

Water Security Plan Report

[Click Here For Upload WSP](#)

Date : 30/ 03/ 2024 Time : 12:04 PM User Name : SPMU_Haryana_6

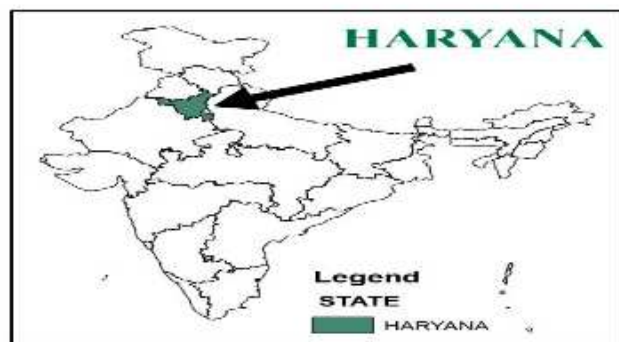
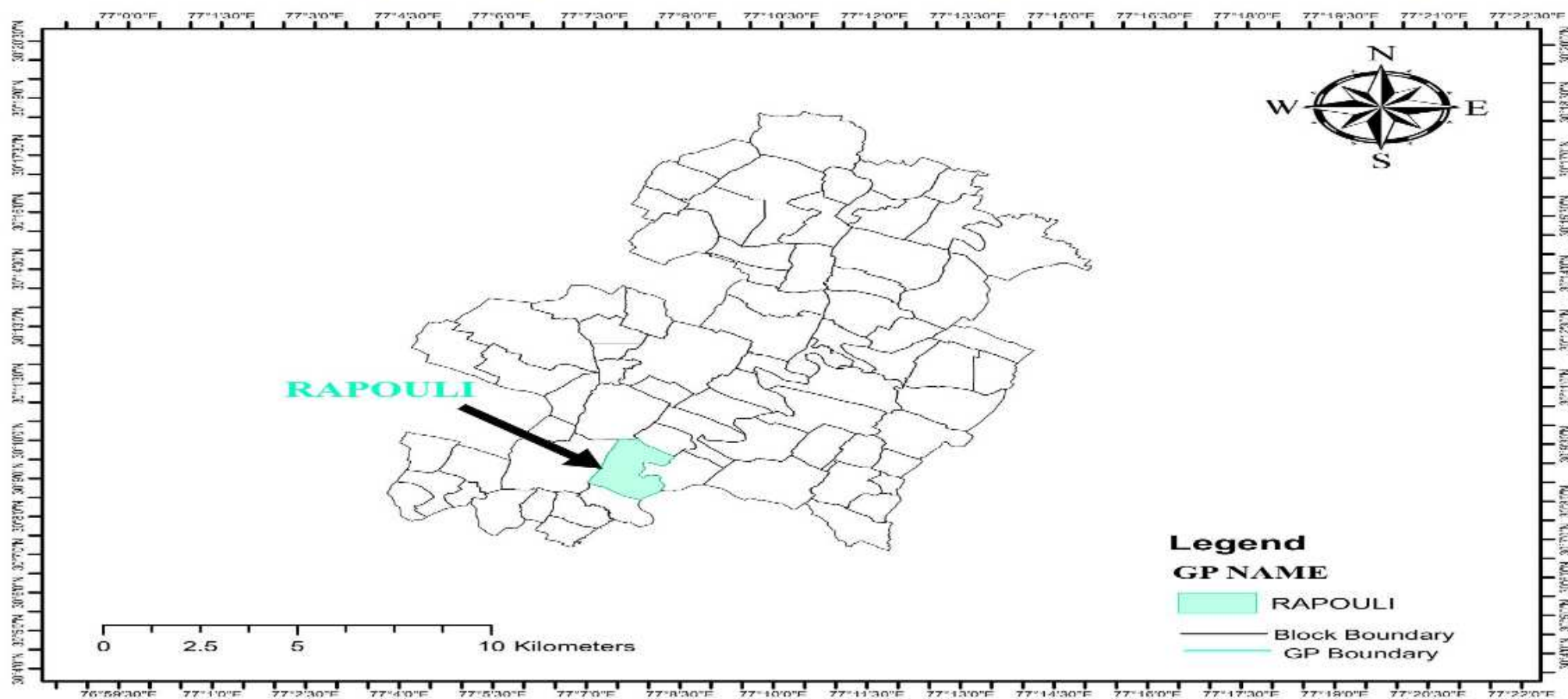
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: RAPOULI_33467 » YEAR: 2024-25 »

Gram Panchayat Information

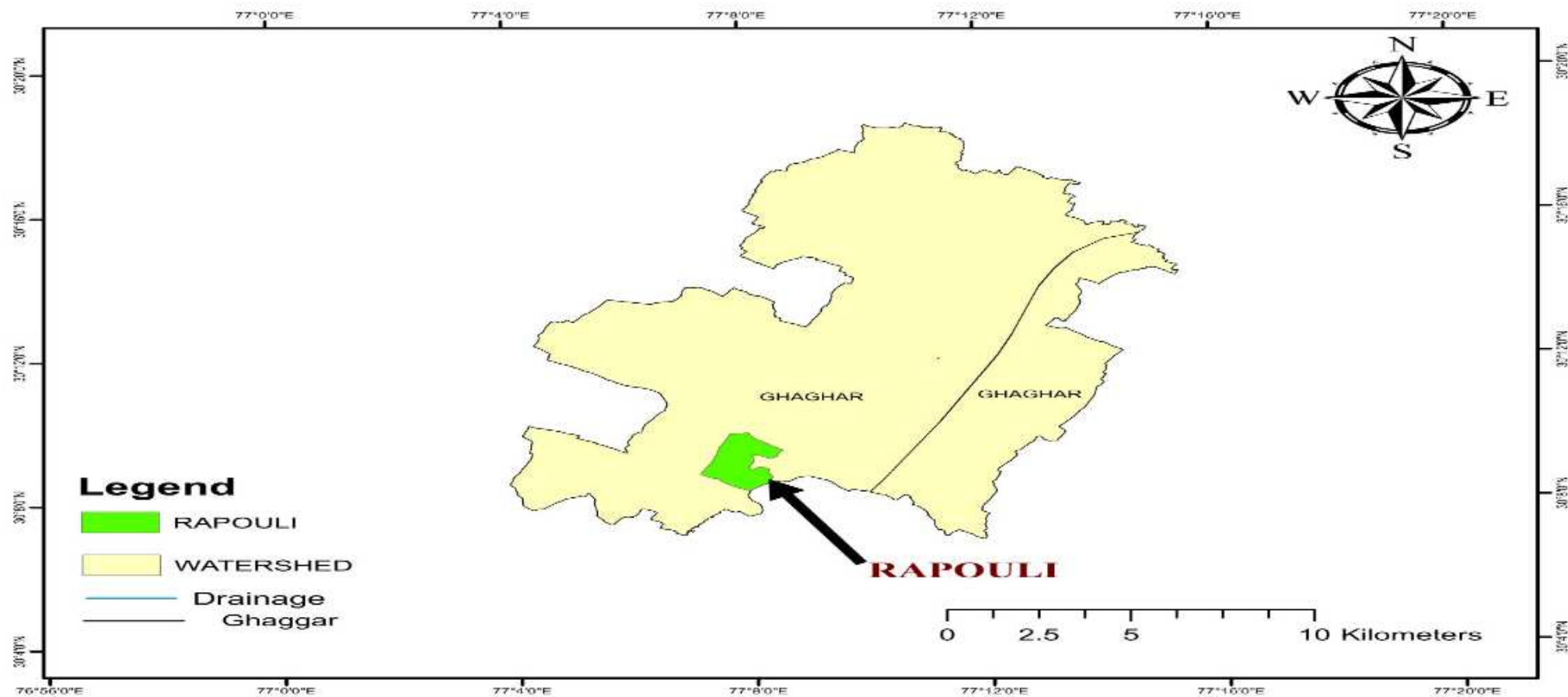
State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Rapouli_33467
GP ID :	33467	Block Area (Ha) :	20267.2000
GP area (Ha) :	358.8000	Watershed Code :	GHGR003
Watershed name :	SARASWATI	Watershed area in Block / Taluk (Ha) :	240587.09
Sub-basin Code :	1	Sub basin name :	Ghaghar and Others
Basin Code :	11	Basin Name :	Ghaghar

Location Map

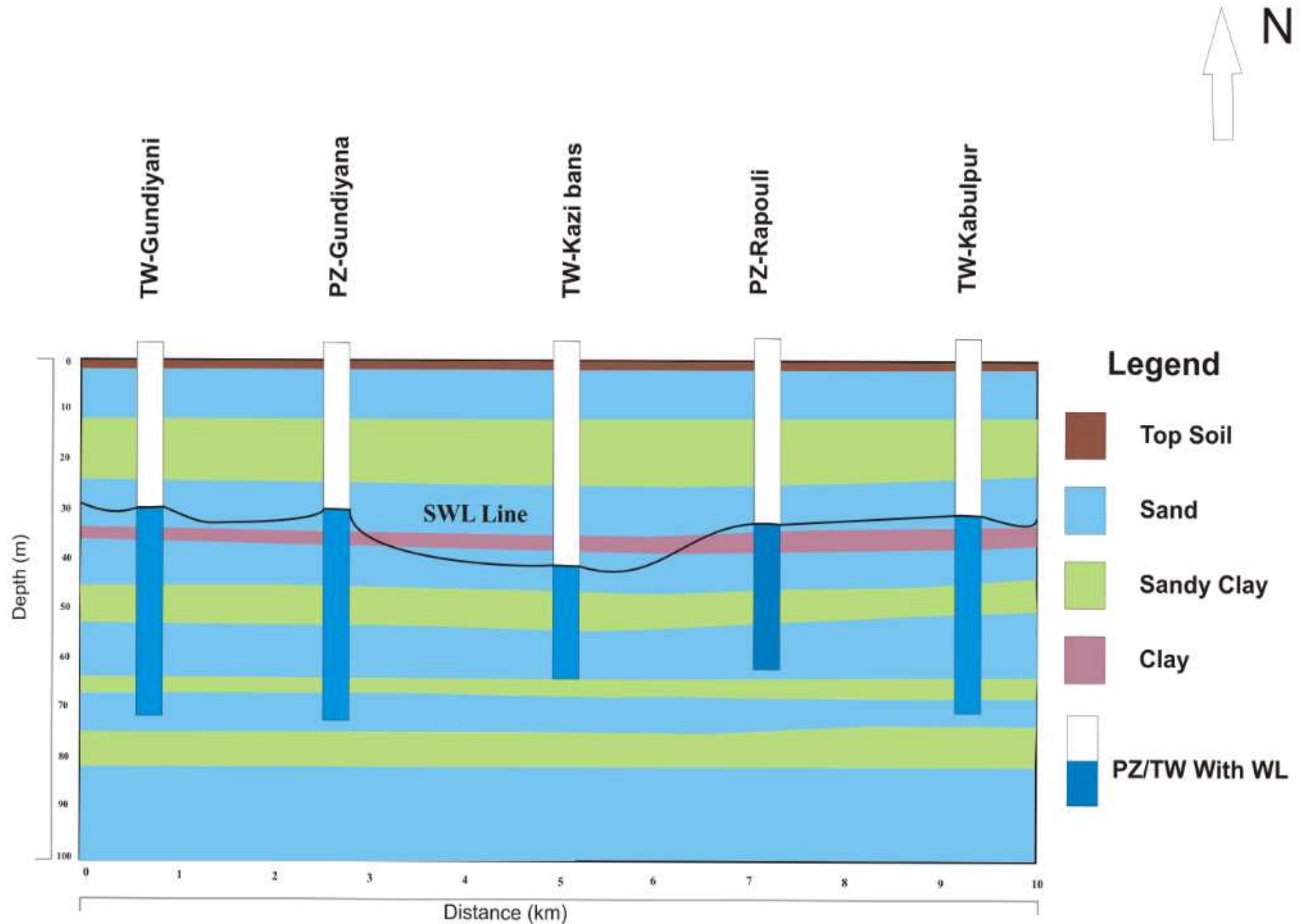
Location Map : GP Rapouli, Block Saraswati Nagar, District Yamunanagar



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



Aquifer Map of Gundiyani, Gundiya, Rapouli, Kazi Bans, Kabulpur 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	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.34	2024-02-16
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.40	2024-01-11
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.72	2023-12-24
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	33.01	2023-11-30
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	33.53	2023-10-27
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.8	2023-09-30
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.2	2023-08-30
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.5	2023-07-29
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	33.2	2023-06-29
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.6	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
	Rapouli	Near Gurudwara side	30.15408	77.13267	2023-04-12	033467-001	Tube Well		Private		0.20	72.00	0.10	32.4	2023-04-12
2	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	31.64	2024-02-16
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	30.70	2024-01-15
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	31.58	2023-12-17
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	33.57	2023-10-29
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	33.45	2023-09-29
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	33.31	2023-08-29
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	33.58	2023-07-29
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	34.6	2023-06-29
	Rapouli	Govt school	30.15574	77.13519	2023-05-23	033467-002	Piezometer		Government	SGWB	0.10	76.00	0.50	32.4	2023-05-23
3	Rapouli	Near shitla mata mandir	30.15928	77.13612	2024-01-11	684346-003	Bore Well		Private		0.20	50.00	0.50	31.75	2024-02-16
	Rapouli	Near shitla mata mandir	30.15928	77.13612	2024-01-11	684346-003	Bore Well		Private		0.20	50.00	0.50	31.80	2024-01-11

Ground Water Quality

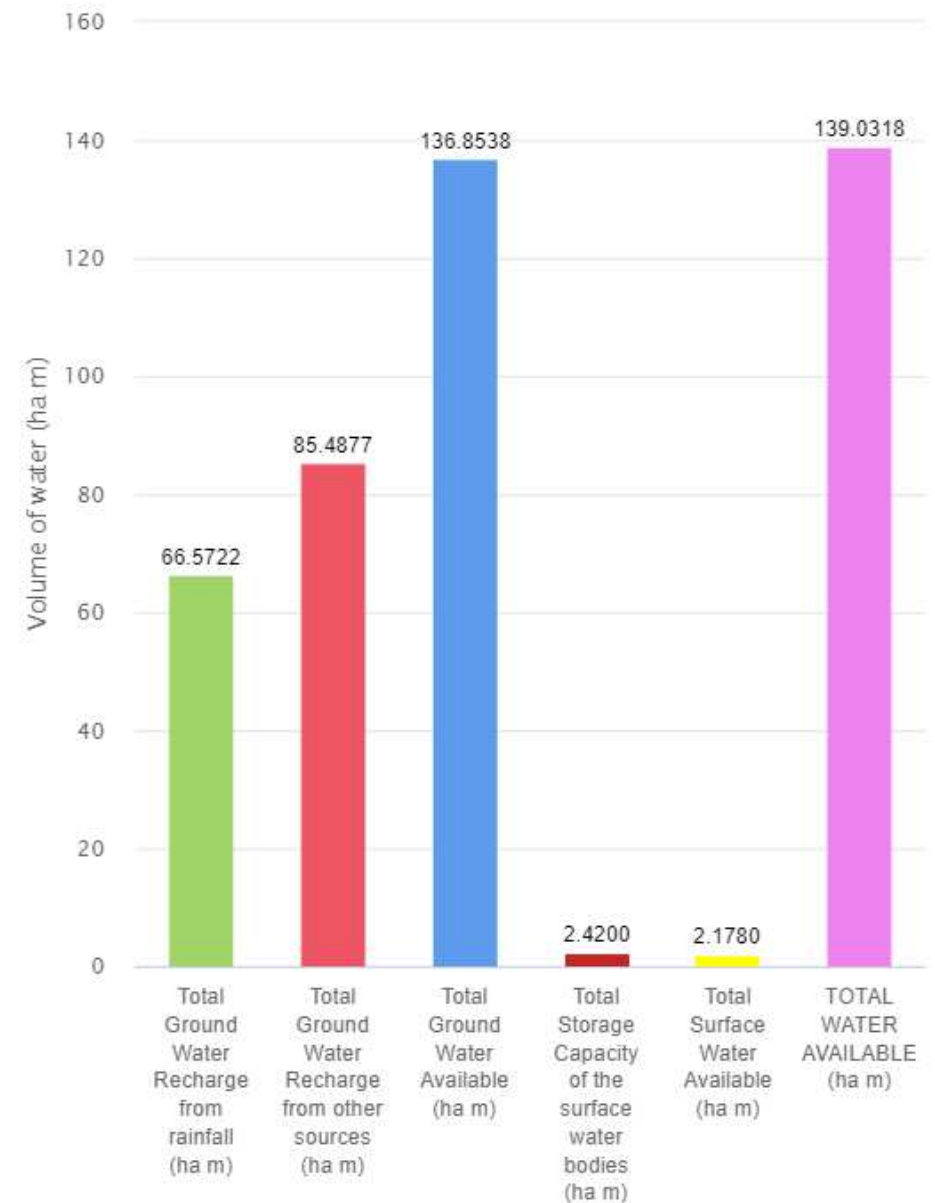
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Rapouli	Rapouli	30.15683	77.13456	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Rapouli _001
2	Rapouli	Rapouli	30.156931	77.138733	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Rapouli _002

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_Rapouli _001	94	UNCONFINED	7.9	600	366	121	25	14.2	33	1	0	182	39	51	0.42	3.96
2	ABY_YMR_S NAGAR_Rapouli _002	88	UNCONFINED	7.4	1079	658	268	46	37.2	70	1.9	0	332	46	54	0.62	9.5

Water Availability Report

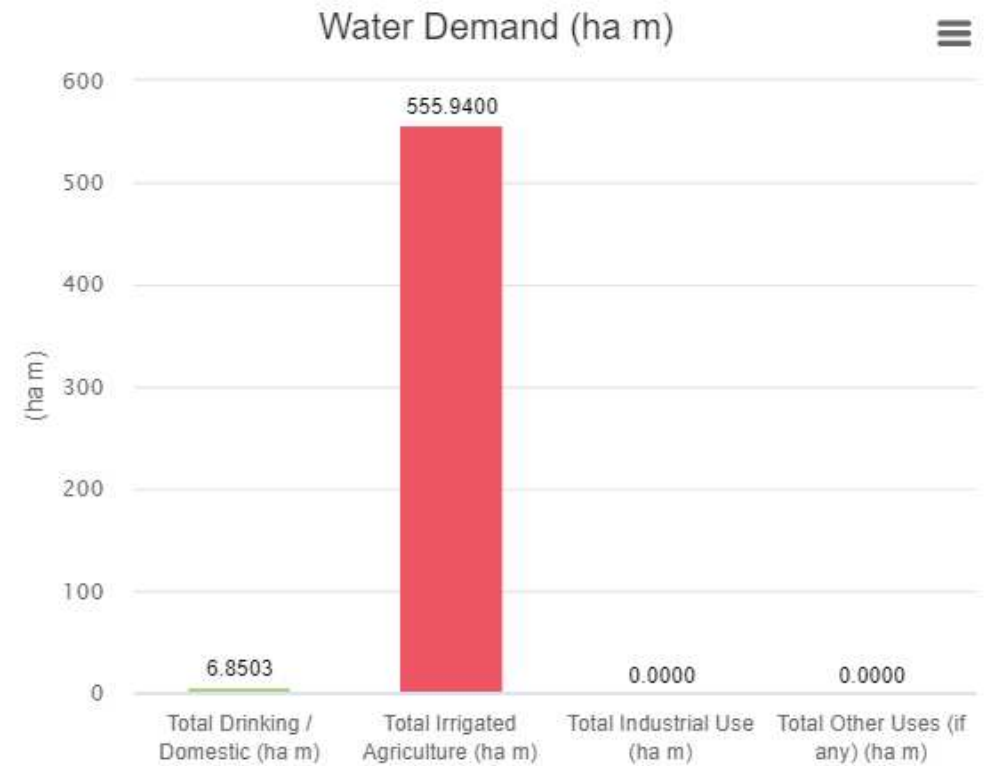
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	640.7235
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	161.3703
e.	Estimated Water Available From Rainfall (ha m)	479.3532
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	143.8060
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	53.3774
(ii)	Non-Monsoon	13.1948
	Total Ground Water Recharge from rainfall (ha m)	66.5722
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	49.4864
(ii)	Non-Monsoon	36.0013
	Total Ground Water Recharge from other sources (ha m)	85.4877
c.	Losses Due to Natural Discharge (ha m)	15.2061
	Total Ground Water Available (ha m)	136.8538
d.	Ground Water Withdrawal (ha m)	275.9530
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	2	2.42
	Total Storage Capacity of the surface water bodies (ha m)	2.4200
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	2.1780
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	2.1780
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	139.0318

Water Availability (ha m)



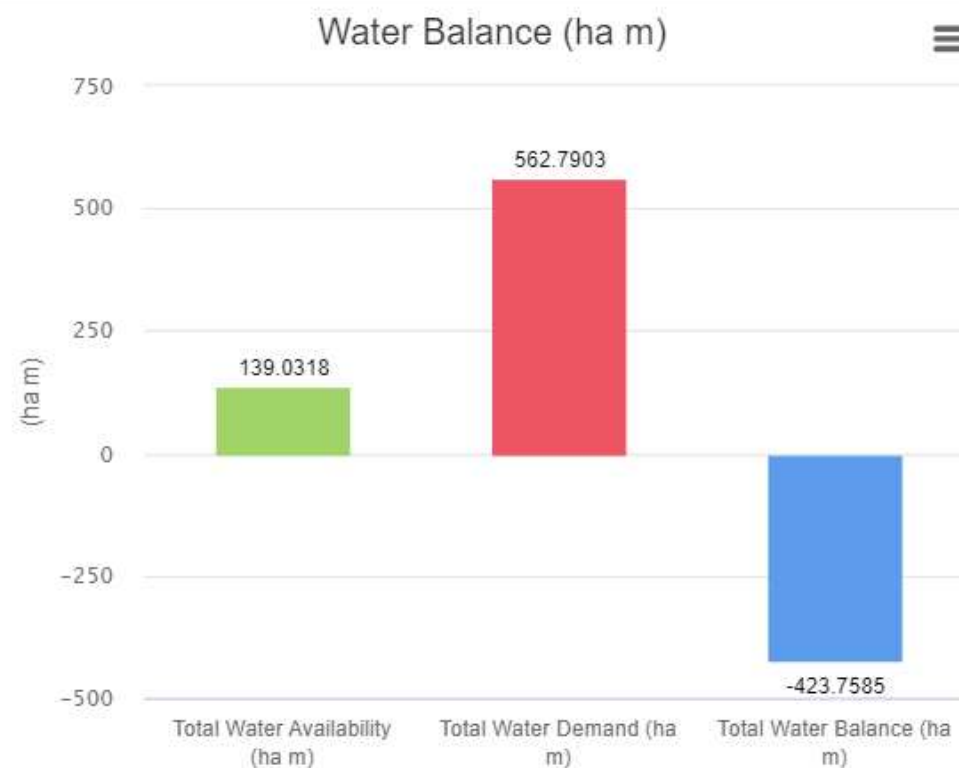
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.2390
ii)	From Ground Water	6.6113
	Total Drinking /Domestic (ha m)	6.8503
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	555.9400
	Total Irrigated Agriculture (ha m)	555.9400
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

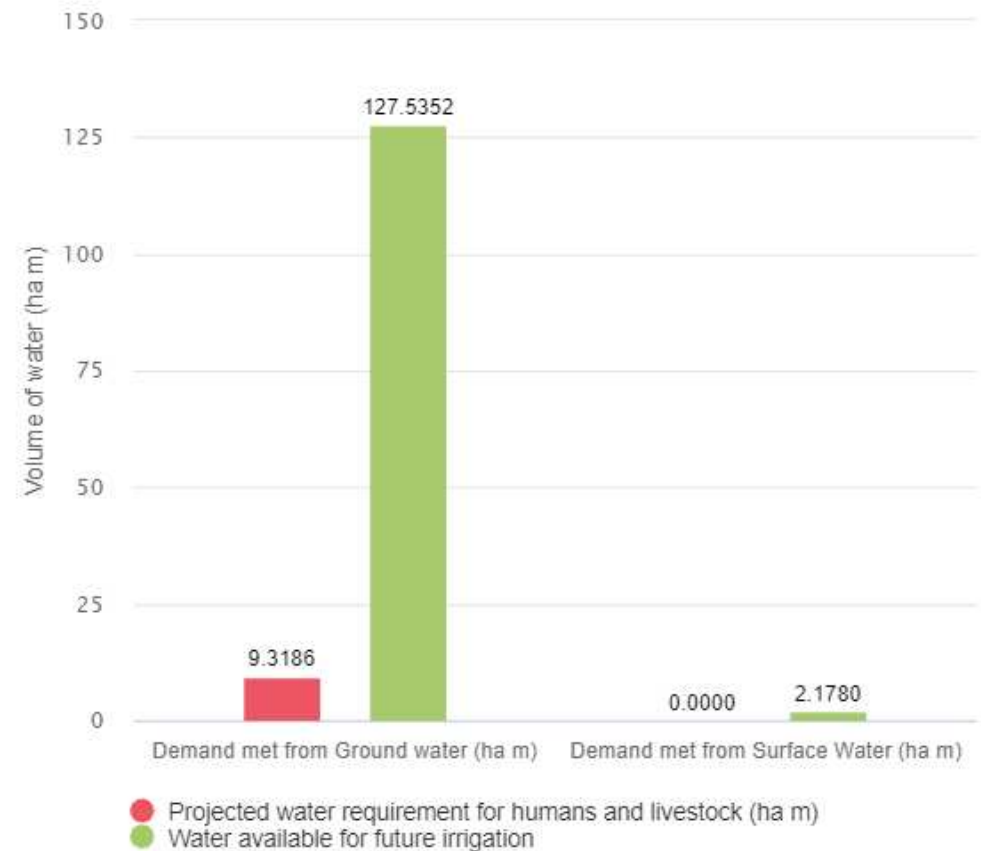
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	136.8538
ii)	Total Surface Water Available	2.1780
	Total Water Availability (ha m)	139.0318
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.2390
ii)	Total Ground Water Demand	562.5513
	Total Water Demand	562.7903
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-425.6975
ii)	Total Surface Water Balance	1.9390
	Total Water Balance	-423.7585



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	2221.0000
ii) Annual population growth rate (r)	1.2000
iii) No. of years	27.0000
iv) Projected human population (as in 2050)	3065.0000
v) Per capita requirement (L)	55.0000
vi) Projected water requirement for humans (as in 2050) (ha m)	6.1530
II Livestock	
i) Present livestock population	521.0000
ii) Annual population growth rate (r)	1.0460
iii) No. of years	27.0000
iv) Projected livestock population (as in 2050)	690.0000
v) Average per capita requirement (L)	125.6948
vi) Projected water requirement for livestock (as in 2050) (ha m)	3.1656
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)	9.3186
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)	9.3186
iv) Demand met from Surface water (ha m)	
C Water available for future irrigation	
i) Ground Water	127.5352
ii) Surface water	2.1780
iii) Total water available for future irrigation	129.7132

Projected Water Budget for future use (for year 2050)

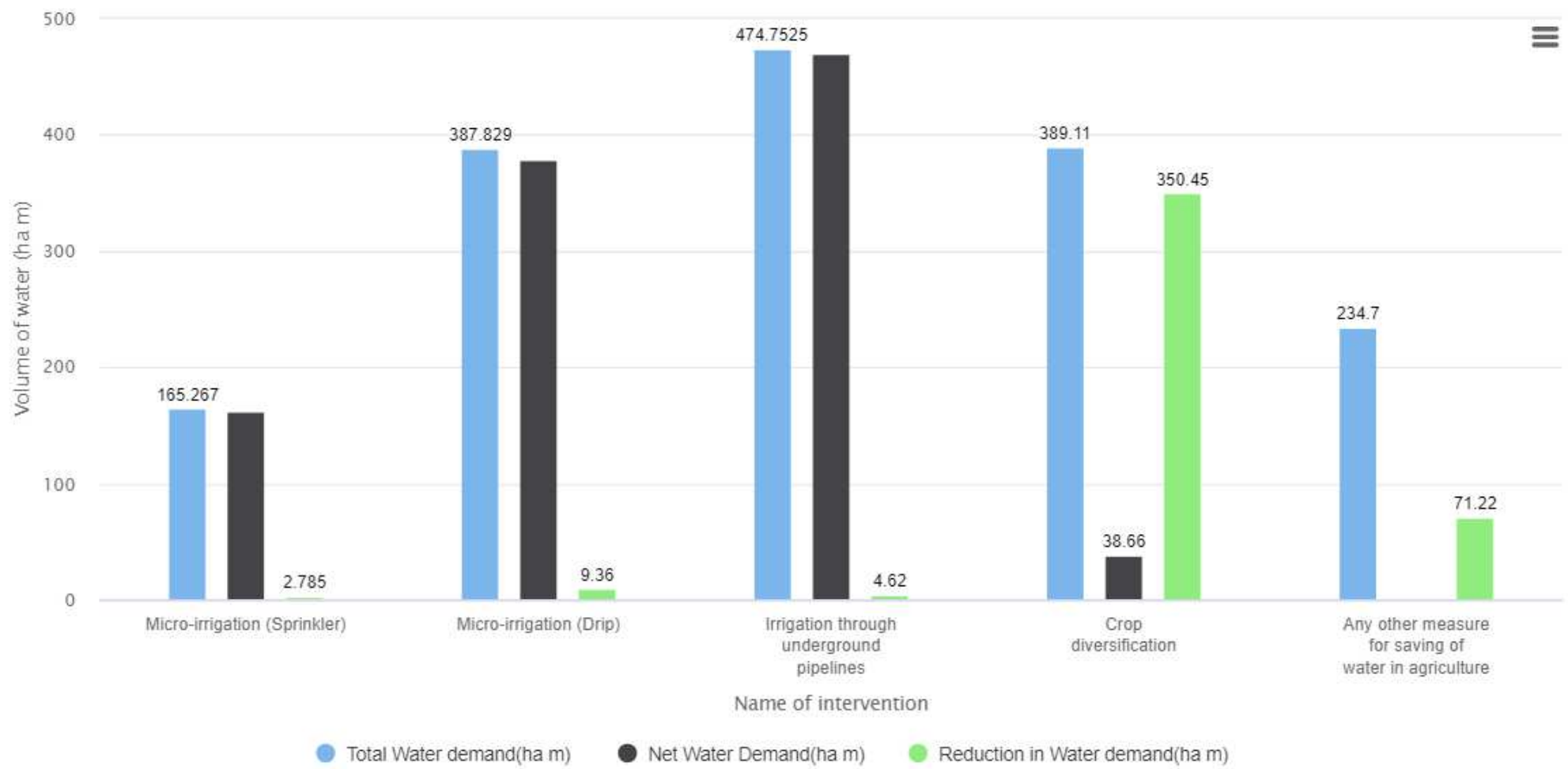


Demand Side

Total Area under Conventional Irrigation (ha) : 630.874

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	18.0000	165.2670	162.4820	2.7850	20.1600
2	Drip	20.0000	387.8290	378.4690	9.3600	30.6000
3	Pipelines	30.0000	474.7525	470.1325	4.6200	7.5000
4	Crop Diversification	72	389.1100	38.6600	350.4500	12.4560
5	Other Measures	265.0000	234.7000	--	71.2200	14.6590
	Total	405.0000	1651.6585	1049.7435	438.4350	85.3750

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	18	2024-25	MICADA	PMKSY(Per Drop More Crop)	20.16
2	Drip	20	2024-25	MICADA	PMKSY(Per Drop More Crop)	30.6
3	UG Pipelines	30	2024-25	Agriculture & Farmer Welfare Department	Other	7.5
4	Other Measures	6	2024-25	Department of Horticulture	Other	0.96
5	Crop Diversification	20	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.46
6	Crop Diversification	52	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	8.996
7	Other Measures	102	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYojan (RKVY)	3.774
8	Other Measures	77	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.925
9	Other Measures	80	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	8
	Total	405				85.3750

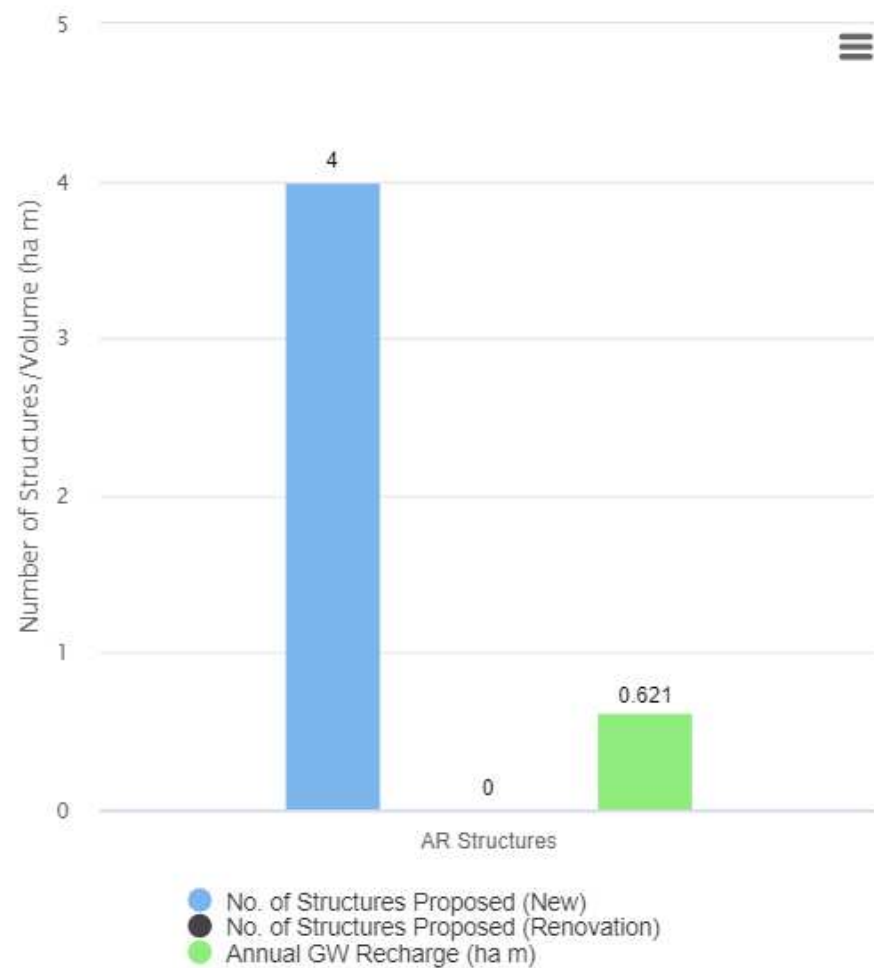


Supply Side

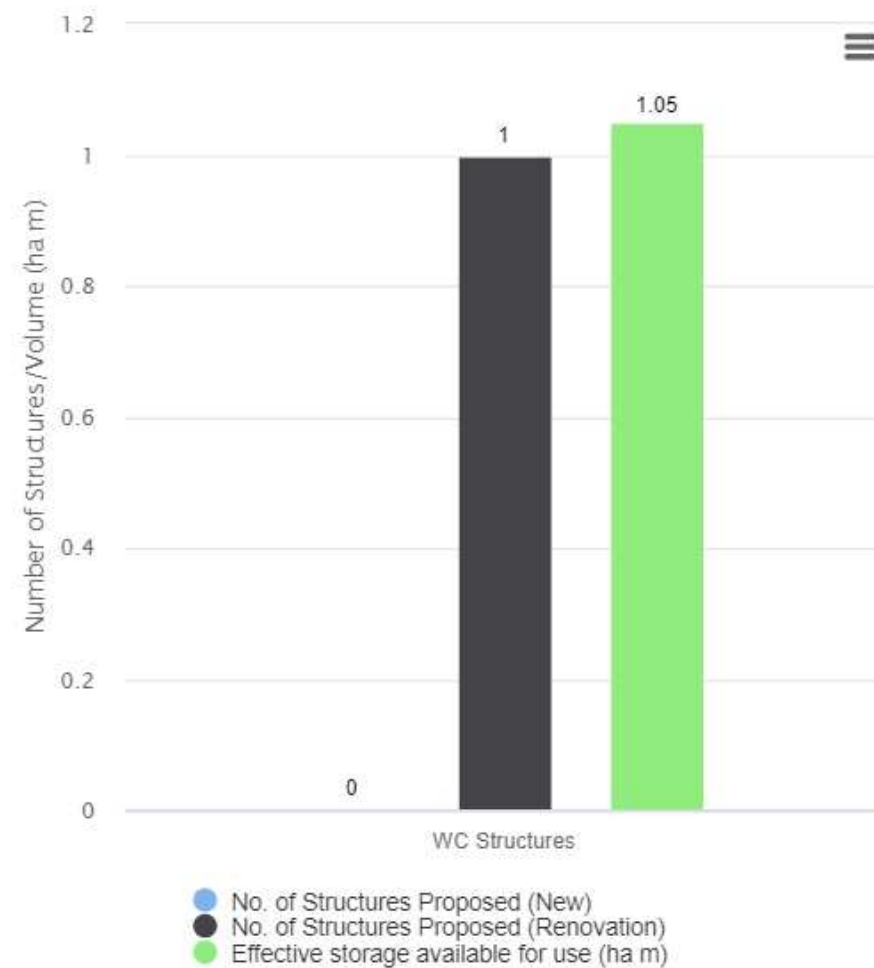
Supply Side (Artificial Recharge Structures)										
SR No	Name of Structure	Storage Capacity(ha m)	Annual GW Recharge(ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
1	Rechage Pit And Shaft(New)	0.0018	0.002700	Rupauli (18)	30.1577	77.1381	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	roof top rain water harvesting system(New)	0.0061	0.018300	Rupauli (18)	30.156	77.135	2024-25	Department of Education	CSR	4.5
3	check Dam (New)	0.2	0.300	Rupauli (18)	30.154714	77.134427	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
4	cHECK DAM (New)	0.2	0.300	Rupauli (18)	30.151891	77.133736	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
	Total	0.4079	0.6210							13.1200

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)	1.75	1.050	Rupauli (18)	30.1586	77.1341	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	24.35
	Total	1.7500	1.0500							24.3500

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	SOHAN LAL	MEMBER	Male	8930136580
2	BABU RAM	MEMBER	Male	7404497573
3	KABAL SINGH	CHAIRPERSON	Male	9812494021
4	VEENA RANI	MEMBER	Female	9728517080
5	POONAM DEVI	MEMBER	Female	8607567157
6	REETA	MEMBER	Female	9306677292
7	SANDEEP	MEMBER	Male	7988099628
8	URMILLA DEVI	MEMBER	Female	8708569250
9	RAJAT KUMAR	MEMBER	Male	9315853224
10	MANISH KUMAR	MEMBER	Male	8059280162
11	RAHUL	JE	Male	8950718884
12	RAMESHWAR DAS	JE PHED	Male	9991110051
13	REENA DEVI	MEMBER	Female	
14	DHARMVEER	MEMBER	Male	9410492795
15	KUNTI DEVI	MEMBER	Female	9813429532
16	SHANKAR	GRAM SACHIV	Male	9991201202

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	Rapouli_33467	2024-02-01	Rapouli_33467	Rupauli (18)	gurudwara sahib	15	10	0	25

Photograph



GPS Map Camera



Uncha Chandana, Haryana, India

544P+765, Rapouli, Uncha Chandana, Haryana 35133, India

Lat 30.156082°

Long 77.135853°

01/02/24 01:35 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 Rapauli 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
Gr. W.E DPMU

Minutes of Meeting

Village Name: Rapouli

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Gusudwara

Lat. No. 30-156082

Long No. 77-135853

Date: 01/02/2024

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

अटल भूजल योजना

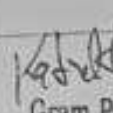
के अंतर्गत आज दिनांक 01-02-2024 को ग्राम पंचायत रापौली में सरपंच श्री कबुल सिंह की अध्यक्षता में ग्राम पंचायत जल एवं स्वच्छता समिति की बैठक का आयोजन किया गया। मीटिंग में सरपंच, किसानों और ग्रामीणों ने भाग लिया। इस बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई:-

- ग्राम पंचायत में जोड़ का पुर्ननिर्माण किया जाए।
- किसानों के खेतों में ड्रिप और फव्वारा सिंचाई विधि लगायी जाए।
- ग्राम पंचायत में स्कूल या दारुशाला में ड्रौकेज पिट या RTRWHS बनवाएं जाए।
- खेतों में JSR विधि से घास की बुवाई की व्यवस्था की जाए।
- खेतों में फसल अवशेष प्रबंधन की व्यवस्था की जाए।

उपरोक्त सभी बिंदुओं पर चर्चा करके सभी उपस्थित लोगों की सहमति से जल सुरक्षा योजना को पारित किया गया।

RESOLUTIONDate: 1-02-2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat, RAPOLI
 Block/Taluk/Mandal SARAWATI 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 1-02-2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Kabir Singh	 Sarpanch Gram Panchayat, Rapoli Block, Mustafabad (YNR)
2	Gram Panchayat Secretary	Sh. Ramdas	

ATTENDANCE SHEET

Gram Panchayat:- RaPouliMeeting :- GurukulBLOCK : 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	Kabul Singh	m	OBC	Sarpanch	Yes	VWSC	9812494021	Kabul Singh
2	Vikram Singh	m	SC	Operator	No	—	9671419513	Vikram
3	Maninda Singh	m	SC	Farmer	No	—	9690501234	Manish Rite
4	Rajesh Kumar	m	OBC	Labour	—	—	7496015869	Rajesh
5	Reena	F	SC	Farmer	Yes	VWSC	9812494022	Reena Devi
6	Rita Rani	F	SC	H.W	—	—	9306677202	Rita Rani
7	Sohan Lal	m	SC	Farmer	Yes	VWSC	8730136580	Sohan Lal
8	Bansi Ram	m	SC	Farmer	No	No	9671354871	Bansi Ram
9	Billu Ram	m	SC	Sweeper	—	—	9996064041	Billu
10	Veena Rani	F	OBC	H.W	Yes	VWSC	9728517080	Veena Rani
11	Poonam Devi	F	SC	H.W	Yes	VWSC	8607567157	Poonam Devi
12	Sabwanti	F	SC	H.W	No	No	9416680870	Sabwanti
13	Paramjit Kaur	F	BC	H.W	—	—	8307584820	Paramjit Kaur
14	Dharam Veer	m	SC	Farmer	Yes	VWSC	9410492795	Dharam Veer
15	Raj Kumar	m	SC	Employed	Yes	Japjivan m	9315052721	Raj Kumar
16	Manish Kumar	m	OBC	Farmer	Yes	VWSC	8059280162	Manish
17	Sandeep	m	SC	Student	Yes	VWSC	7988099628	Sandeep

ATTENDANCE SHEET

Gram Panchyat:- Rapourdi

Meeting :-

BLOCK : Saraswati nagar DISTRICT:-Yamuna Nagar[illegible]