Water Security Plan Report

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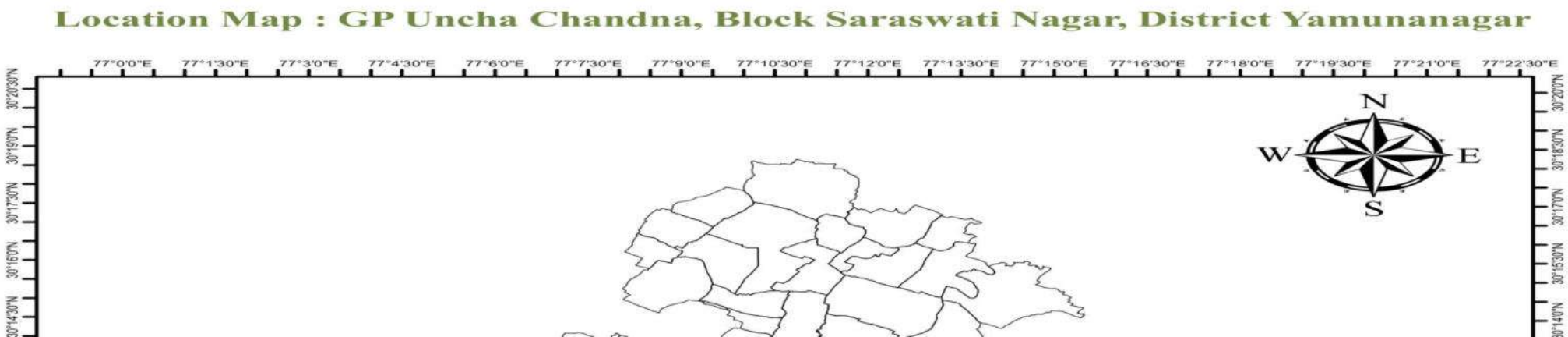
Date : 30/ 03/ 2024 Time : 12:34 PM User Name : Dr. Prabhat

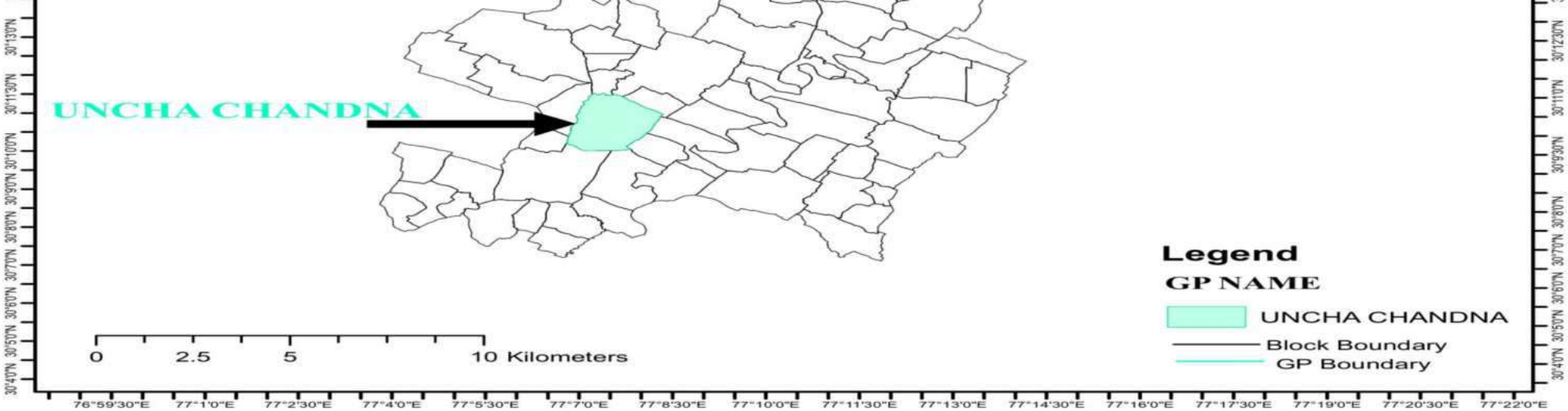
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: UCHA CHANDNA_33478 » YEAR: 2024-25 »

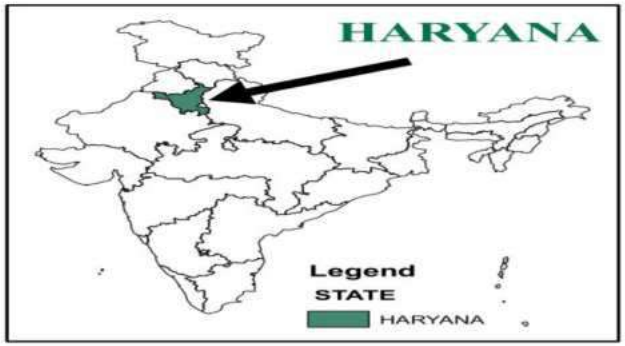
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Ucha Chandna_33478
GP ID :	33478	Block Area (Ha) :	20267.2000
GP area (Ha) :	458.0000	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

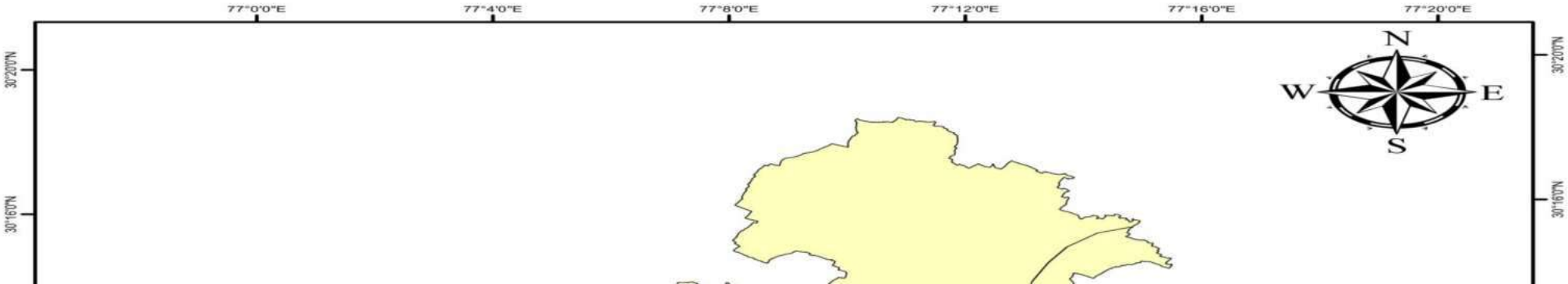


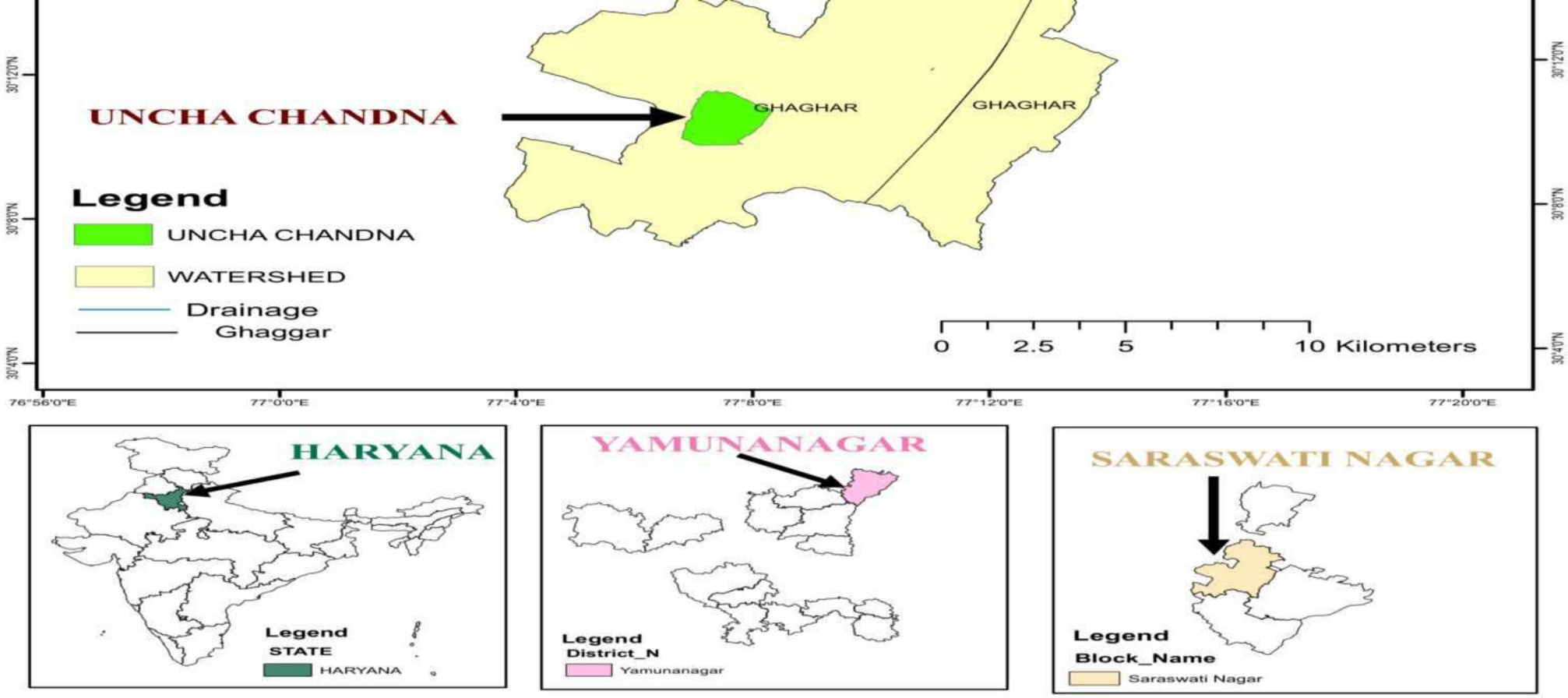




Watershed Map

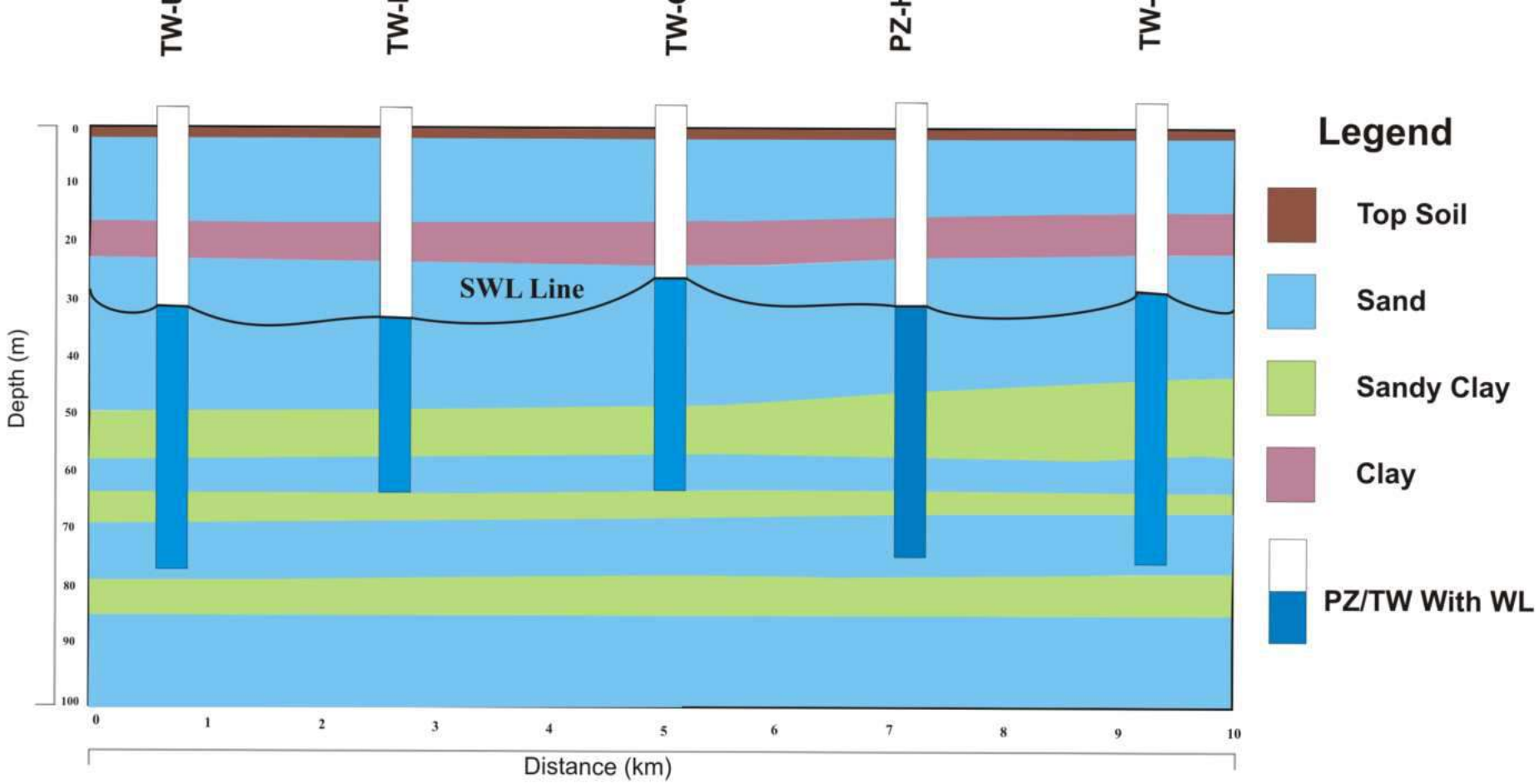
Watershed & Drainage Map : GP Uncha Chandna, Block Saraswati Nagar, District Yamunanagar





Aquifer Map

Aquifer Map of Uncha Chandna, Namdarpur, Gandapura, Hangoli, Jhar Chandana 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	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.63	2024-02-13
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.61	2024-01-22
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.65	2023-12-20

	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	29.47	2023-10-29
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	29.65	2023-09-30
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	29.20	2023-08-30
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.97	2023-07-29
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.69	2023-06-29
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.62	2023-05-23
	Uncha chandna	Near rattan palace	30.17158	77.13483	2023-04-13	033478-001	Tube Well		Private		0.25	90.00	0.38	30.11	2023-04-13
2	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	30.66	2024-02-13
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	30.60	2024-01-22
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	30.70	2023-12-20
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	30.55	2023-10-29
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	30.68	2023-09-29
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	30.57	2023-08-29
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	31.00	2023-07-31
	Uncha chandna	Hangoli Road	30.17739	77.12569	2023-06-28	033478-002	Tube Well		Private		0.25	50.00	0.60	31.65	2023-06-28
3	Uncha chndna	Shiv dham	30.18815	77.12679	2023-10-25	033478-003	Bore Well		Government	SGWB	0.1500	260.00	0.54	34.47	2024-02-13
	Uncha	Shiv	30.18815	77.12679	2023-10-25	033478-003	Bore		Government	SGWB	0.1500	260.00	0.54	34.50	2024-0

	chndna	dham					Well								1-21
	Uncha chndna	Shiv dham	30.18815	77.12679	2023-10-25	033478-003	Bore Well		Government	SGWB	0.1500	260.00	0.54	34.60	2023-12-24
	Uncha chndna	Shiv dham	30.18815	77.12679	2023-10-25	033478-003	Bore Well		Government	SGWB	0.1500	260.00	0.54	34.39	2023-11-29
	Uncha chndna	Shiv dham	30.18815	77.12679	2023-10-25	033478-003	Bore Well		Government	SGWB	0.1500	260.00	0.54	33.99	2023-10-25

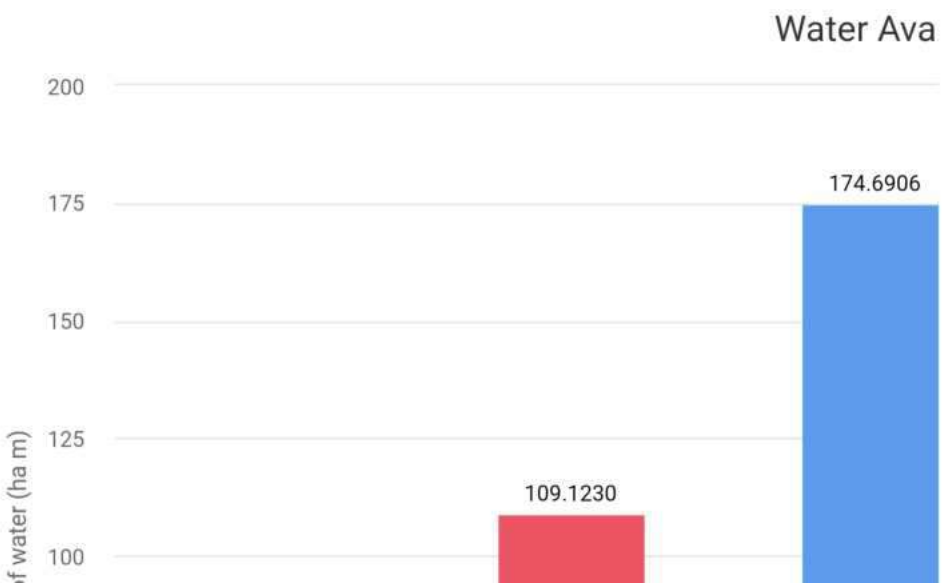
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Uncha chandana	Uncha chandana	30.18343	77.123192	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Uncha chandna _001
2	Uncha chandana	Uncha chandana	30.183041	77.125679	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Uncha chandna _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)	Carbonate (mg/L)	Bicarbonate (mg/L)	Sulphate (mg/L)	Chloride (mg/L)	Fluoride (mg/L)	Nitrate (mg/L)
1	ABY_YMR_SNAGAR_Unchachandna _001	82	UNCONFINED	8.2	724	442	150	32	17	24	0.8	28	234	40	64	0.56	8.5
2	ABY_YMR_SNAGAR_Unchachandna _002	75	UNCONFINED	7.5	1074	655	252	56	27.2	45	0.7	0	290	66	92	0.58	10.6

Water Availability Report

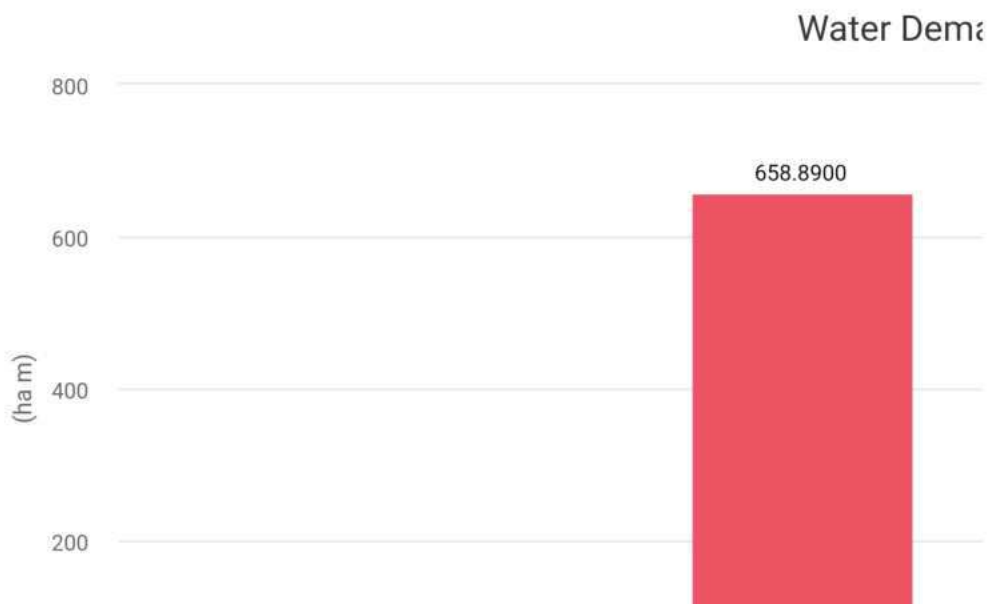
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	817.8689
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	205.9855
e.	Estimated Water Available From Rainfall (ha m)	611.8834
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	183.5650
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	68.1350
(ii)	Non-Monsoon	16.8428
	Total Ground Water Recharge from rainfall (ha m)	84.9778
b.	Ground Water Recharge from other sources (ha m)	



	(ha m)	
(i)	Monsoon	63.1682
(ii)	Non-Monsoon	45.9548
	Total Ground Water Recharge from other sources (ha m)	109.1230
c.	Losses Due to Natural Discharge (ha m)	19.4102
	Total Ground Water Available (ha m)	174.6906
d.	Ground Water Withdrawal (ha m)	352.2477
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	02	1.85
	Total Storage Capacity of the surface water bodies (ha m)	1.8500
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	1.6650
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	1.6650
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	176.3556

Water Demand Report

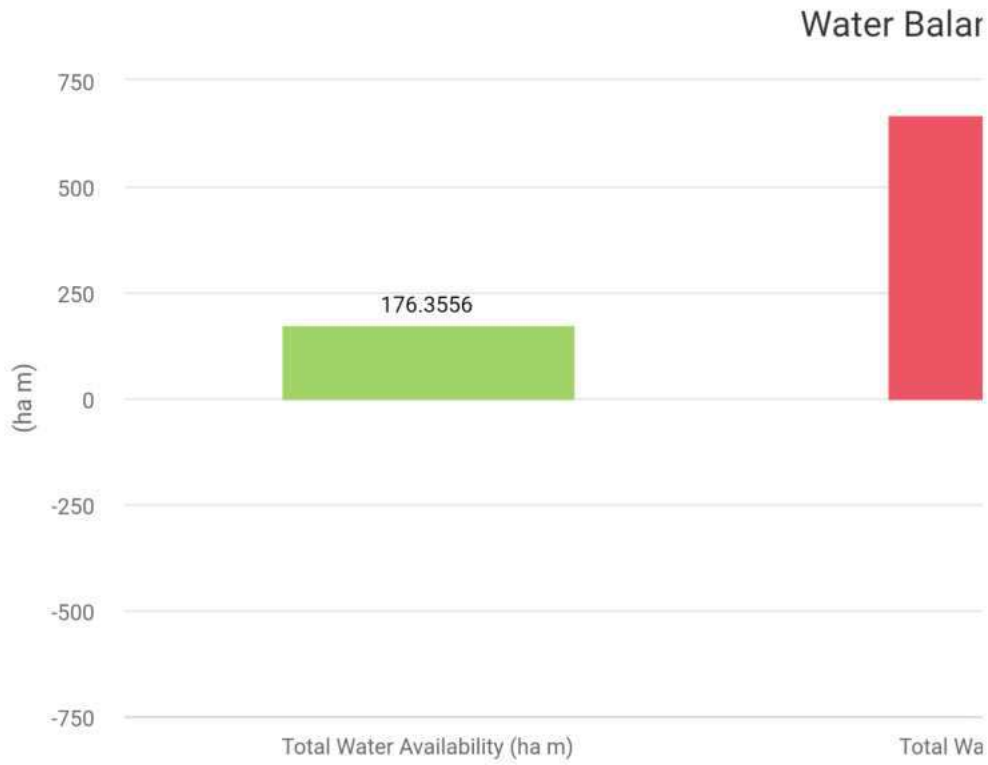
Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.3591
ii)	From Ground Water	9.4618
	Total Drinking /Domestic (ha m)	9.8209
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	658.8900
	Total Irrigated Agriculture (ha m)	658.8900
C	Industrial Use (ha m)	
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

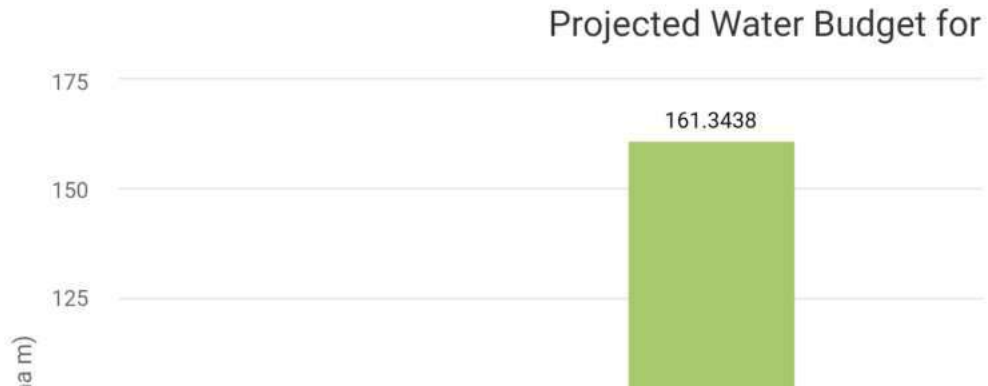
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	174.6906
ii)	Total Surface Water Available	1.6650
	Total Water Availability (ha m)	176.3556
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.3591
ii)	Total Ground Water Demand	668.3518
	Total Water Demand	668.7109
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-493.6612
ii)	Total Surface Water Balance	1.3059
	Total Water Balance	-492.3553

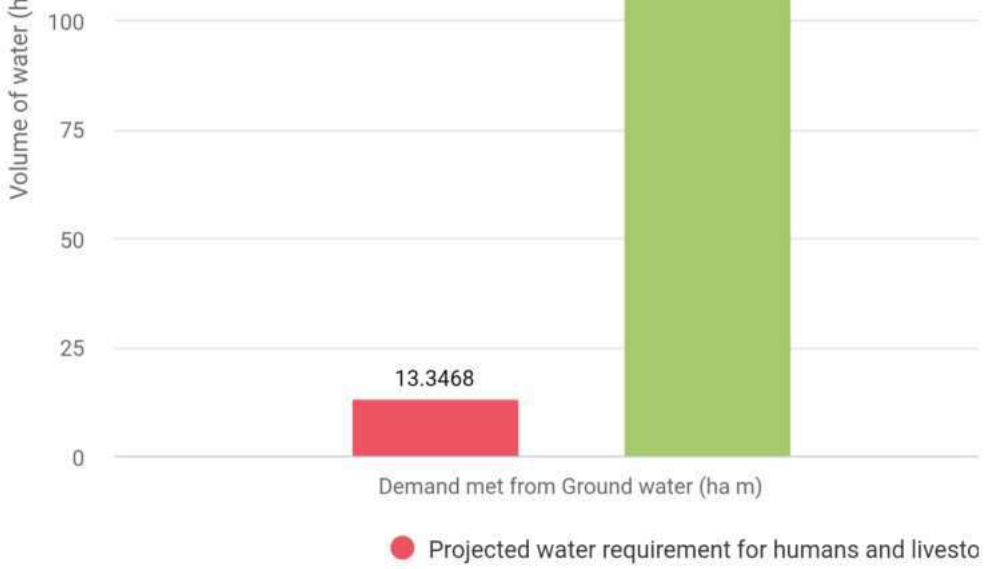


Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	3101.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	4279.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	8.5901
II	Livestock	



i)	Present livestock population	770.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	1020.0000
v)	Average per capita requirement (L)	127.7662
vi)	Projected water requirement for livestock (as in 2050) (ha m)	4.7567
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)	13.3468
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)	13.3468
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	161.3438
ii)	Surface water	1.6650
iii)	Total water available for future irrigation	163.0088



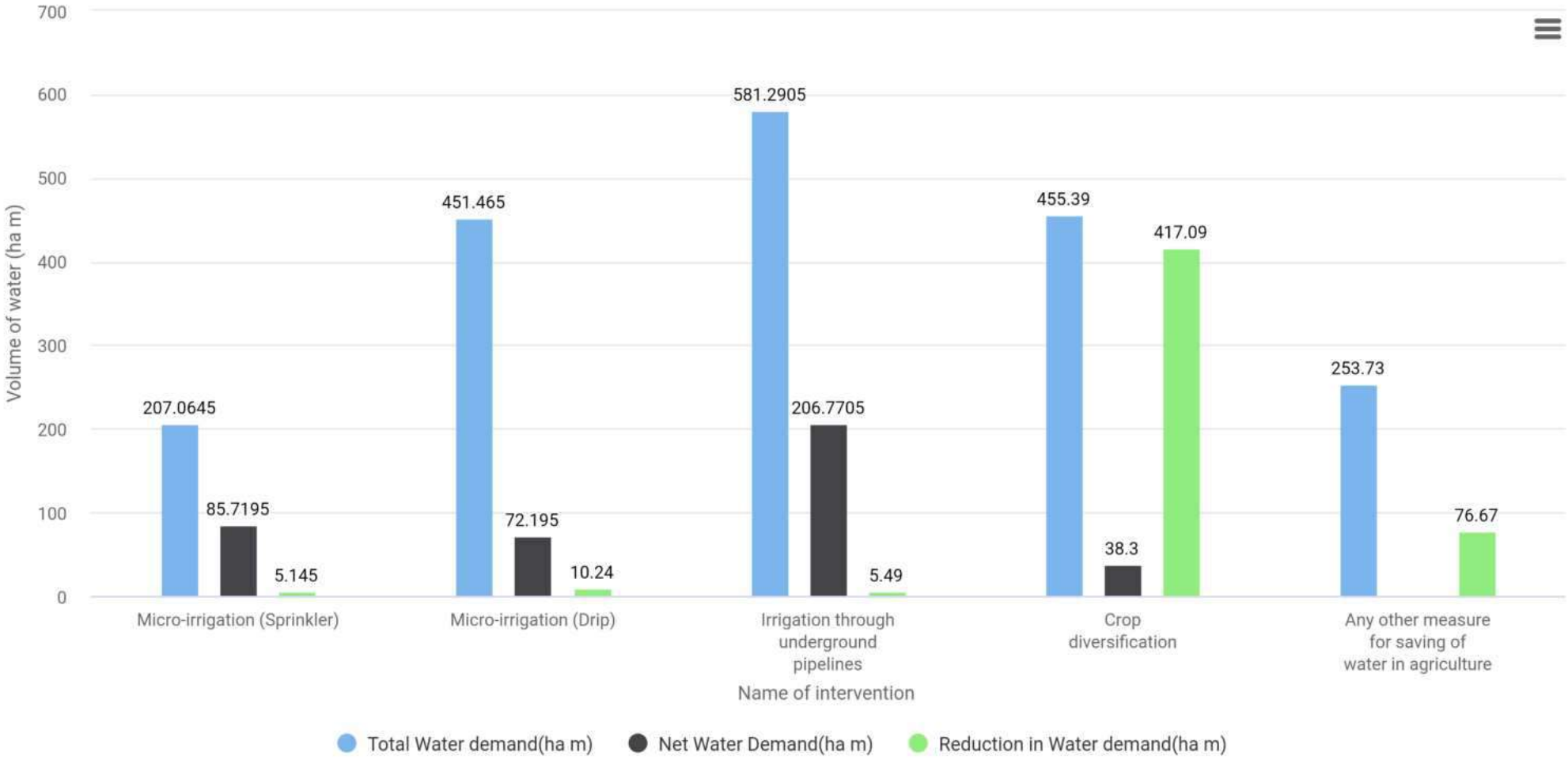
Demand Side

Total Area under Conventional Irrigation (ha) : 767.254

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	32.0000	207.0645	85.7195	5.1450	35.8400
2	Drip	24.0000	451.4650	72.1950	10.2400	36.7200
3	Pipelines	35.0000	581.2905	206.7705	5.4900	8.7500
4	Crop Diversification	76	455.3900	38.3000	417.0900	13.1400
5	Other Measures	268.0000	253.7300	--	76.6700	17.6980
	Total	435.0000	1948.9400	402.9850	514.6350	112.1480

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	104	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	3.848
2	Crop Diversification	20	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.46

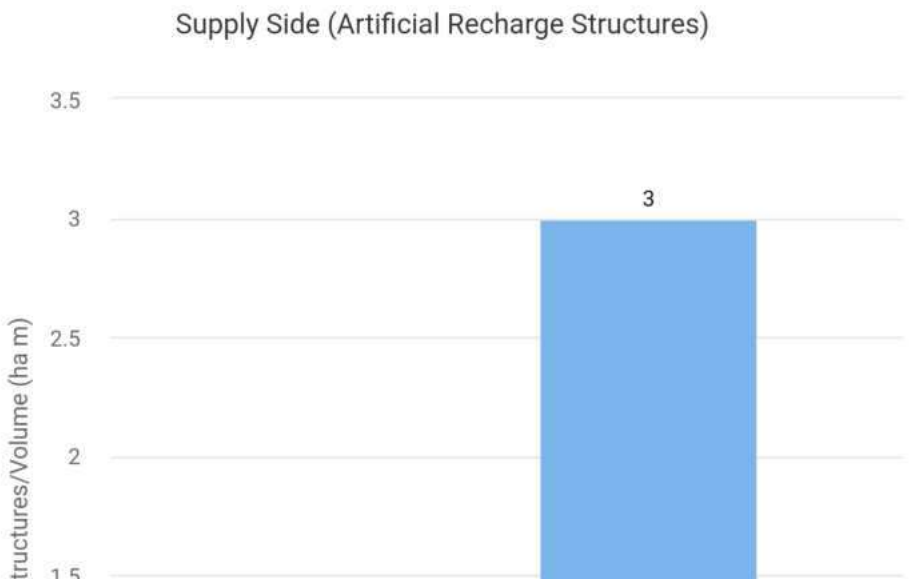
3	Crop Diversification	56	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	9.68
4	Other Measures	4	2024-25	Department of Horticulture	Other	4
5	Sprinkler	32	2024-25	MICADA	PMKSY(Per Drop More Crop)	35.84
6	Drip	24	2024-25	MICADA	PMKSY(Per Drop More Crop)	36.72
7	UG Pipelines	35	2024-25	Agriculture & Farmer Welfare Department	Other	8.75
8	Other Measures	82	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	2.05
9	Other Measures	78	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	7.8
	Total	435				112.1480

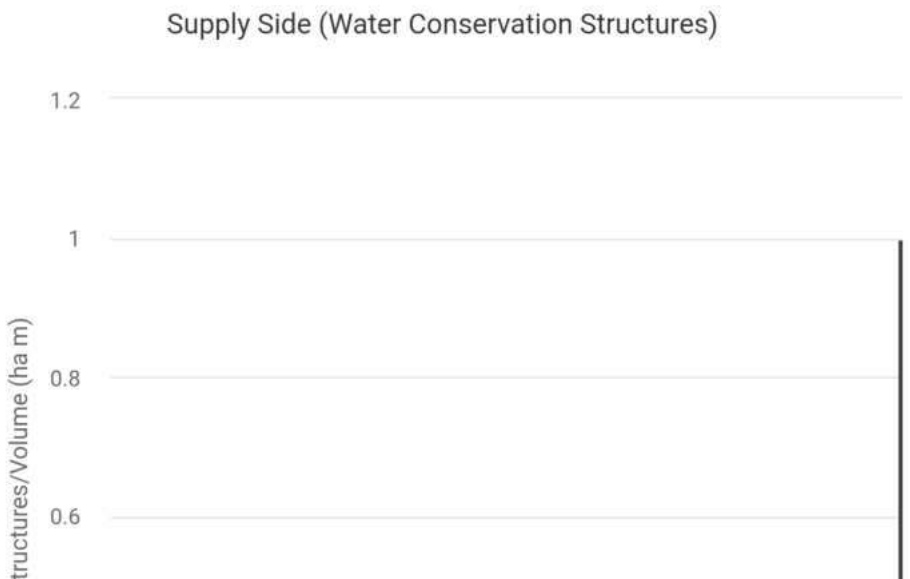


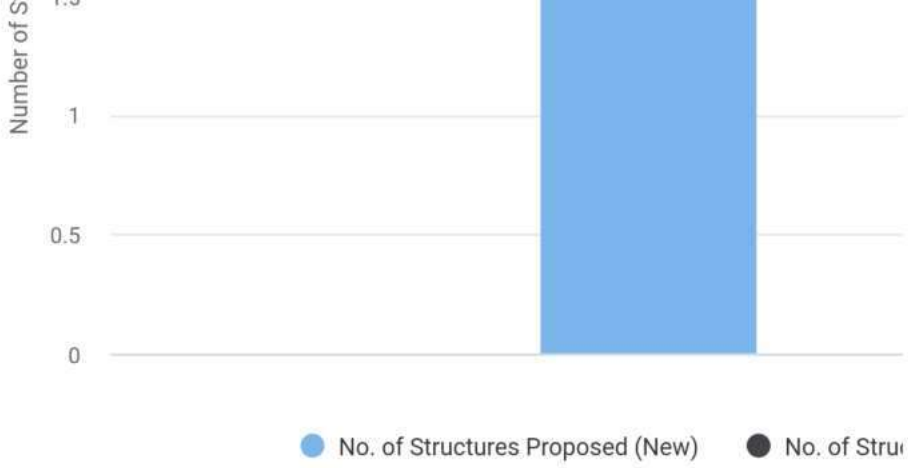
Supply Side

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	Uncha Chandana (456)	30.182	77.1221	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	Check Dam (New)	0.2	0.300	Uncha Chandana (456)	30.185197	77.122183	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
3	Check Dam (New)	0.2	0.300	Uncha Chandana (456)	30.186111	77.123031	2024-25	Agriculture & Farmer Welfare Department	Departmental Scheme	4
	Total	0.4018	0.6027							8.6200

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	Rain Water Harvesting Structure(Renovation)	1.1	0.66	Uncha Chandana (456)	30.1678	77.1484	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	15.41
	Total	1.1000	0.6600							15.4100







PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	SHAMA DEVI	Member	Female	9306033193
2	Brij bhan	Member	Male	9034861575
3	Gurpreet singh	JE PHED	Male	9053779442
4	Vikas	Member	Male	8814800069
5	Anil kumar	Member	Male	8059428542
6	SUSHMA	Member	Female	905.337797
7	Darshana	Member	Male	9996613146
8	Neelam	Member	Female	8168982364
9	Kavita	Member	Female	7015293530
10	Brij bhushan	Member	Male	8278275244
11	Satpal	Member	Male	9315598528
12	Rahul	Je	Male	8950718884
13	Rajid	ग्राम सचिव	Male	9991971847
14	PARMITA	CHAIRPERSON	Female	9315598528
15	Jasleen kaur	Member	Female	7206699038
16	Sushma rani	Member	Female	9518056117

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	Ucha Chandna_33478	2024-02-07	Ucha Chandna_33478	Uncha Chandana (456)	sarpanch office	20	7	0	27

Photograph

GPS Map Camera
Uchachandana, Haryana, India
54JG+P4W, Uchachandana, Faridpur, Haryana 133103, India
Lat 30.182535°
Long 77.125086°
07/02/24 12:34 PM GMT +05:30
Google

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 Uncha Chandna 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. I
Jagadhri

TEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR

Parveen Kumar
G.W.E DPMU

Minutes of Meeting

Village Name: Ucha chandana | Block: Saraswati Nagar | District: Yamunanagar

Meeting Place: Sarpanch office | Lat. No. 30.188535 | Long No. 77.125086

Date: 07/02/24

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

अटल भूजल के अंतर्गत आज दिनांक 07/02/24 को ग्राम पंचायत ऊँचा चन्दना में सरपंच श्रीमती प्रमीत (Pramita) की अध्यक्षता में ग्राम पंचायत जल एवं स्वच्छता समिति की बैठक का आयोजन किया गया, मीटिंग में सरपंच, किसान, और ग्रामीणों ने भाग लिया, इस बैठक में निम्नलिखित बिंदुओं पर चर्चा की गई।

1. ग्राम पंचायत में जोहड़ का पुनर्निर्माण किया जाये।
2. किसानों के खेतों में ड्रिप एवं फुव्वारा सिंचाई विधि लगायी जाये।
3. ग्राम पंचायत में स्कूल या धर्मशाला में शोकिज पिट व RTRWHS बनवाये जाये।
4. खेतों में DSR विधि से धान की बुआई की व्यवस्था की जाये।
5. खेतों में फसल अवशेष प्रबंधन की व्यवस्था की जाये।

उपरोक्त को जल सुरक्षा योजना में पारित किया गया और ये सभी कार्य करवाये जाये। इन सभी कार्यों के लिए ग्राम पंचायत जल एवं स्वच्छता समिति की बैठक में सभी सदस्यों की सहमती से प्रस्ताव पारित किया गया।

ANNEXURE III

RESOLUTION

Date 07/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat Uncha chandana Block/Taluk/Mandal Saraswati Nagar District-Yamunanagar, State- Harayana 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 07/02/2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Parmita	Parmita Sarpanch Gram Panchayat, Uncha Chandna Block ,Saraswati Nagar (YNR)
2	Gram Panchayat Secretary	Sh. Rasid Khan	[illegible]

ATTENDANCE SHEET

Gram Panchyat: Uche Chandana Meeting :- Sarpanch office 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	Parmita	F	BC	Sarpanch	Yes	U.W.S.C	9315598528	Parmita
2	Sushma	F	BC	H.W	Yes	U.W.S.C	9050337141	Sushma
3	Shama Devi	F	BC	H.W	Yes	U.W.S.C	9306033143	Shama Devi
4	Gurwinder Kaur	F	Gen	Bhusal saheli	Yes	U.W.S.C	7206699038	Gurwinder Kaur
5	Vikas Saini	M	BC	Business	-	-	8814800069	[illegible]
6	Vikas	M	BC	Farmer	Yes	U.W.S.C	8814800069	Vikas
7	Rasinder Singh	M	BC	Farmer	-	-	9999283806	Rajinder
8	Manoj Kumar	M	BC	Farmer	-	-	9996829656	Manoj Kumar
9	Sarbjeet Kaur	F	Gen	H.W	Yes	U.W.S.C	7206699038	Sarbjeet Kaur
10	Surjwinder	M	Gen	Farmer	-	-	9813600934	[illegible]
11	Ramesh Kumar	M	SC	Panch	-	-	8053973861	Ramesh Kumar
12	Sachin	M	BC	Student (Panch)	-	-	9466359167	Sachin
13	Brij Bhushan	M	BC	Farmer	Yes	U.W.S.C	8278275244	[illegible]
14	Brij Bhan	M	BC	Farmer	Yes	U.W.S.C	9034861578	Brij Bhan
15	Sita Devi	F	BC	A.W.W	Yes	U.W.S.C	9355379111	Sita Devi
16	Satpal	M	BC	Farmer	Yes	U.W.S.C	9315598528	Satpal
17	Narinder Kumar	M	BC	Farmer	-	-	8053905643	Narinder Kumar

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	OM Prakash	M	S.C	labour	-	-	9992611 98	ओम प्रकाश
19	Pras Kumar	M	B C	Farmer	-	-	8814914706	Pras Kumar
20	Anil Kumar	M	SC	student	Yes	U.W.S.C	8059428542	Anil Kumar
21	Mange Ram	M	B C	Farmer	-	-	8413479940	मांगे राम
22	Harnam	M	BC	Farmer	-	-	9315598578	Harnam
23	Balwinder	M	OB C	Farmer	-	-	9315598598	[illegible]
24	Somnath	M	S C	Farmer	-	-	8295158[illegible]	Somnath
25	Sushma Rani	F	Gen	H.W	Yes	U.W.S.C	9518056117	Sushma Rani
26	Pardeep Kumar	M	BC(A)	Farmer	-	-	9916076501	[illegible]
27	Rinku	M	BC	"	-	-	7082350711	Rinku