Water Security Plan Report

Click Here For Upload WSP

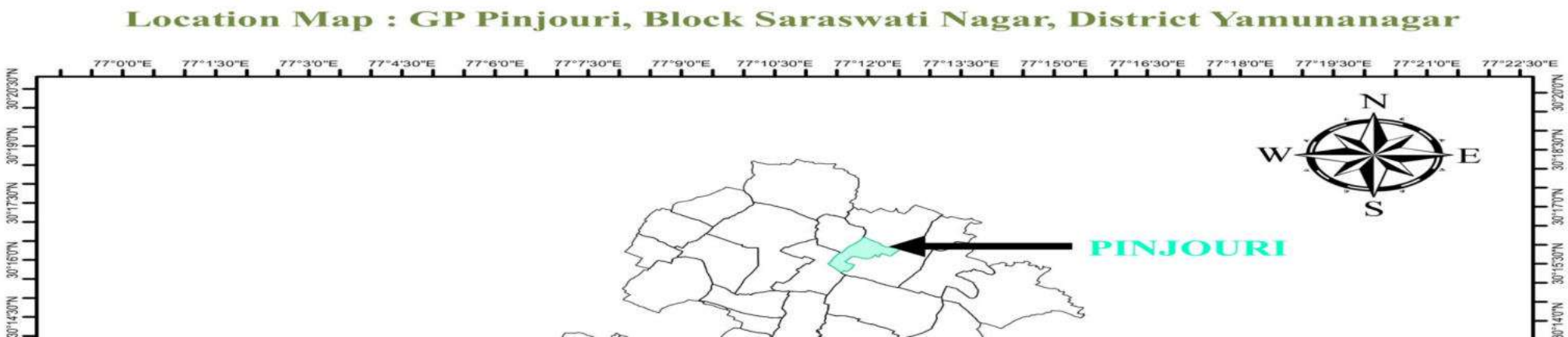
Date : 30/ 03/ 2024 Time : 11:51 AM User Name : Dr. Prabhat

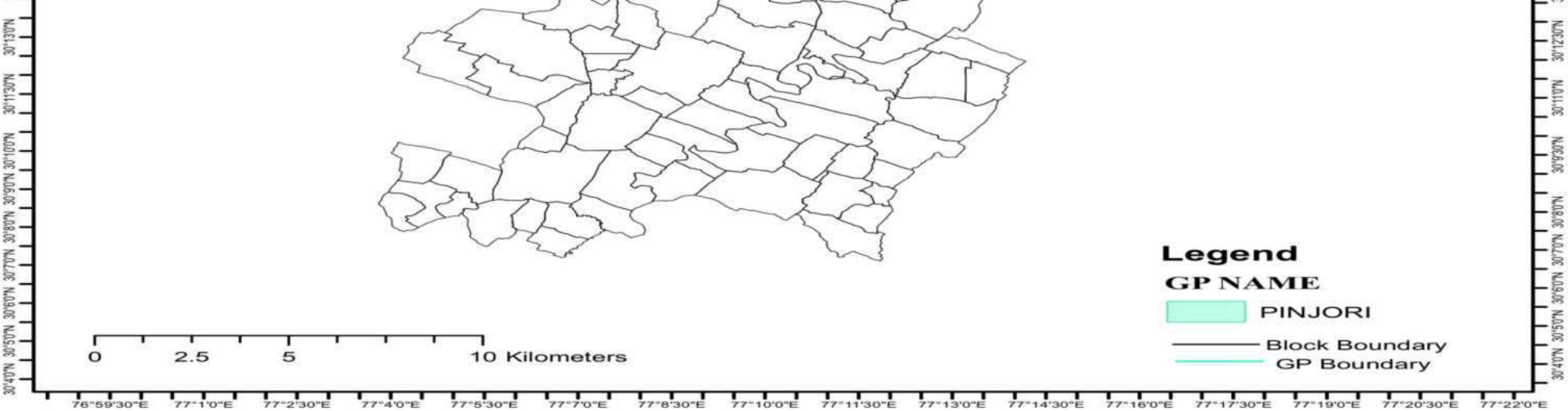
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: PINJORI_33465 » YEAR: 2024-25 »

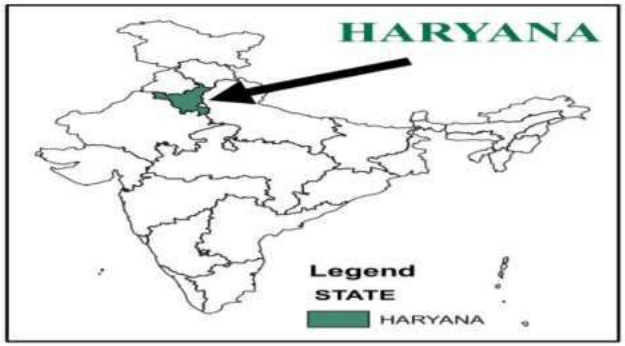
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Pinjori_33465
GP ID :	33465	Block Area (Ha) :	20267.2000
GP area (Ha) :	115.0000	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

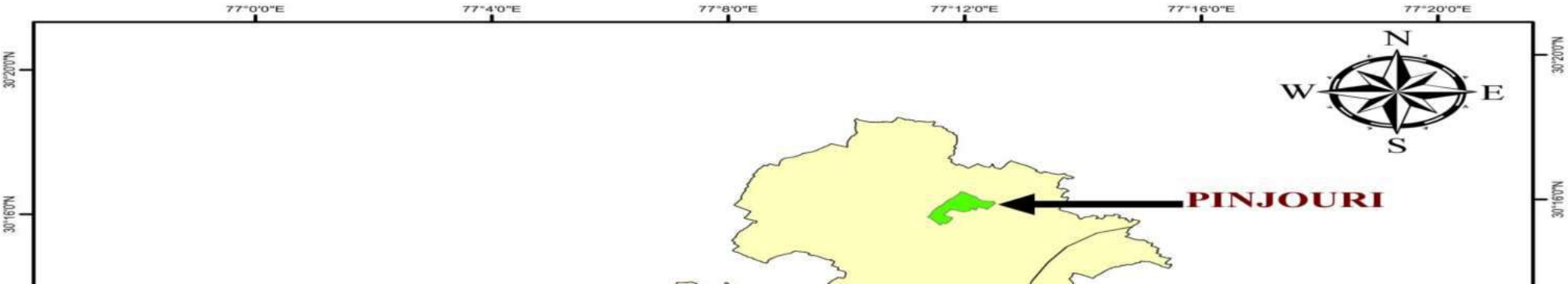


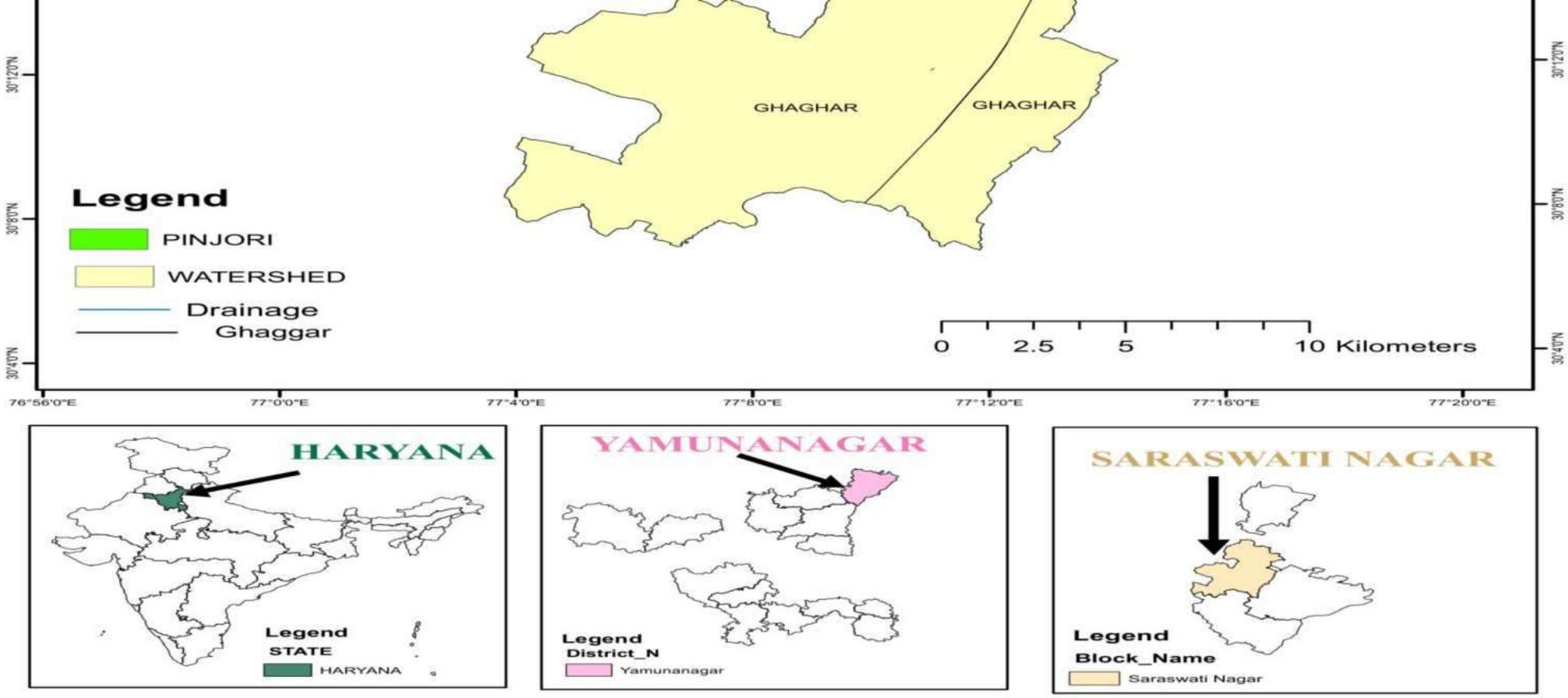




Watershed Map

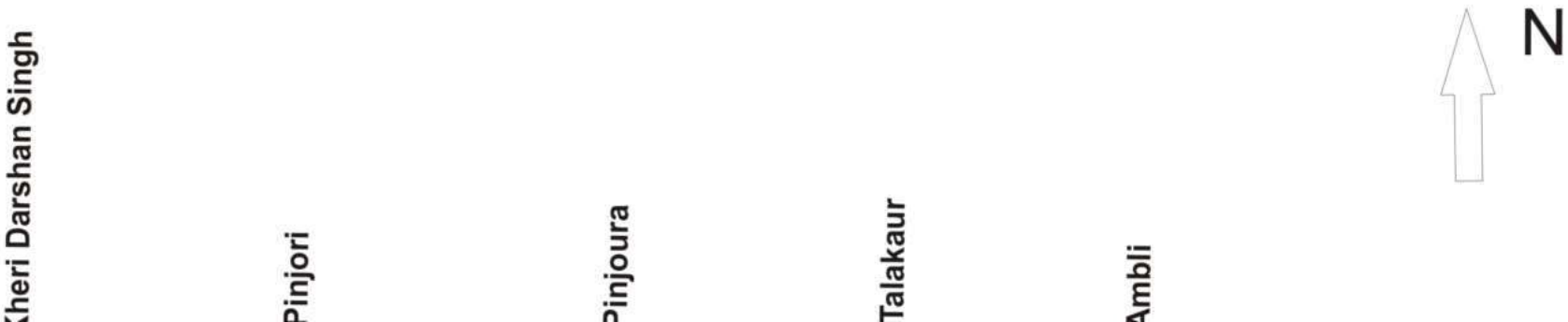
Watershed & Drainage Map : GP Pinjouri, Block Saraswati Nagar, District Yamunanagar

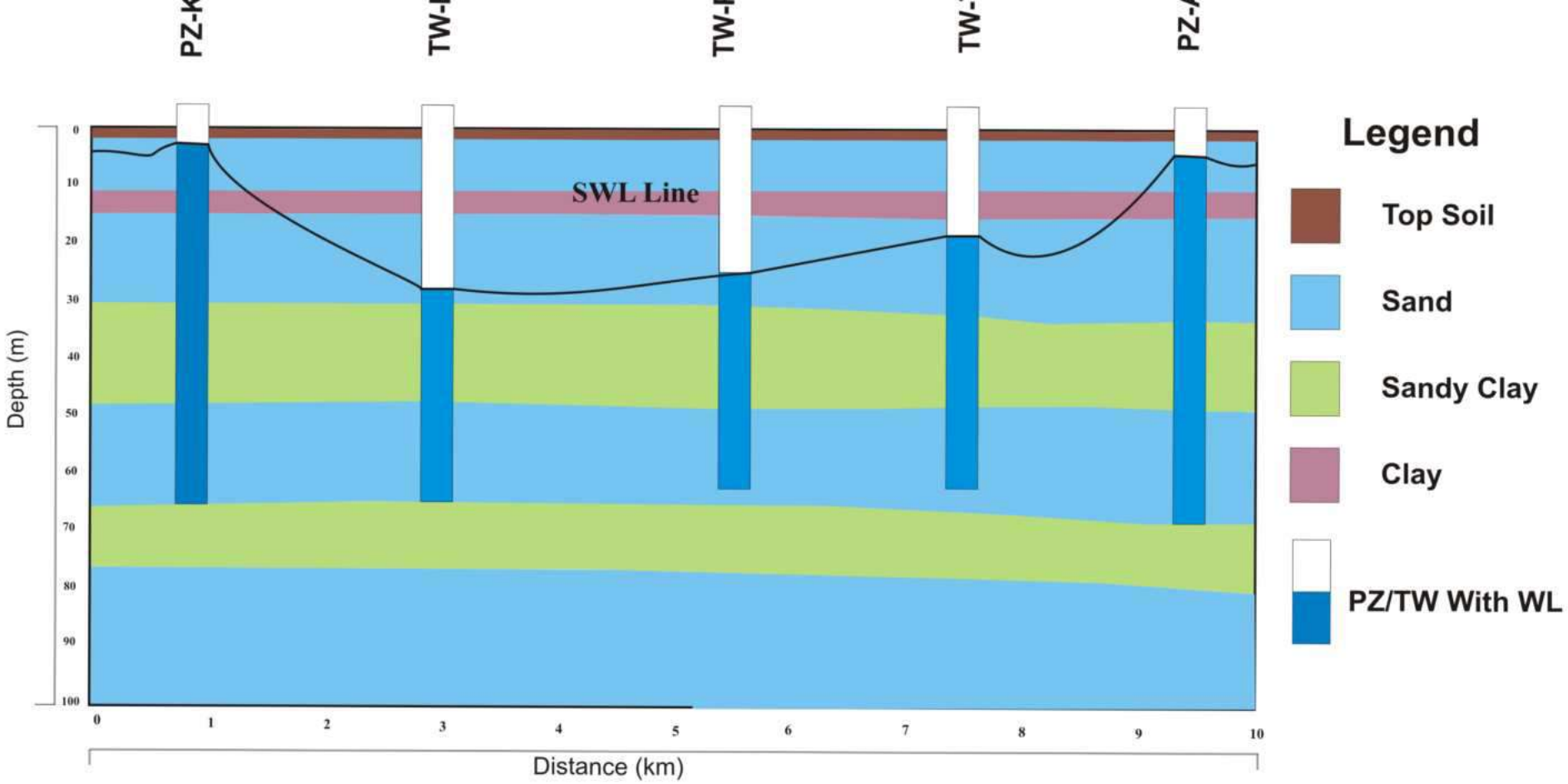




Aquifer Map

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)	Water Level Date
1	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	27.41	2024-02-17
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	27.50	2024-01-22
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	28.70	2023-12-26

	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	28.95	2023-11-29
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	29.62	2023-10-30
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	29.7	2023-09-30
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	29.2	2023-08-31
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	29.9	2023-07-30
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	31.8	2023-06-28
	Pinjori	Pinjori to pinjora link road	30.26652	77.19865	2023-05-31	033465-001	Tube Well		Private		0.2500	62.00	0.20	30.5	2023-05-31

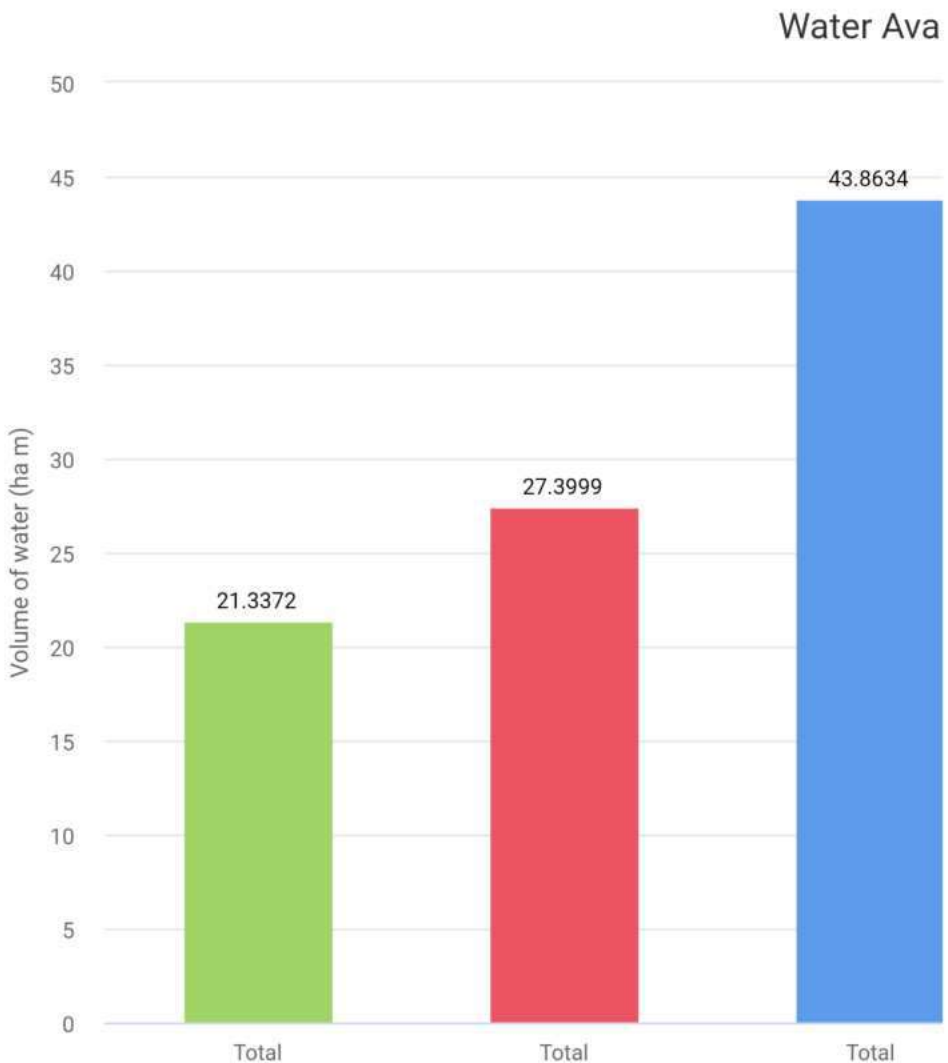
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Pinjori	Pinjori	30.269497	77.200233	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Pinjori _001
2	Pinjori	Pinjori	30.265499	77.196671	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_Pinjori _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_Pinjori_001	20	UNCONFINED	7	1224	746	258	56	28.7	81	1.3	0	310	75	126	0.69	7.56
2	ABY_YMR_SNAGAR_Pinjori_002	18	UNCONFINED	7.1	1178	719	272	66	26	81	1.3	0	310	64	91	0.69	8.96

Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	205.3601
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	51.7212
e.	Estimated Water Available From Rainfall (ha m)	153.6389
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	46.0917
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	17.1081
(ii)	Non-Monsoon	4.2291
	Total Ground Water Recharge from rainfall (ha m)	21.3372
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	15.8610
(ii)	Non-Monsoon	11.5389
	Total Ground Water Recharge from other sources (ha m)	27.3999
c.	Losses Due to Natural Discharge (ha m)	4.8737
	Total Ground Water Available (ha m)	43.8634
d.	Ground Water Withdrawal (ha m)	88.4465
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	1.5
	Total Storage Capacity of the surface water bodies (ha m)	1.5000
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	1.3500
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	1.3500
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	45.2134

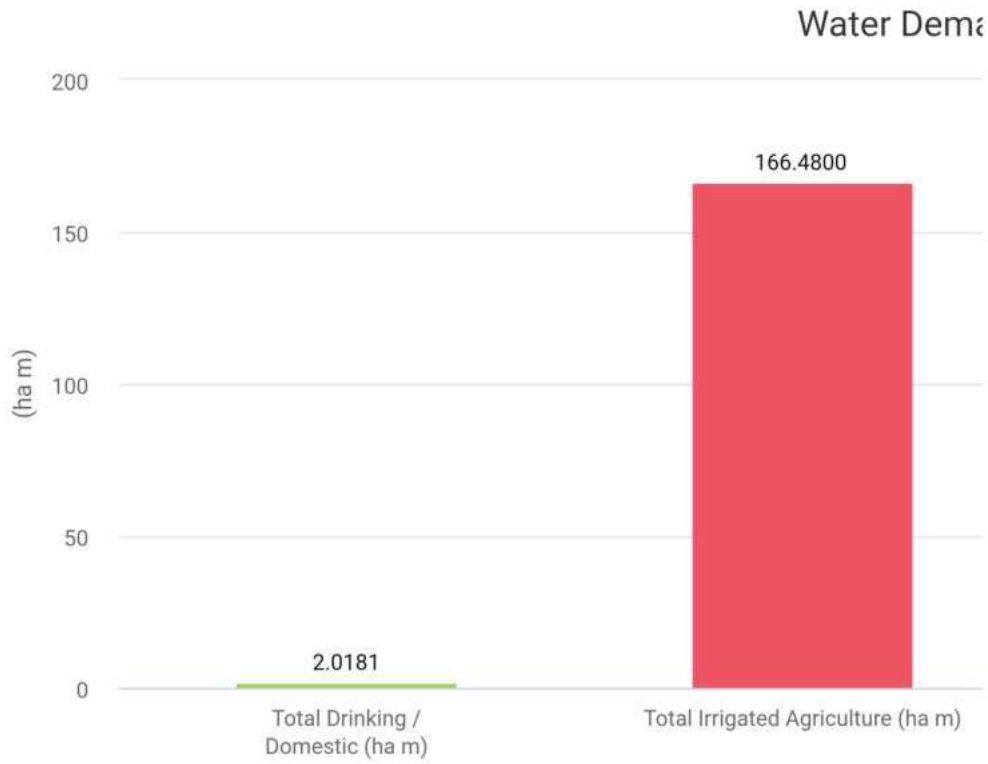
Ground Water Recharge from rainfall (ha m)

Ground Water Recharge from other sources (ha m)

Ground Water Available (ha m)

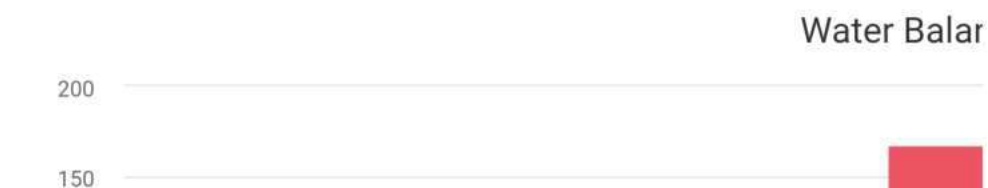
Water Demand Report

Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.0758
ii)	From Ground Water	1.9423
	Total Drinking /Domestic (ha m)	2.0181
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	166.4800
	Total Irrigated Agriculture (ha m)	166.4800
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

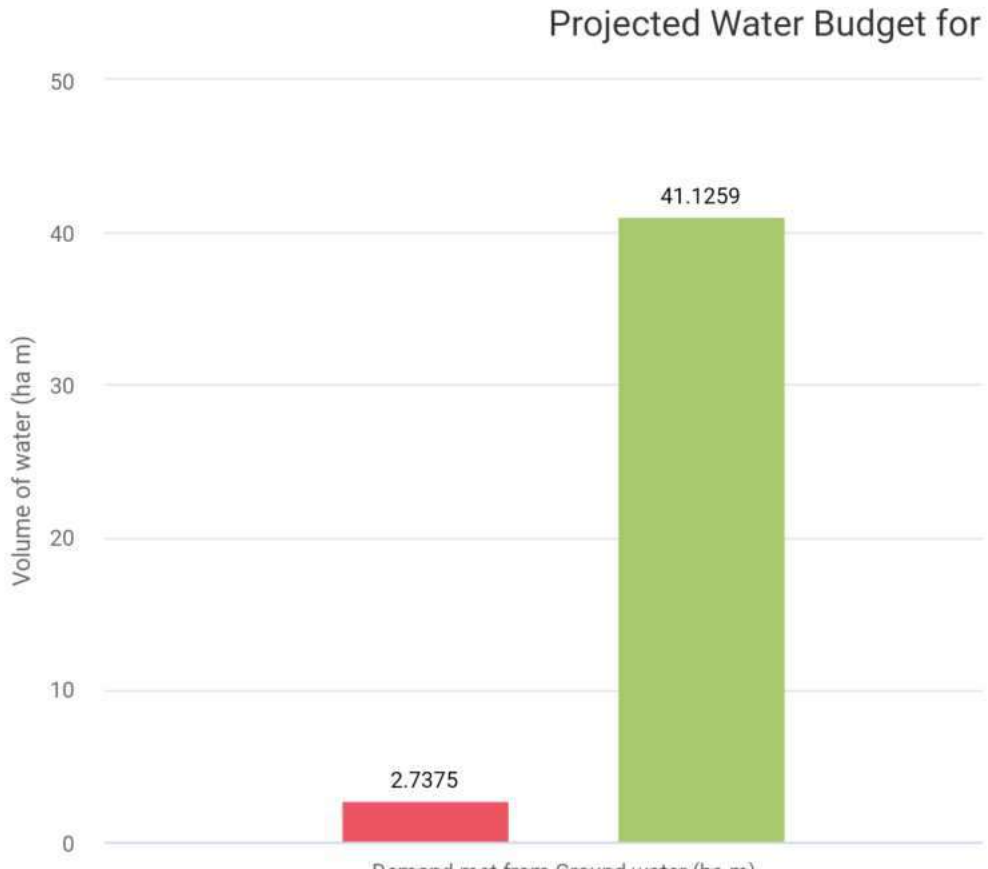
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	43.8634
ii)	Total Surface Water Available	1.3500
	Total Water Availability (ha m)	45.2134



B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.0758
ii)	Total Ground Water Demand	168.4223
	Total Water Demand	168.4981
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-124.5589
ii)	Total Surface Water Balance	1.2742
	Total Water Balance	-123.2847

Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	626.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	864.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	1.7345
II	Livestock	
i)	Present livestock population	161.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	213.0000
v)	Average per capita requirement (L)	129.0062
vi)	Projected water requirement for livestock (as in 2050) (ha m)	1.0030
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)	2.7375
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)	2.7375
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	41.1259
ii)	Surface water	1.3500
iii)	Total water available for future irrigation	42.4759

Demand met from Ground water (ha m)

Projected water requirement for humans and livesto

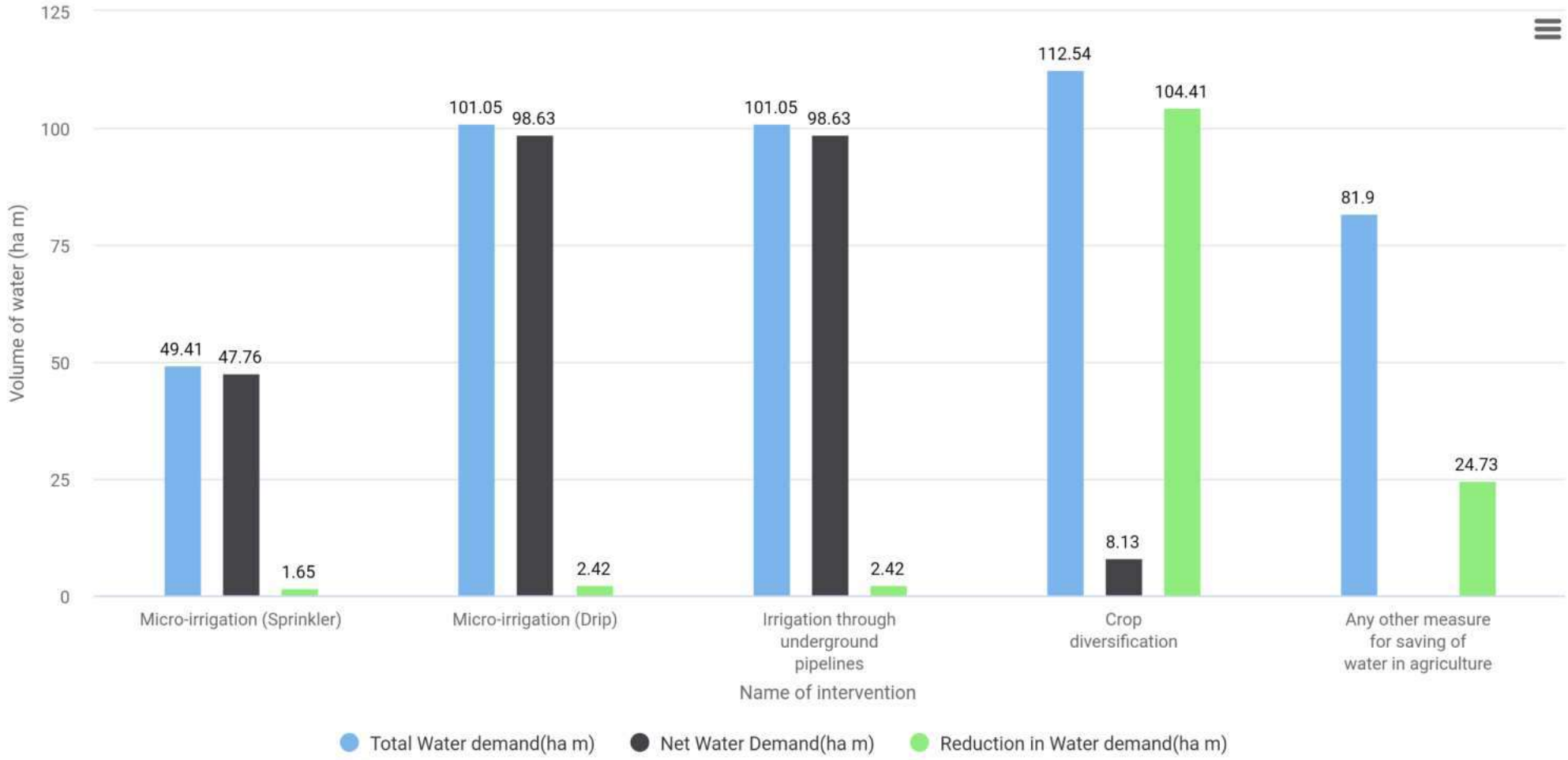
Demand Side

Total Area under Conventional Irrigation (ha) : 197.88

Demand Side						
Sr No	Name of Intervention	Proposed Area(ha)	Total Water demand(ham)	Net Water Demand(ham)	Reduction in Water demand(ham)	Approximate cost(in lakh)
1	Sprinkler	10.0000	49.4100	47.7600	1.6500	11.2000
2	Drip	11.0000	101.0500	98.6300	2.4200	16.8300
3	Pipelines	11.0000	101.0500	98.6300	2.4200	2.7500
4	Crop Diversification	17	112.5400	8.1300	104.4100	2.9400
5	Other Measures	100.0000	81.9000	--	24.7300	5.5100
	Total	149.0000	445.9500	253.1500	135.6300	39.2300

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	50	2024-25	Agriculture & Farmer Welfare Department	Rashtriye Krishi VikasYoajan (RKVY)	1.85
2	Sprinkler	10	2024-25	MICADA	PMKSY(Per Drop More Crop)	11.2
3	Drip	11	2024-25	MICADA	PMKSY(Per Drop More Crop)	16.83
4	UG Pipelines	11	2024-25	Agriculture & Farmer Welfare Department	Other	2.75
5	Crop Diversification	7	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	1.21
6	Crop Diversification	10	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	1.73
7	Other Measures	1	2024-25	Department of Horticulture	Other	0.16
8	Other Measures	19	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	0.5
9	Other Measures	30	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	3
	Total	149				39.2300

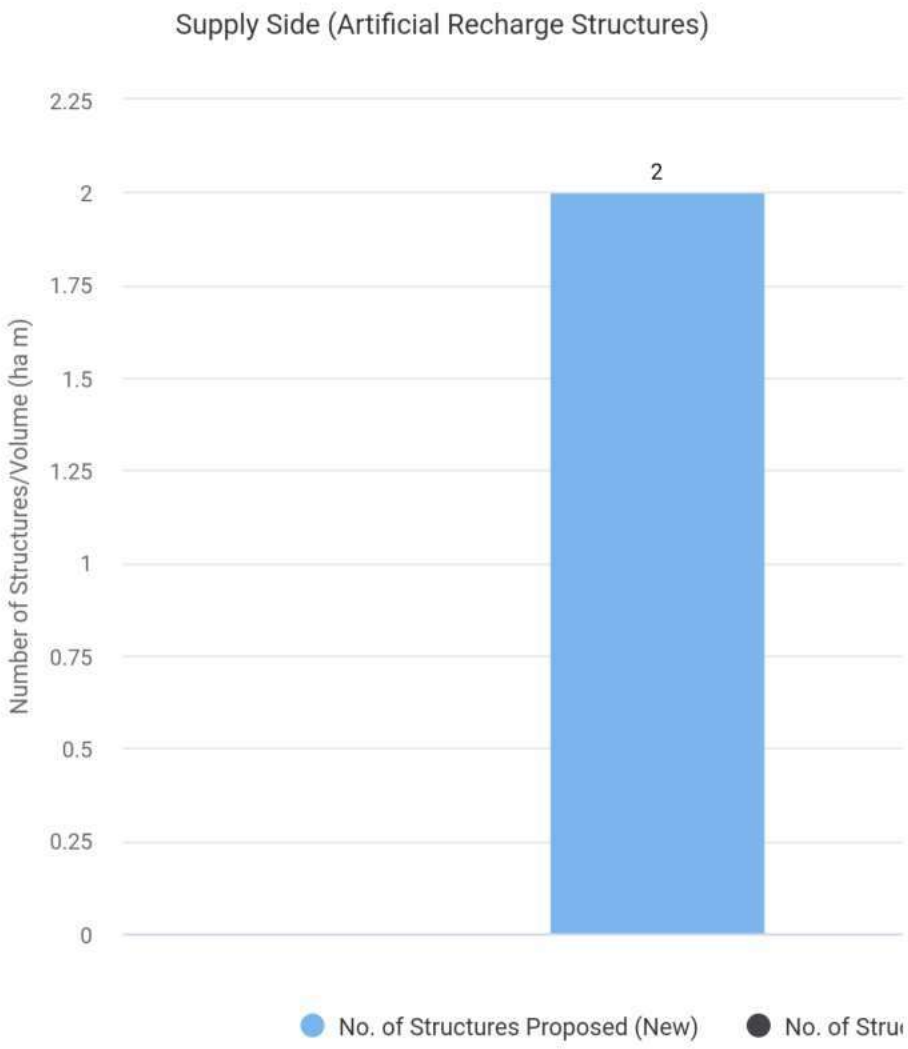
	Total	149				39.2500

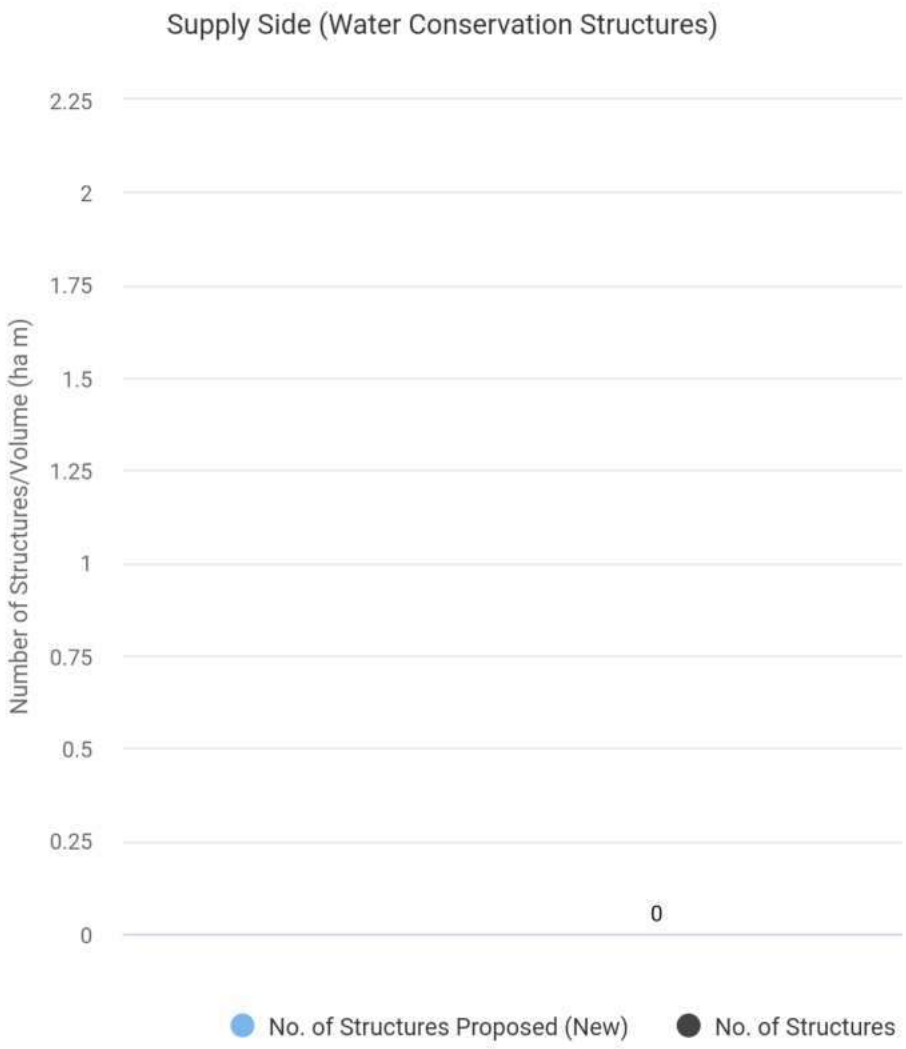


Supply Side

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	Panjauri (353)	30.2648	77.1964	2024-25	Rural Department and Panchayati Raj	MGNREGA	0.62
2	piezometer(New)	0	0.00	Panjauri (353)	30.265955	77.196313	2024-25	Irrigation & Water Resource Development	Other - Atal bhujal Yojana	6
	Total	0.0018	0.0027							6.6200

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	Pond/Amrit Sarovar(Renovation)	0.92	0.552	Panjauri (353)	30.2648	77.1963	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	12.84
2	Pond/Amrit Sarovar(Renovation)	0.74	0.444	Panjauri (353)	30.2677	77.199	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	10.27
	Total	1.6600	0.9960							23.1100





PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	ROHIT KUMAR	MEMBER	Male	8221043051
2	PARAMJEET KAUR	MEMBER	Female	9355285924
3	SURESH BALA	MEMBER	Male	9050057357
4	DAYA RANI	MEMBER	Female	7027822335
5	ARUN KUMAR	MEMBER	Male	8708726317
6	RAJ KUMAR	JE	Male	9729203036
7	SARABJEET KAUR	CHAIRPERSON	Female	9813525265
8	MEENA KUMARI	MEMBER	Female	9896418343
9	RITU KAUR	MEMBER	Female	8813913788
10	RAKESH KUMAR	MEMBER	Male	8222892224
11	SARABJEET KAUR	MEMBER	Female	7416818489
12	PARAMJEET KAUR	MEMBER	Female	8059207475
13	ROHIT KUMAR	MEMBER	Male	8221043051
14	NARESH KUMAR	MEMBER	Male	8397874903
15	RAZEED	GRAM SACHIV	Male	9991971842
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	Pinjori_33465	2024-02-07	Pinjori_33465	Panjauri (353)	sarpanch baithak	11	13	0	24

Photograph

GPS Map Camera
Panjaura, Haryana, India
759X+JGJ, Panjaura, Haryana 133103, India
Lat 30.269145°
Long 77.199017°
07/02/24 11:53 AM 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 Pinjosi 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

Tarveen Kumar
G.W.E. DPMU

Minutes of Meeting

Village Name: Pinjari Block: Saraswati Nagar District: Yamunanagar

Meeting Place: Sarpanch House Lat. No. 30-269145° Long No. 77.199017°

Date: 7/2/24

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

अटल भू-जल के अंतर्गत आज दिनांक 7/2/24 को ग्राम पंचायत पिंजारी में सरपंच श्री अजीत सरबजीत कौर 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 जोहड़ का पुनर्निर्माण किया जाये।
2) किसानों को खेती में ड्रिप और फुव्वारा सिंचाई विधि बढ़ाई जाये।
3) ग्राम पंचायत में स्कूल या धर्मशाला में सेफ्टी टैंक व RTRWHS बनाये जाए
4) खेतों में DSR विधि से धान की बुवाई की व्यवस्था की जाए
5) खेतों में फसल अवशेष प्रबंधन की व्यवस्था की जाये

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

ANNEXURE III

RESOLUTION

Date: 7/02/2024

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat Pimjori Block Taluk Mandal Sarswati 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	Sarabjit Kaur	Sarabjit Kaur
2	Gram Panchayat Secretary	Rajid Khan	

ATTENDANCE SHEET

Gram Panchayat:- Pinjori Meeting :- Surpanch House 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	Sarabjeet KOUR	F	Gen	Sarpanch	Yes	V.W.S.C	9813525265	Sarbajeet Kour
2	meena Kumari	F	SC	Panch	Yes	V.W.S.C	9896418343	मीना कुमारी
3	Rohit Kumar	m	SC	Farmer	Yes	V.W.S.C	8221043051	Rohit
4	Paramjeet Kour	F	Gen	A.W.W	Yes	V.W.S.C	9355785924	Parajeet
5	Suresh Bala	F	SC	Panch	Yes	V.W.S.C	9050577557	[illegible]
6	DAYA RANI	F	SC	Panch	Yes	V.W.S.C	7027822335	दयारानी
7	Sarabjeet Kour	F	Gen	A.W.W	Yes	V.W.S.C	7419818489	Sarbjeet
8	Paramjeet Kour	F	Gen	Panch	Yes	V.W.S.C	8059207475	Paramjeet
9	Ritu Kour	F	SC	Helper	Yes	V.W.S.C	9813913788	Ritu Kour
10	Rohit Kumar	m	Gen	Farmer	Yes	V.W.S.C	8221043051	Rohit
11	Rakesh Kumar	m	SC	Farmer	Yes	V.W.S.C	8222289224	राकेश
12	Arun Kumar	m	SC	Farmer	Yes	V.W.S.C	8708726317	Arkumar
13	Naresh Kumar	m	SC	Farmer	Yes	V.W.S.C	8397874903	Naresh
14	Arun Kumar	M	SC	Farmer	No	—	9350539303	Arun Kumar
15	Parmilakumari	F	S.C.	H.W	No	—	9813544919	परमिला
16	Dimpal	F	S.C.	Student	No	—	9813824305	Dimpal
17	Sunil kumar	m	SC	Farmer	No	—	9350539303	Sunil Kumar

ATTENDANCE SHEET

Gram Panchayat:- Pihyori Meeting :- 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	Meena Kumari	F	SC	Panch	No	—	9896418343	मीनाकुमारी
19	Sarvjeet Kaur	F	Gen.	Jal Saheli	Yes	V.W.S.C	7419818489	Sarabjeet Kaur
20	Jaipal Singh	M	Gen.	Farmer	NO	—	9991513043	जयपाल
21	Aman	M	SC	student	NO	—	9813205982	Aman
22	Harbans Kaur	F	Gen.	H.W	NO	—	9050323247	Harbans Kaur
23	ASHOK KUMAR	M	SC	Farmer	NO	—	8053961534	[illegible]
24	Dharmej	M	SC	Farmer	NO	—	9813739770	धर्मेश