Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 11:55 AM User Name : Dr. Prabhat

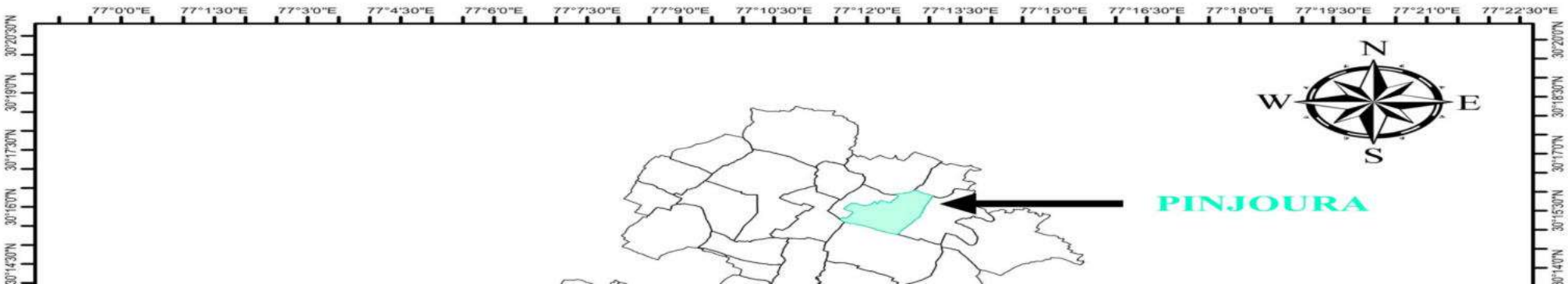
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: PINJOURA_33464 » YEAR: 2024-25 »

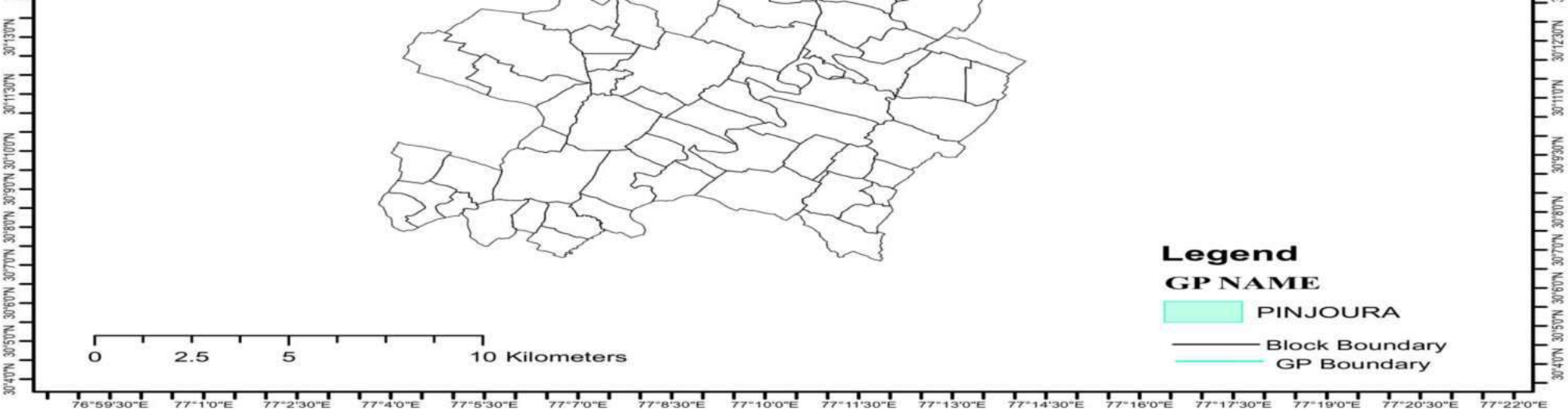
Gram Panchayat Information

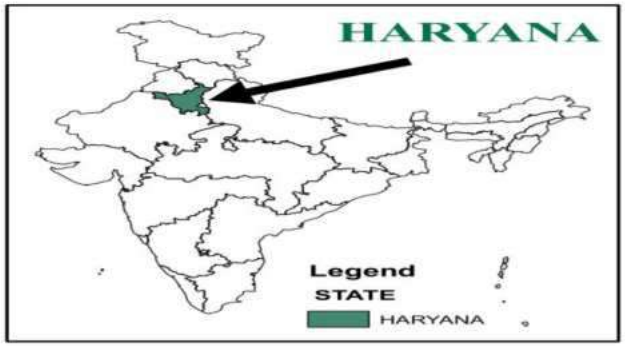
State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Pinjoura_33464
GP ID :	33464	Block Area (Ha) :	20267.2000
GP area (Ha) :	264.0000	Watershed Code :	GHGR003
Watershed name :	SARASWATI	Watershed area in Block / Taluk (Ha) :	240587.09
Sub-basin Code :	1	Sub basin name :	Ghaghar and Others
Basin Code :	11	Basin Name :	Ghaghar

Location Map

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

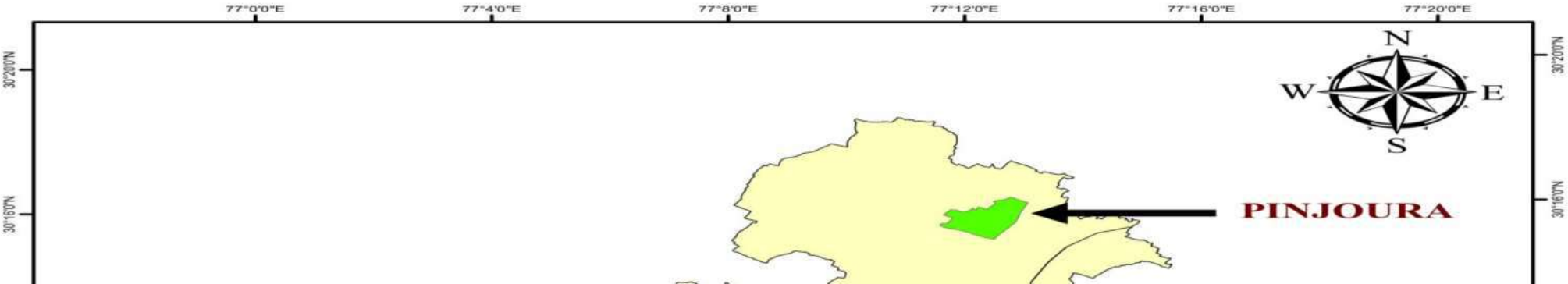


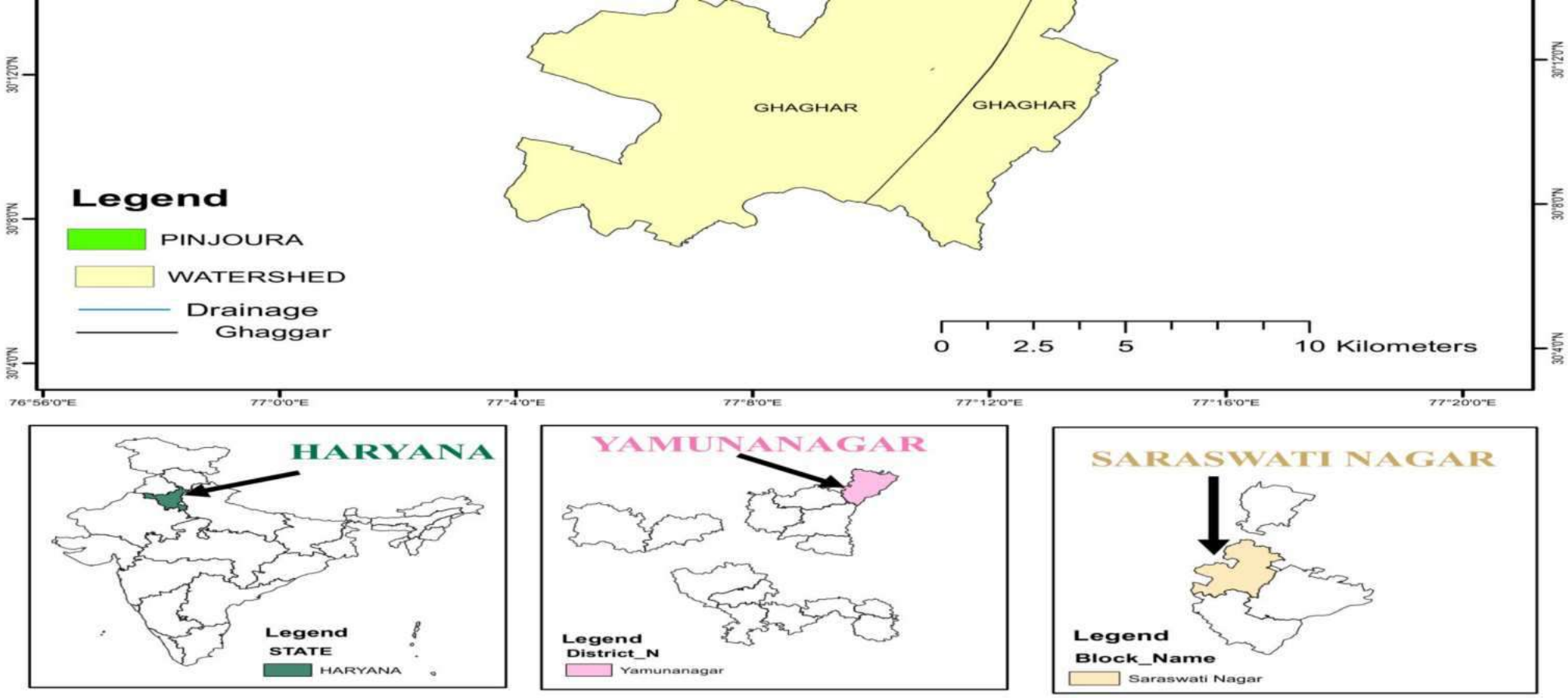




Watershed Map

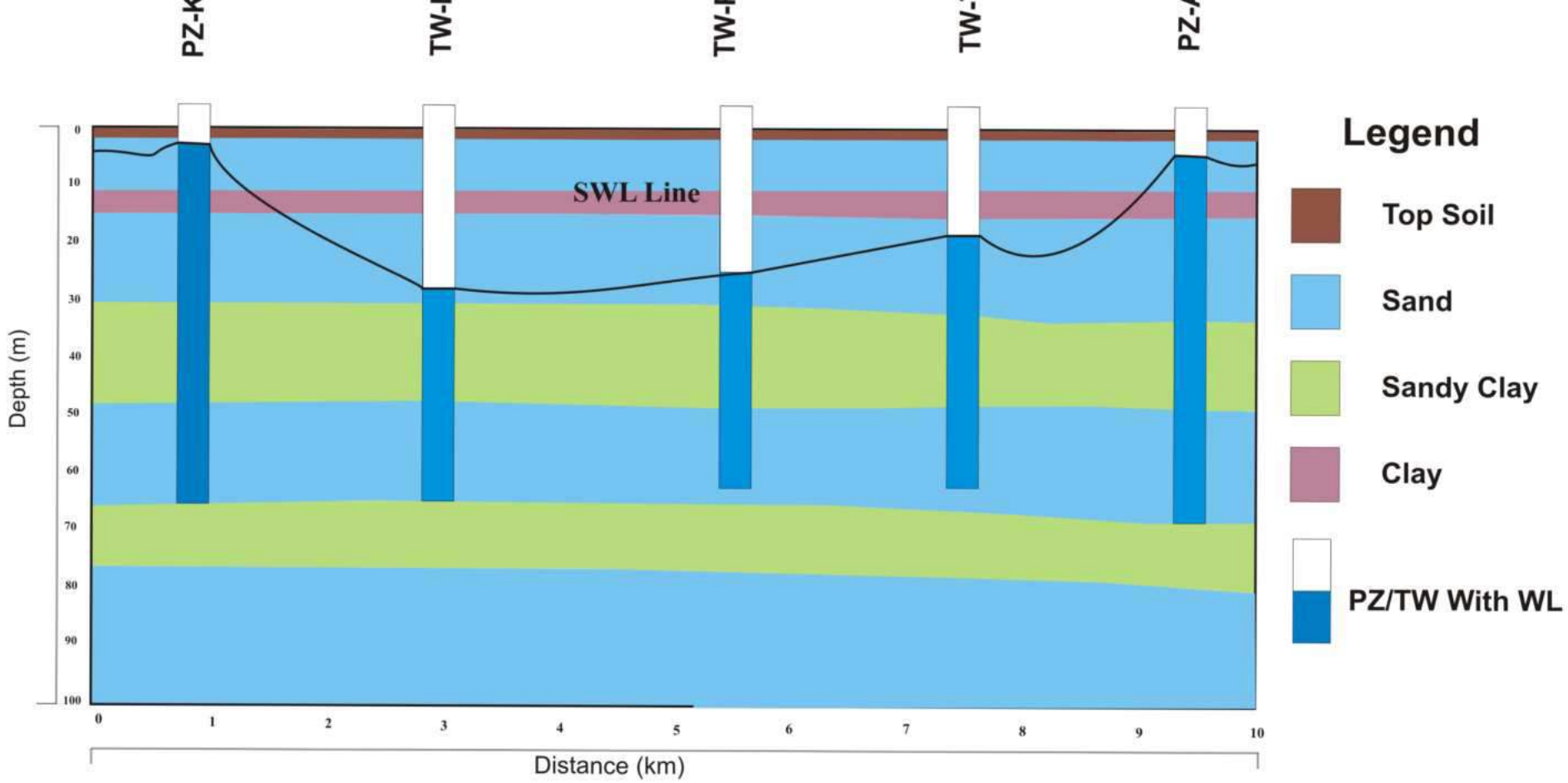
Watershed & Drainage Map : GP Pinjoura, Block Saraswati Nagar, District Yamunanagar





Aquifer Map

Aquifer Map of Kheri Darshan Singh, Pinjori, Pinjoura , Talakaur, Ambli 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)	Wat Leve Date
1	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	26.45	2024 2-20
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	26.50	2024 1-22
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	26.90	2023 2-26

	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	28.35	2023-11-30
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	29.30	2023-10-30
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	27.18	2023-9-29
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	31.1	2023-8-31
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	31.5	2023-7-30
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	32.1	2023-6-28
	Pinjoura	Near shri ram mandir	30.2516	77.20592	2023-05-31	033464-001	Others(Pl. Specify)	Phed	Private		0.2500	90.00	0.30	31.4	2023-5-31
2	Pinjora	Sarpanch house	30.2599	77.20812	2024-01-12	494261-002	Others	Summbersible pump	Private		0.1500	75.00	0.35	7.75	2024-2-17
	Pinjora	Sarpanch house	30.2599	77.20812	2024-01-12	494261-002	Others	Summbersible pump	Private		0.1500	75.00	0.35	7.80	2024-1-22

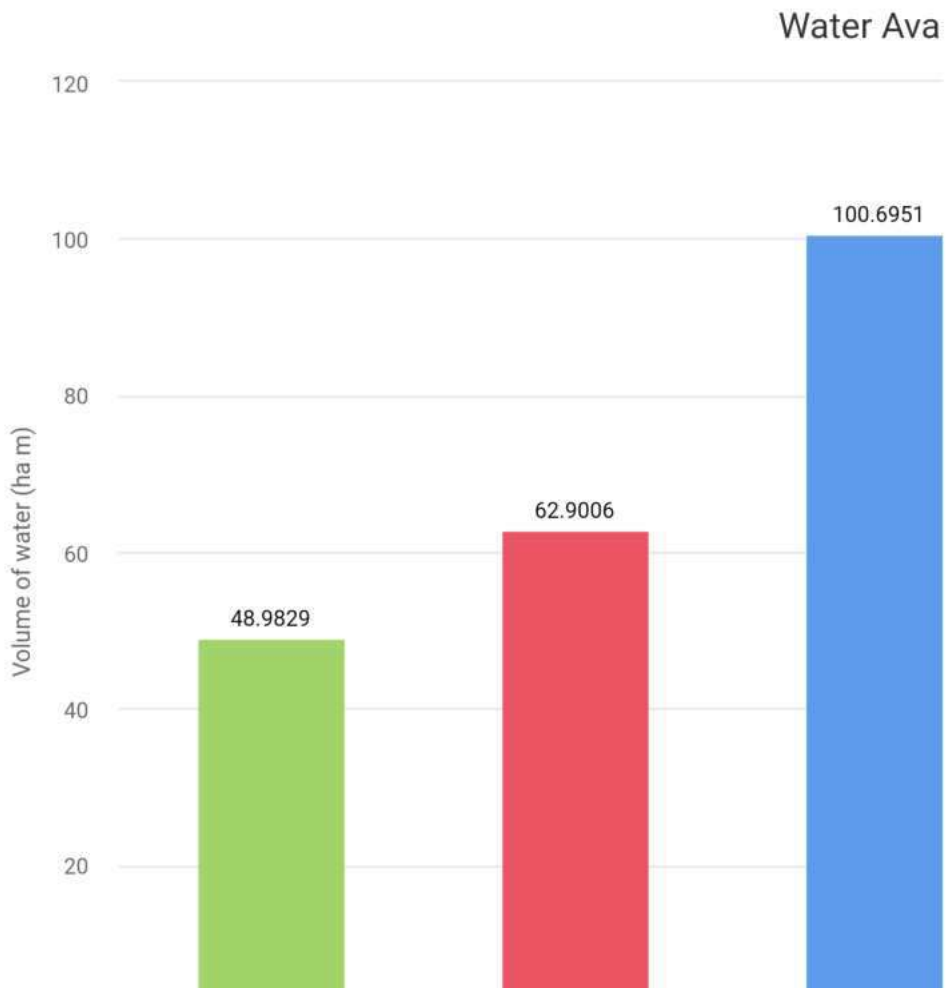
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Pinjora	Pinjora	30.264996	77.211868	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Pinjora _001
2	Pinjora	Pinjora	30.258986	77.20858	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Pinjora _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_Pinjora_001	91	UNCONFINED	7.4	900	549	205	49	20	38	0.8	0	280	48	68	0.58	8.22
2	ABY_YMR_SNAGAR_Pinjora_002	98	UNCONFINED	7.6	666	404	166	39	16.6	26	0.5	0	226	28.6	81	0.29	3.02

Water Availability Report

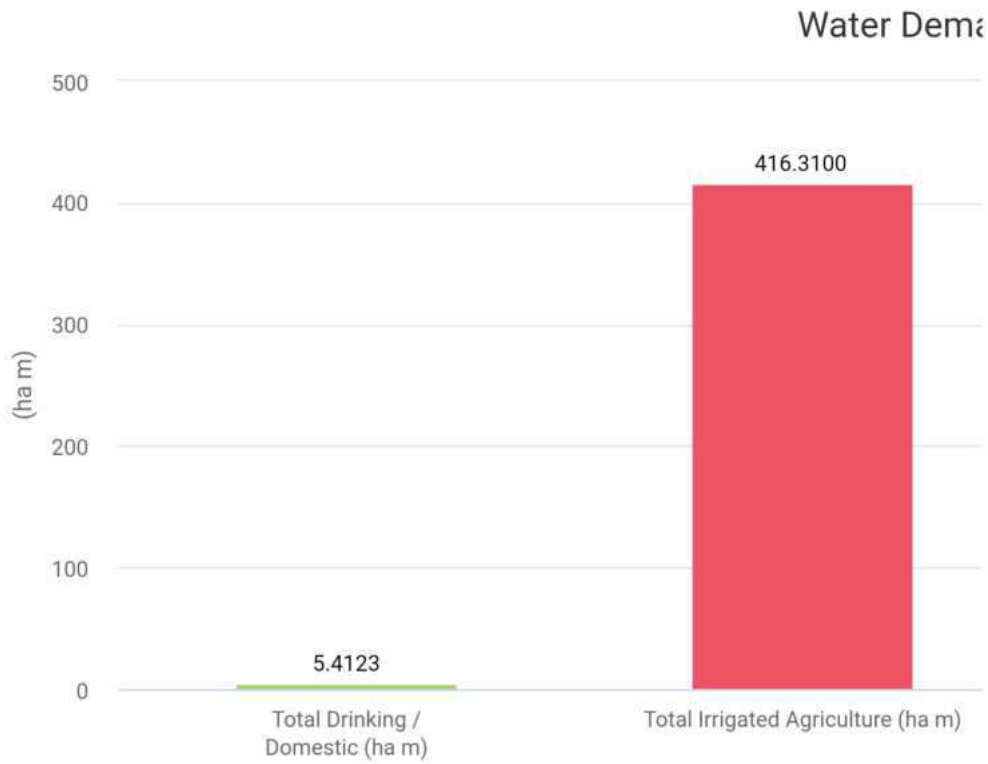
Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	471.4354
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	118.7340
e.	Estimated Water Available From Rainfall (ha m)	352.7014
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	105.8104
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	39.2744
(ii)	Non-Monsoon	9.7085
	Total Ground Water Recharge from rainfall (ha m)	48.9829
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	36.4114
(ii)	Non-Monsoon	26.4892
	Total Ground Water Recharge from other sources (ha m)	62.9006
c.	Losses Due to Natural Discharge (ha m)	11.1884
	Total Ground Water Available (ha m)	100.6951
d.	Ground Water Withdrawal (ha m)	203.0424
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	0.74
	Total Storage Capacity of the surface water bodies (ha m)	0.7400
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	0.6660
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.6660
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	101.3611

Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.2072
ii)	From Ground Water	5.2051
	Total Drinking /Domestic (ha m)	5.4123
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	416.3100
	Total Irrigated Agriculture (ha m)	416.3100
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



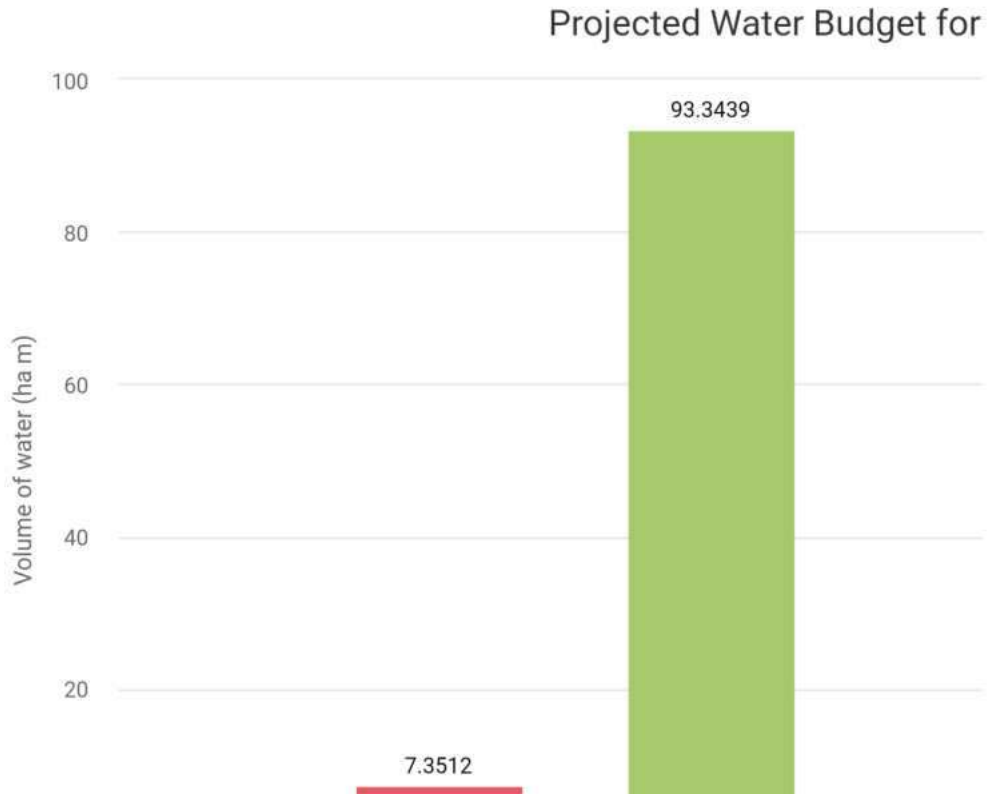
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	100.6951

ii)	Total Surface Water Available	0.6660
	Total Water Availability (ha m)	101.3611
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.2072
ii)	Total Ground Water Demand	421.5151
	Total Water Demand	421.7223
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-320.8200
ii)	Total Surface Water Balance	0.4588
	Total Water Balance	-320.3612

Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	1662.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	2294.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	4.6052
II	Livestock	
i)	Present livestock population	446.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	591.0000
v)	Average per capita requirement (L)	127.2960
vi)	Projected water requirement for livestock (as in 2050) (ha m)	2.7460
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)	7.3512
i)	Proposed share to be met from Ground water (in %)	100.0000



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)	7.3512
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	93.3439
ii)	Surface water	0.6660
iii)	Total water available for future irrigation	94.0099

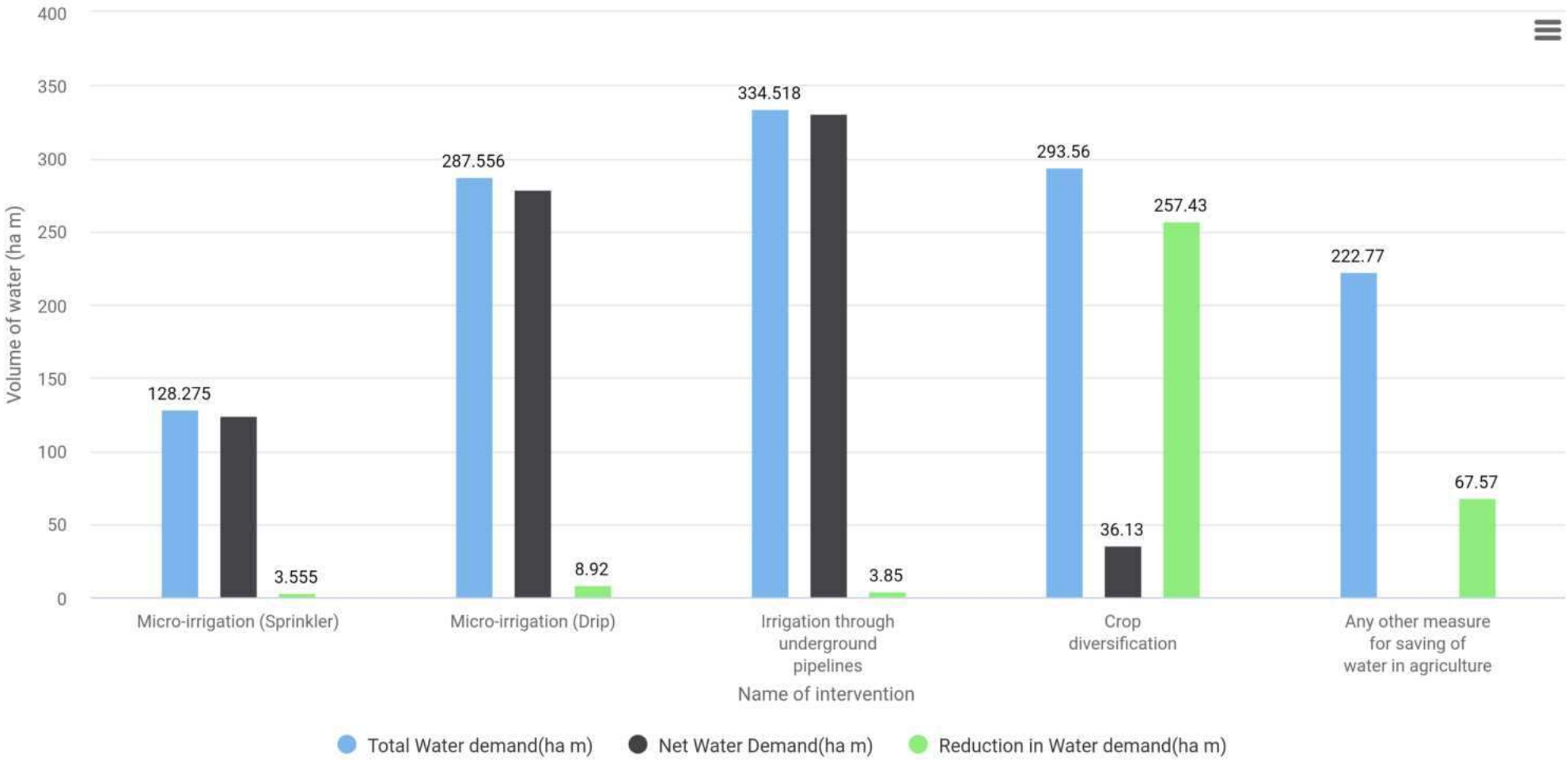
Demand Side

Total Area under Conventional Irrigation (ha) : 472.63000000000005

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	23.0000	128.2750	124.7200	3.5550	25.7600
2	Drip	18.0000	287.5560	278.6360	8.9200	27.5400
3	Pipelines	25.0000	334.5180	330.6680	3.8500	6.2500
4	Crop Diversification	73	293.5600	36.1300	257.4300	12.4470
5	Other Measures	251.0000	222.7700	--	67.5700	14.0300
	Total	390.0000	1266.6790	770.1540	341.3250	86.0270

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	90	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	3.33
2	Sprinkler	23	2024-25	MICADA	PMKSY(Per Drop More Crop)	25.76
3	Drip	18	2024-25	MICADA	PMKSY(Per Drop More Crop)	27.54
4	UG Pipelines	25	2024-25	Agriculture & Farmer Welfare Department	Other	6.25
5	Crop Diversification	23	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	3.797
6	Crop Diversification	50	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	8.65
7	Other Measures	5	2024-25	Department of Horticulture	Other	0.8
8	Other Measures	76	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.9
9	Other Measures	80	2024-25	Agriculture & Farmer Welfare	Mera Pani Meri Virasat(MPMV)	8

				Department		
	Total	390				86.0270

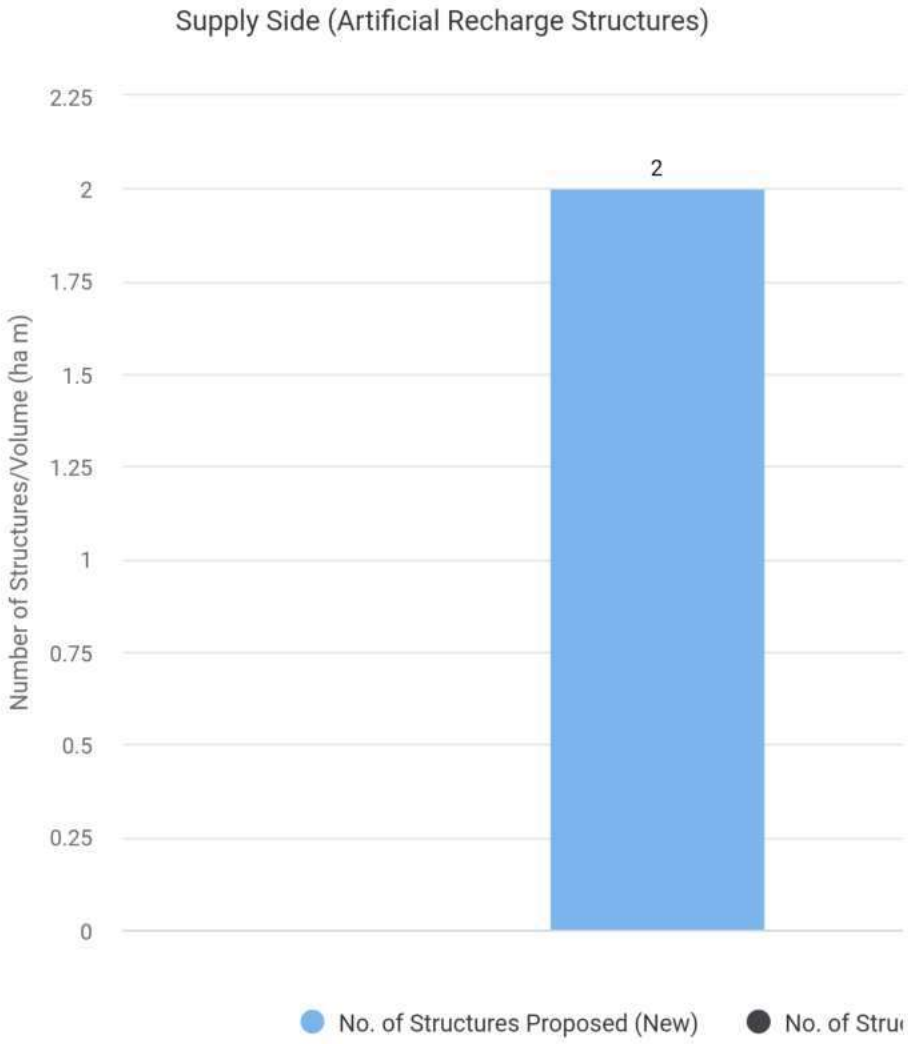


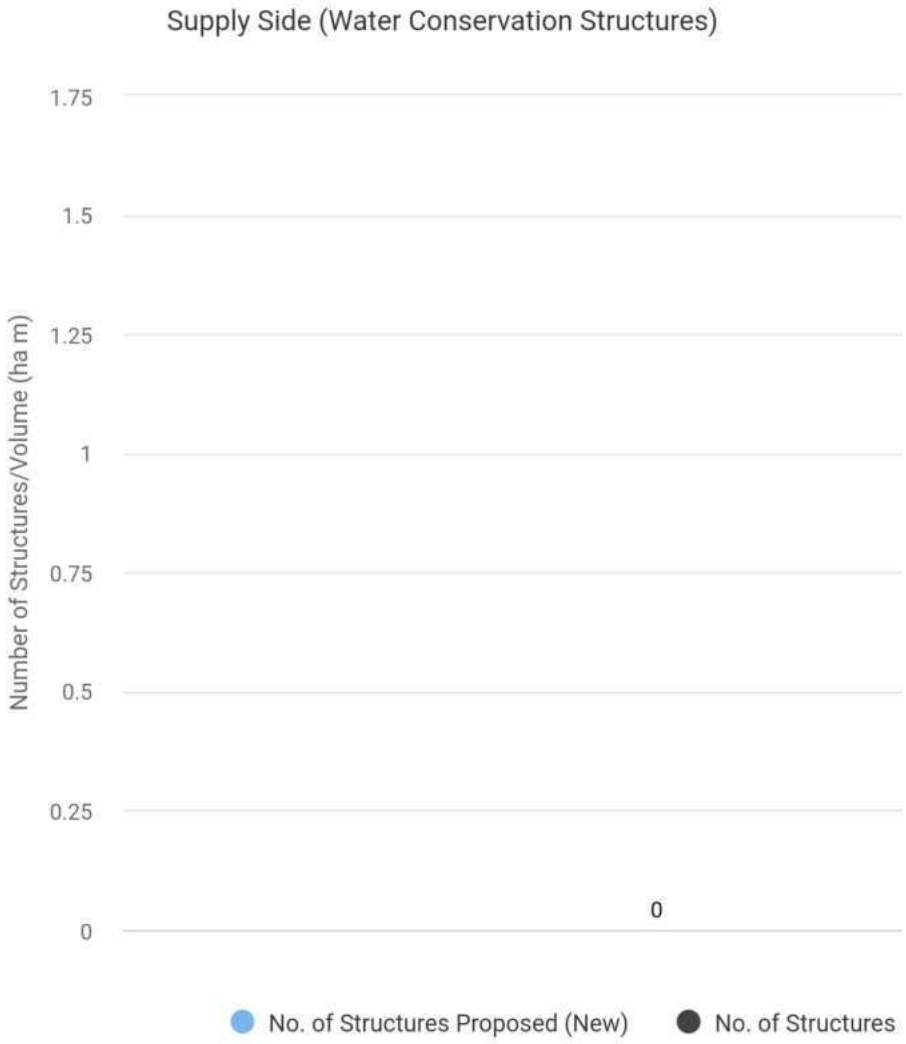
Supply Side

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	roof top rain water harvesting system (New)	0.00616	0.0184800	Panjaura (363)	30.2609	77.2075	2024-25	Department of Education	CSR	4.5
2	Injection Wells/ Recharge	0.00231	0.0069300	Panjaura (363)	30.2609	77.2079	2024-25	Irrigation & Water Resource	Departmental Scheme	2.4

	Wells(New)							Development		
	Total	0.0085	0.0254							6.9000

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)	2.5	1.50	Panjaura (363)	30.2612	77.2109	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	35.97
	Total	2.5000	1.5000							35.9700





PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	MUMTAJ	MEMBER	Female	9050521826
2	PARVESH KUMARI	MEMBER	Female	9896898198
3	MEENAKSHI	MEMBER	Female	8708523230
4	UMARDEEN	MEMBER	Male	9896387636
5	LOVELY KUMAR	MEMBER	Male	8168246901
6	VIKASH KUMAR	JE PHED	Male	7027290104
7	NARESH	MEMBER	Male	8199070150
8	SANTOSH	MEMBER	Female	8708343138
9	JASBIR	CHAIRPERSON	Male	9671005455
10	PARAMJEET KAUR	MEMBER	Female	8033508298
11	MOHH RAFI	MEMBER	Male	9991033400
12	KRISHAN KUMAR	MEMBER	Male	7988721830
13	RAJ KUAMR	JE	Male	9729203036
14	VIKRAM	GRAM SACHIV	Male	9813367954

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	Pinjoura_33464	2024-01-31	Pinjoura_33464	Panjaura (363)	Gram Sachivalya	16	8	0	24

Photograph

सामुहिक जन सहभागिता कार्यक्रम
अटल भूजल योजना
GPS Map Camera
Google
Pinjora, Haryana, India
Village Pinjora, block Saraswati Nagar Haryana 133103, India
Lat 30.209968°
Long 77.197405°
31/01/24 12:11 AM 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 Pinjoura 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

IEC, EXPERT
ATAL BHUJAL YOJANA (DPMU)
YAMUNA NAGAR

Parveen Kumar
G.W.E DPMU

Minutes of Meeting

Village Name: Pinjora Block: Saraswati Nagar District: Yamunanagar

Meeting Place: Gram Sachivalya Lat. No. 30.209968° Long No. 77.197405°

Date: 31/01/2024

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

अटल भूजल योजना के अंतर्गत आज दिनांक 31/01/24 को ग्राम पंचायत पिंजोरा मे सम्पन्न हुई। श्रीमती जसवीर सिंह की अध्यक्षता मे ग्राम पंचायत जल एवं स्वच्छता समिति की बैठक का आयोजन किया गया बैठक मे सरपंच किसान और ग्रामीणों ने भाग लिया इस बैठक मे निम्नलिखित बिंदुओं पर चर्चा की गई।

1 ग्राम पंचायत मे जोहड़ का जीर्णोद्धार किया जाएगा।

2 किसानों के खेतों मे ड्रेन और फव्वारे सिंचाई विधि लगवायी जाएगी।

3 ग्राम पंचायत मे स्कूल या धर्मशाला मे रीचार्ज पिट व RTRWHS बनवाये जाएंगे।

4. खेतों मे DBR विधि से पानी की बुवाई की व्यवस्था की जाएगी।

5. खेतों मे फसल अवशेष प्रबंधन की व्यवस्था की जाएगी।

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

ANNEXURE III

RESOLUTION

Date: 31-1-2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat...Pinjora 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 31 / 01 / 2024

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	जसबीर सिंह	सरपंच ग्राम पंचायत पिंजौरा खण्ड सरस्वती नगर (यमुनानगर)
2	Gram Panchayat Secretary	Vikram Singh	

ATTENDANCE SHEET

Gram Panchyat:- Kazpara Pinjoura Meeting :- Gram Sachivalya 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	Jasbir	M	Gen.	Sarpanch	Yes	V.W.S.C	9671005435	Jasbir Singh
2	Mumtaj	F	Gen.	Panch	Yes	V.W.S.C	9050521821	मुमताज
3	Paramjeet Kaur	F	Gen.	Panch	Yes	V.W.S.C	8073508295	Paramjeet Kaur
4	Santosh	F	SC	A.W.W	Yes	V.W.S.C	8708343139	संतोष
5	Parvesh Kumari	F	SC	Helper	Yes	V.W.S.C	9896848198	परवेश कुमारी
6	Meenakshi	F	SC	Helper	Yes	V.W.S.C	8708523230	Meenakshi
7	Ram Kumar	M	BC	Farmer	Yes	V.W.S.C	9050443137	[illegible]
8	Manjeesh	M	BC	H.W	Yes	V.W.S.C	9846072319	Manjeesh
9	Umander	M	Gen	Farmer	Yes	V.W.S.C	9896398636	
10	Lovely Kumar	M	SC	operator	Yes	V.W.S.C	9188246901	[illegible]
11	Mohmmad Yami	M	BC	Farmer	Yes	V.W.S.C	9991033400	[illegible]
12	Naresh	M	Gen	Farmer	Yes	V.W.S.C	8199070150	Naresh Kumar
13	Krishan Kumar	M	SC	operator	Yes	V.W.S.C	7988721830	कृष्ण कुमार
14	Jaswant	M	Gen.	Farmer	No	—	9729104392	जसवंत
15	Mahi Ram	M	SC	Labour	No.	—	8930076739	महीराम
16	Mahinder Pal	M	Gen.	Farmer	No	—	9050947178	[illegible]
17	Jagdish	M	BC	Farmer	No	—	9050332-87	Jagdish

ATTENDANCE SHEET

Gram Panchyat:- Pinjora Meeting :- Gram Sachivalya 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	Pinki Devi	F	SC	H.W	No	—	8053098663	Pinki
19	Suman Devi	F	BC	H.W	No	—	9671294321	सुमन
20	Basant	M	SC	Labour	No	—	9671277314	Basant
21	Shambhu	M	BC	Farmer	No	—	9671612934	[illegible]
22	Ram Kumar	M	Gen	Farmer	No	—	9050947151	[illegible]
23	Suman Lata	F	SC	H.W	No	—	9050572527	[illegible]
24	Lovely Kumari	M	SC	Student	No	—	8169246901	[illegible]