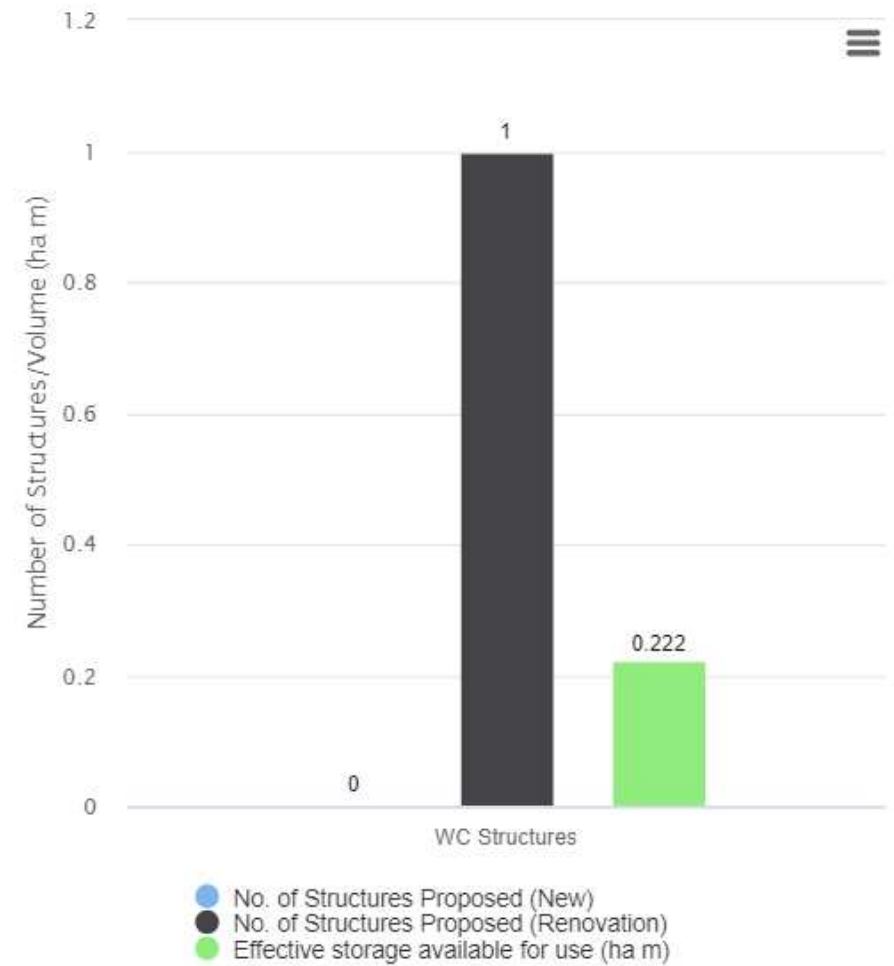
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Recharge Pit And Shaft(New)	0.0018	0.002700	Taprapur (351)	30.2712	77.1534	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	Injection Wells/ Recharge Wells(New)	0.00231	0.0069300	Taprapur (351)	30.2712	77.1531	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)	0.37	0.222	Taprapur (351)	30.2706	77.1533	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	5.13
	Total	0.3700	0.2220							5.1300

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)

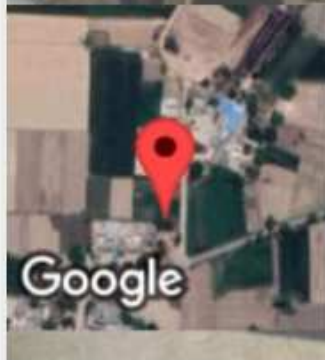


PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	SUMAN LATA	MEMBER	Female	8708526773
2	RISHI PAL	MEMBER	Male	9991462509
3	SANJAY	MEMBER	Male	9813318866
4	RAKESH KUMAR	MEMBER	Male	8529548288
5	MEHAR CHAND	MEMBER	Male	9671260567
6	SANKAR	GRAM SACHIV	Male	9991201202
7	POOJA RANI	CHAIRPERSON	Female	9050386025
8	NAVESH KAUR	MEMBER	Female	9991362134
9	PARAMJEET KAUR	MEMBER	Female	7027624604
10	KAMAL BAKSHI	JE PHED	Male	8761913142
11	MANPREET KAUR	MEMBER	Female	9991227127
12	KUSUM LATA	CHAIRPERSON	Female	9813786918
13	RAJ KUMAR	JE	Male	9729203036
14	RAJNI SAINI	MEMBER	Female	9050152581
15	SHIV CHARAN	MEMBER	Male	9416880021
16	SHKUNTALA	MEMBER	Female	9466302105

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	Taprapur_265255	2024-02-06	Taprapur_265255	Taprapur (351)	Anganwadi	13	10	0	23

Photograph



Taprapur, Haryana, India

Village Taprapur Post Office Kalawad, Taprapur Village, Haryana 133103, India

Lat 30.272121°

Long 77.155572°

06/02/24 01:47 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 Tabraipur 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: Talhapur

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Jal Saheli Baithak Lat. No. 30.272121°

Long No. नन. 155572°

Date: 06/02/2024

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

अटल भूजल योजना की अंतर्गत आज दिनांक 06/02/24 को ग्राम पंचायत Talhapur में सत्रप श्री। लीमरी कुमुदलता की अध्यक्षता में ग्राम पंचायत जल एवं स्वच्छता समीति की बैठक का आयोजन किया गया। बैठक में सत्रप किसान अरवि शर्मा जी ने भाग लिया इस बैठक में निम्नलिखित मुद्दों पर चर्चा की गई।

1. ग्राम पंचायत में पीछे का पुनर्निर्माण किया जाये।

2. किसानों के खेतों में ड्रिप और फुवारे सिंचन बिजली लगायी जाये।

3. ग्राम पंचायत में स्कूल या बर्मबाल में डीकेज पिट व soak pit बनवाये जायें।

4. खेतों में ISK बिजली से पानी की बुवाई की व्यवस्था की जायें।

5. खेतों में फसल अवशेष प्रबंधन की व्यवस्था की जायें।

उपरोक्त कार्यों को जल सुरक्षा योजना में पारित किया गया अरवि ने सभी कार्यों को जल सुरक्षा कक्षार्थे जायें इन सभी कार्यों को लेकर ग्राम पंचायत जल एवं स्वच्छता समीति की बैठक में सभी सदस्यों की सहमति से उद्घाटन पारित किया गया।

ANNEXURE III

RESOLUTION

Date: 06/02/2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat.....Tapra pur
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 06/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Kusum Lata	Kusum Lata सरपंच ग्राम पंचायत, तपड़ा पुर संस्थान, सारस्वती नगर (यमुना नगर)
2	Gram Panchayat Secretary	Poomam	Poomam

ATTENDANCE SHEET

Gram Panchyat:-

: Tabraapur

Meeting :- Talsaheli Baitthak

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	Kusum Lata	F	SC	Sanpach	Yes	V.V.S.C	9813796918	Kusum Lata
2	Pooja Rani	F	BC	Panch	Yes	V.V.S.C	9050396025	Pooja Rani
3	Rejini Saini	F	BC	Panch	Yes	V.V.S.C	9050152581	Rejini Saini
4	Naveesh Kour	F	BC	A.W.W	Yes	V.V.S.C	9991362134	Naveesh Kour
5	Parmjeet Kour	F	BC	A.W.W	Yes	V.V.S.C	7027624604	परमजीत
6	Sumon Lata	F	SC	H.W	Yes	V.V.S.C	9708556779	सुमन लता
7	Shi Vikram	M	BC	Partner	Yes	V.V.S.C	946590021	Shi Vikram
8	Manpreet Kour	F	BC	Panch	Yes	V.V.S.C	999122712	मनप्रीत
9	Rishi Pal	M	SC	operator	Yes	V.V.S.C	9991462509	Rishi Pal
10	Sanjay	M	BC	Farmer	Yes	V.V.S.C	9813311556	Sanjay
11	Rajesh	M	BC	Farmer	Yes	V.V.S.C	9529548255	Rajesh
12	MHER CHAND	M	SC	Sweeper	Yes	V.V.S.C	9671260567	Mahar Chand
13	Sankhanta	F	SC	Panch	Yes	V.V.S.C	9466302105	शंखन्ता
14	Sohia	F	BC	Talsaheli	Yes	V.V.S.C	8814919225	Sohia
15	Sanjay Saini	M	BC	Farmer	No	-	9991638641	Sanjay Saini
16	Ram Anjan	M	BC	"	No	-	9991582299	Ram Anjan
17	Gurdev Singh	M	BC	"	No	-	999119225	Gurdev Singh

ATTENDANCE SHEET

Gram Panchyat:- Taptapur Meeting :- Jal Saheli Raithak BLOCK : Saraswati nagar DISTRICT:-Yamuna Nagar

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