

Water Security Plan Report

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Date : 30/ 03/ 2024 Time : 11:48 AM User Name : Dr. Prabhat

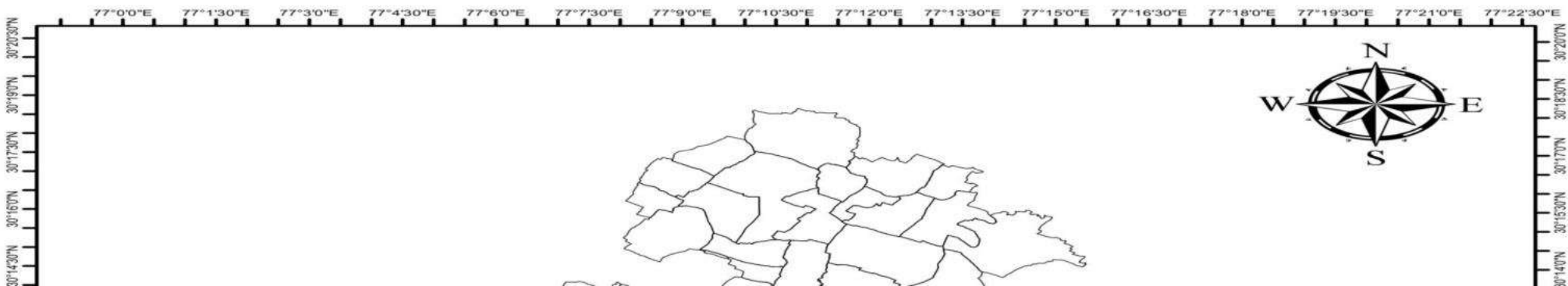
STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SARASWATI NAGAR_563 » GRAM PANCHAYAT: MEHMAD PUR_33459 » YEAR: 2024-25 »

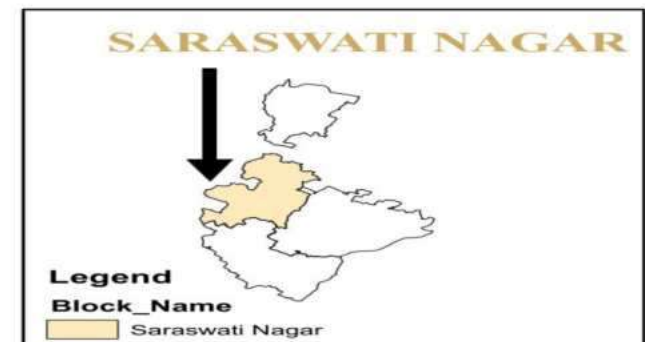
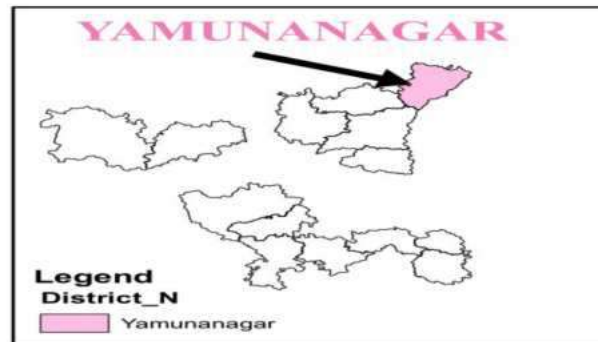
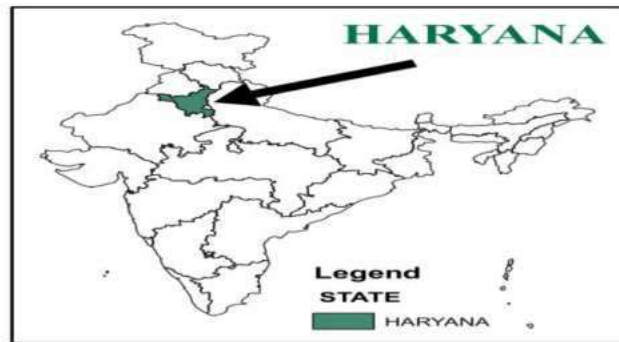
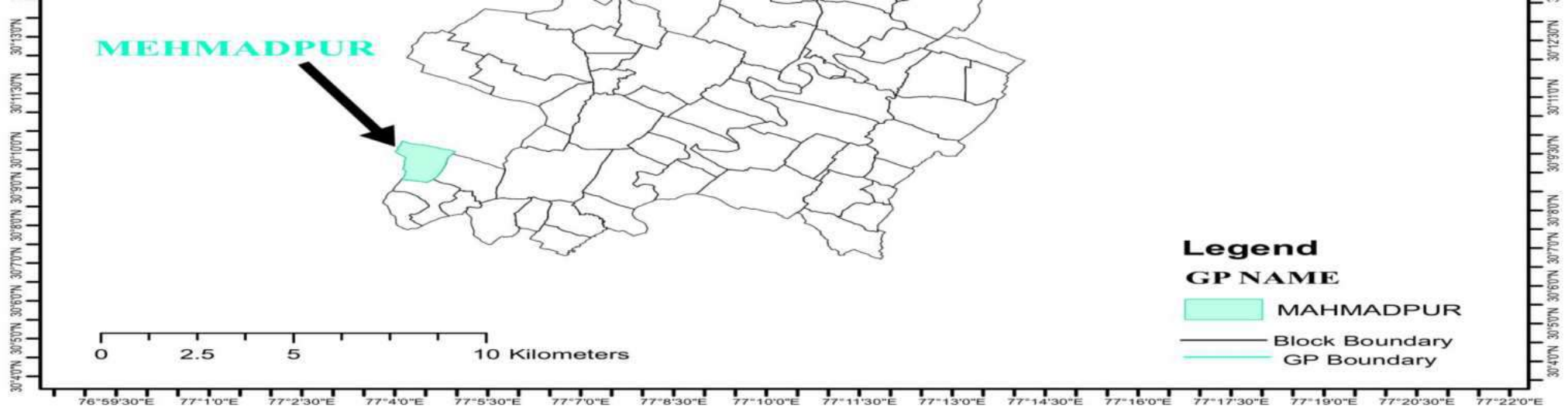
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Saraswati Nagar_563	GP Name :	Mehmad Pur_33459
GP ID :	33459	Block Area (Ha) :	20267.2000
GP area (Ha) :	189.0000	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

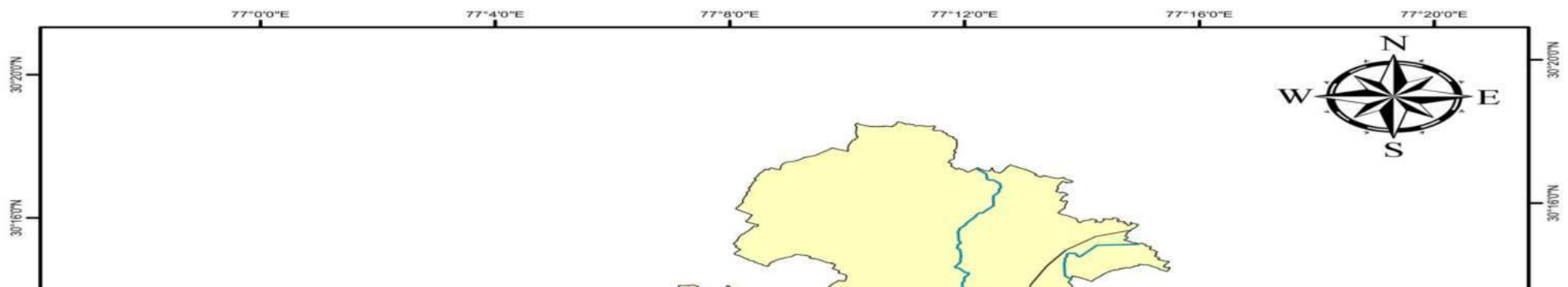
Location Map : GP Mehmadpur, Block Saraswati Nagar, District Yamunanagar

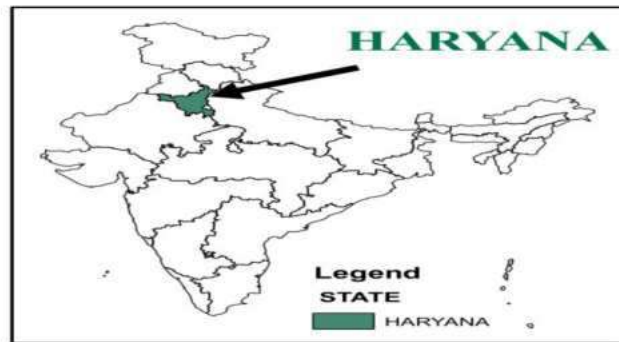
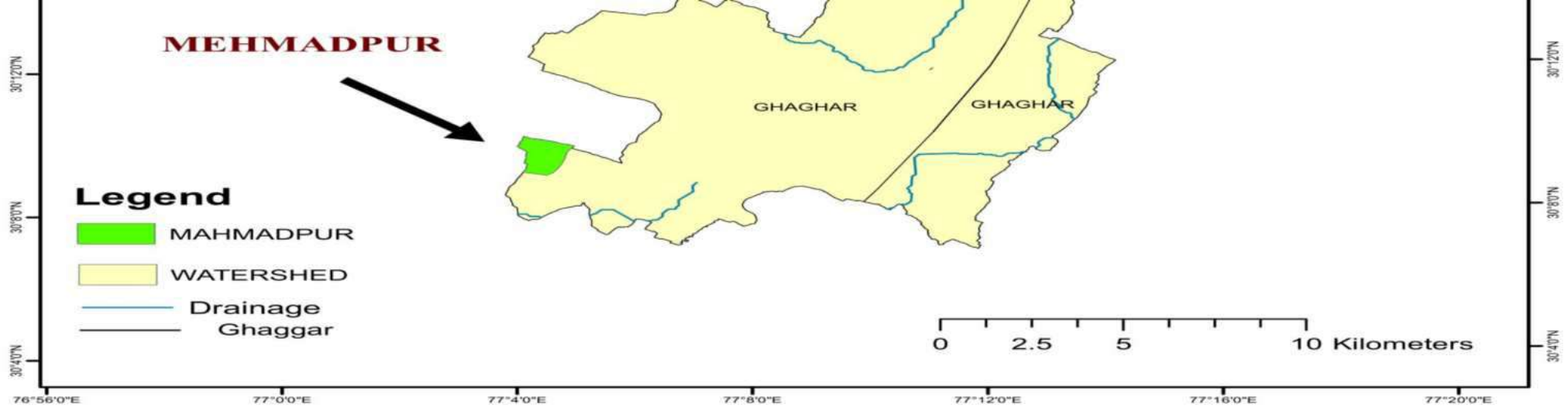




Watershed Map

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





Aquifer Map

Aquifer Map of Mehmad Pur, Bir Balsuha, Hudia, Jamalpur, Bhure Ka Majra of Saraswati Nagar block of district Yamunanagar

Mehmad Pur

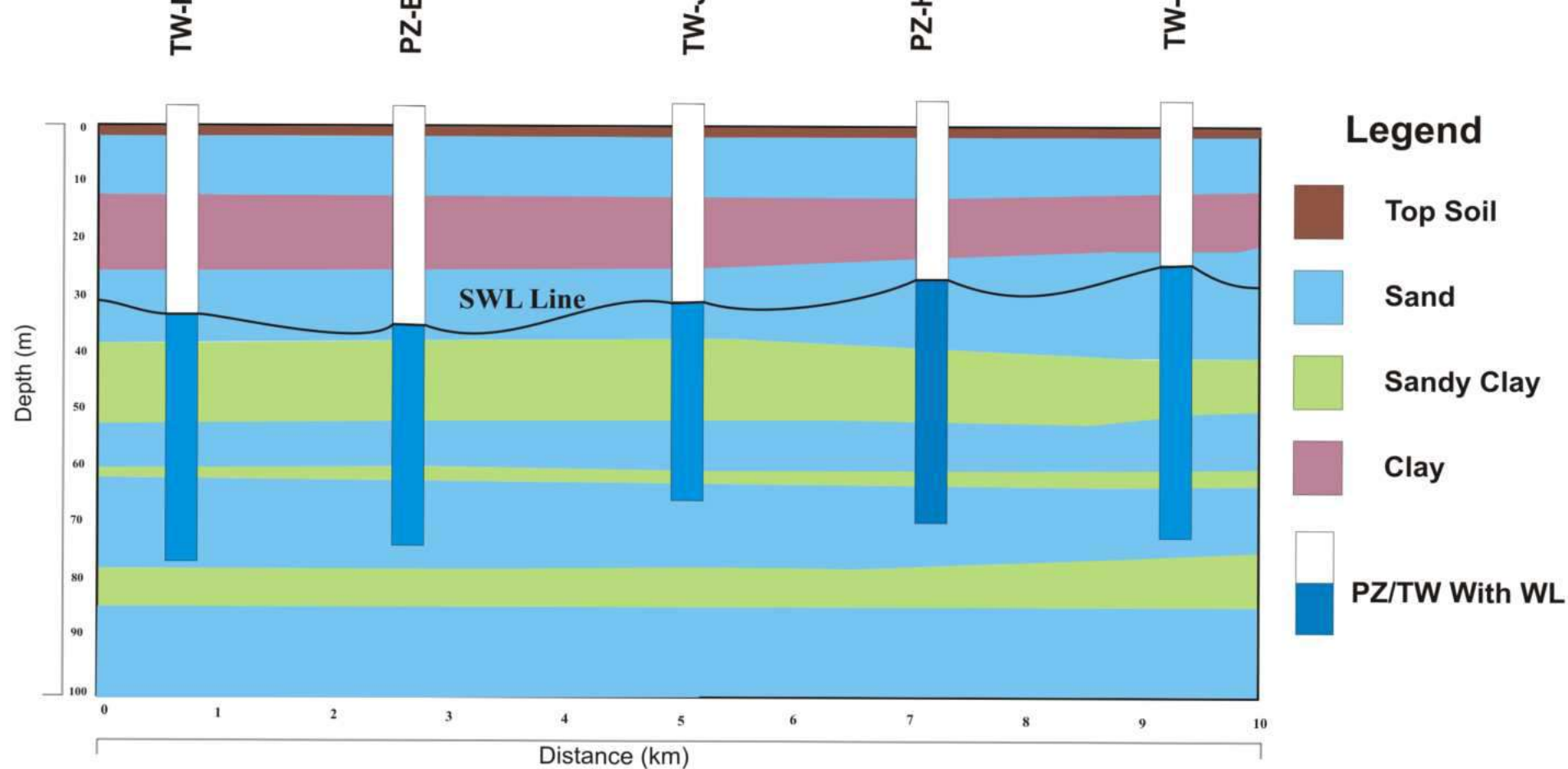
Bir Balsuha

Jamalpur

Hudia

Bhure Ka Majra





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	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	35.26	2024-02-08
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	35.30	2024-01-17
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	35.25	2023-12-24

	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	35.18	2023-11-29
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	35.43	2023-10-26
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	36.10	2023-09-30
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	36.40	2023-08-30
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	37.2	2023-07-31
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	36.5	2023-06-27
	Mehmadpur	Govt school	30.15739	77.07202	2023-05-25	033459-001	Others(Pl. Specify)	Tube well PHED	Private		0.2500	76.22	0.60	35.91	2023-05-25
2	Mehmadpur	Nera sarpanch house	30.16022	77.07298	2024-01-16	078791-002	Tube Well		Government	SGWB	0.1500	80.00	0.05	36.48	2024-02-06
	Mehmadpur	Nera sarpanch house	30.16022	77.07298	2024-01-16	078791-002	Tube Well		Government	SGWB	0.1500	80.00	0.05	37.14	2024-01-16
3	Mehmadpur	Jogi maholla	30.1596	77.07315	2024-01-16	492513-003	Bore Well		Government	SGWB	0.1500	80.00	0.10	37.18	2024-02-13
	Mehmadpur	Jogi maholla	30.1596	77.07315	2024-01-16	492513-003	Bore Well		Government	SGWB	0.1500	80.00	0.10	37.30	2024-01-16

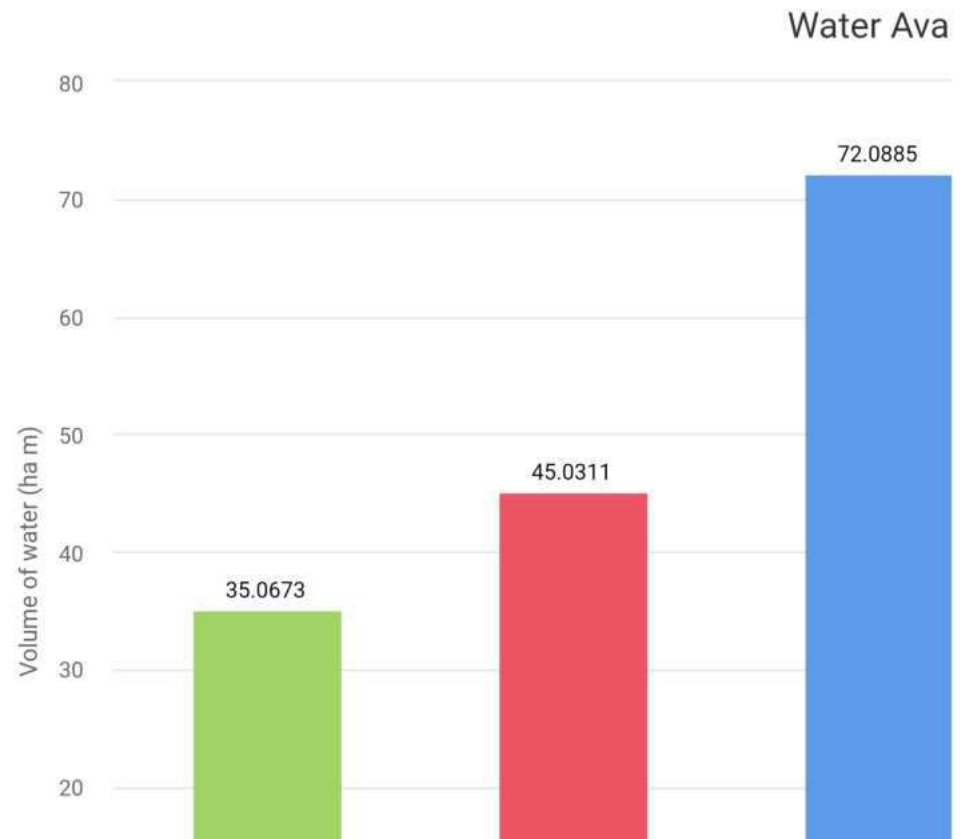
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	Mehmadpur	Mehmadpur	30.157036	77.072861	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Mehmadvpur _001
2	Mehmadpur	Mehmadpur	30.162003	77.073296	2022	Tube Well	I&WRD	ABY_YMR_S NAGAR_ Mehmadvpur _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_ Mehmadvpur_001	84	UNCONFINED	7.5	1124	685	276	56	33.1	52	0.9	0	310	61	164	0.68	7.52
2	ABY_YMR_S NAGAR_ Mehmadvpur_002	73	UNCONFINED	8.2	466	282	102	19.5	12.9	23.5	0.4	0	142	28	38	0.24	3.62

Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1785.7400
b.	Estimated Volume of Rainfall (ha m)	337.5049
c.	Evapotranspiration rate (mm)	449.7500
d.	Estimated Evapotranspiration losses (ha m)	85.0028
e.	Estimated Water Available From Rainfall (ha m)	252.5021
f.	Weighted Average Runoff Coefficient	0.3000
g.	Rainfall Runoff(ha m)	75.7506
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	28.1169
(ii)	Non-Monsoon	6.9504
	Total Ground Water Recharge from rainfall (ha m)	35.0673
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	26.0672
(ii)	Non-Monsoon	18.9639
	Total Ground Water Recharge from other sources (ha m)	45.0311
c.	Losses Due to Natural Discharge (ha m)	8.0099
	Total Ground Water Available (ha m)	72.0885

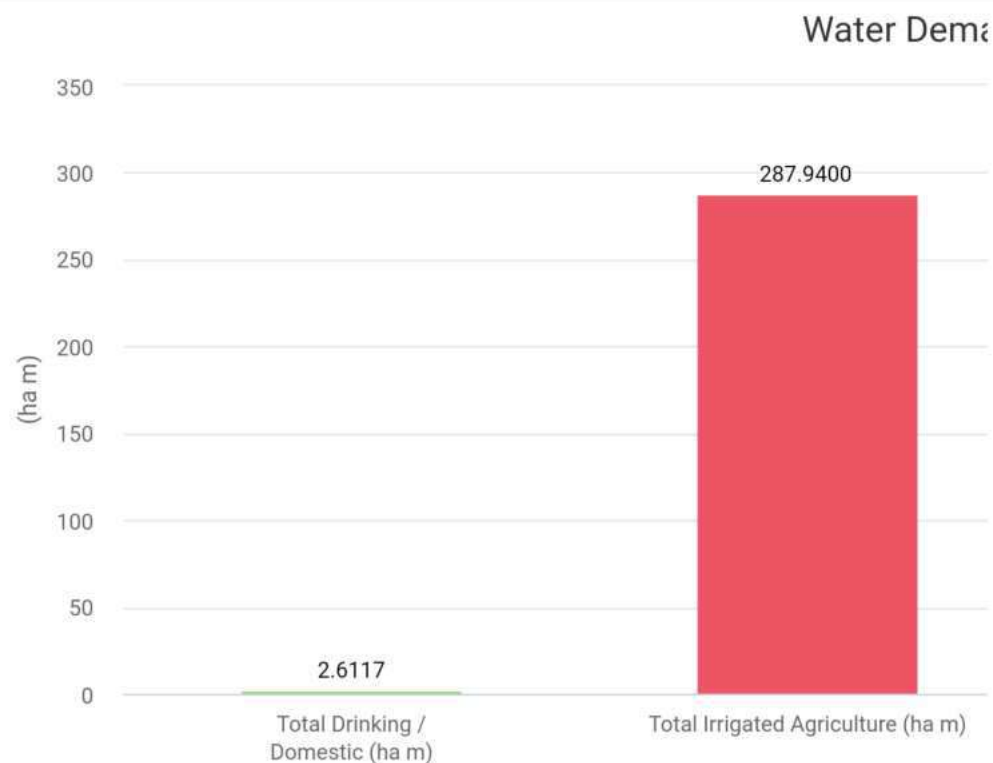


d.	Ground Water Withdrawal (ha m)	145.3599
3.	Surface Water	
a.	Surface Water available in storages	
(i)	Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structure	No. of Structures	Storage Capacity (ha m)
Ponds	1	0.55
	Total Storage Capacity of the surface water bodies (ha m)	0.5500
(ii)	Losses if Any (%)	10.0000
(iii)	Surface Water Available in Storages (ha m)	0.4950
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.4950
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	72.5835



Water Demand Report

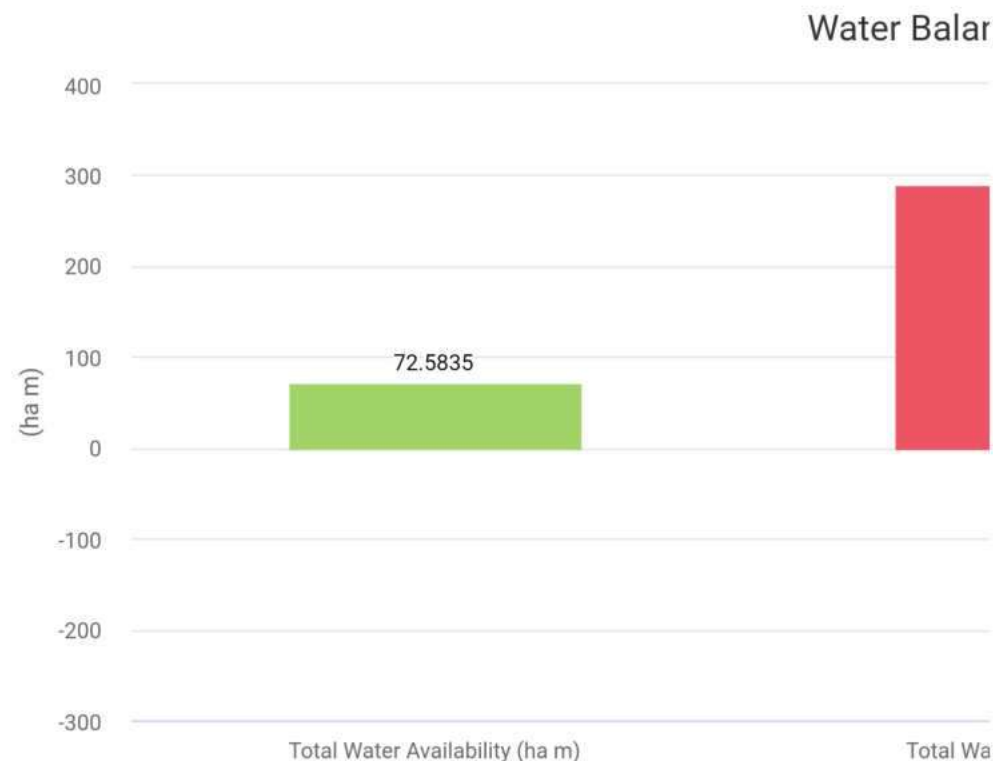
Water Demand		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.0692
ii)	From Ground Water	2.5425
	Total Drinking /Domestic (ha m)	2.6117
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.0000
ii)	From Ground Water	287.9400
	Total Irrigated Agriculture (ha m)	287.9400
C	Industrial Use (ha m)	
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

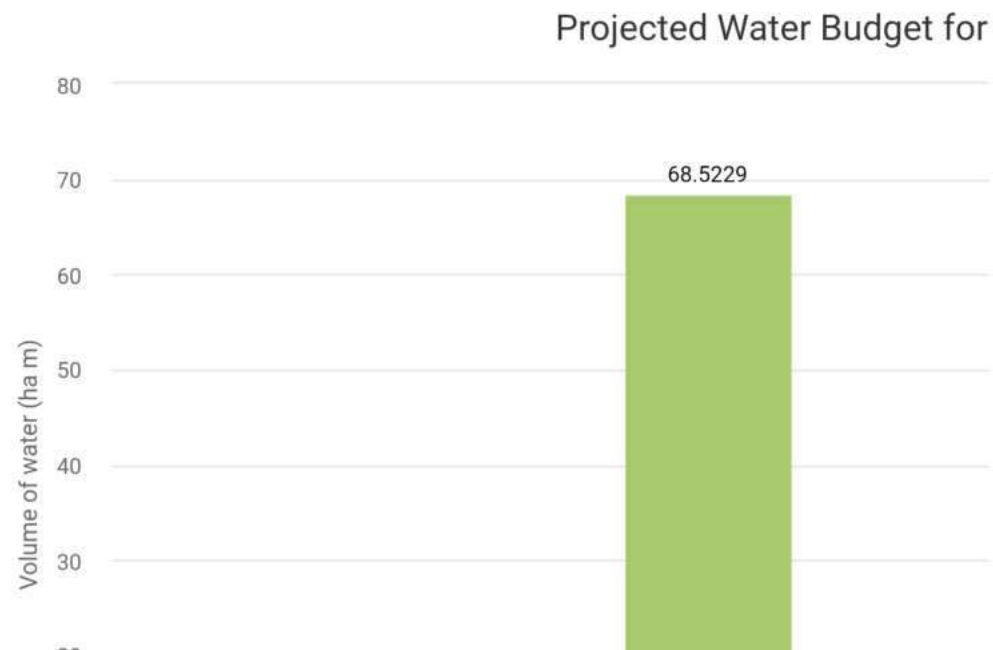
Water Balance Report

Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	72.0885
ii)	Total Surface Water Available	0.4950
	Total Water Availability (ha m)	72.5835
B	Water Demand (ha m)	
i)	Total Surface Water Demand	0.0692
ii)	Total Ground Water Demand	290.4825
	Total Water Demand	290.5517
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-218.3940
ii)	Total Surface Water Balance	0.4258
	Total Water Balance	-217.9682



Water Budget Report

A	Allocation for Drinking & Domestic Requirements	
I	Humans	
i)	Present Human Population	956.0000
ii)	Annual population growth rate (r)	1.2000
iii)	No. of years	27.0000
iv)	Projected human population (as in 2050)	1319.0000
v)	Per capita requirement (L)	55.0000
vi)	Projected water requirement for humans (as in 2050) (ha m)	2.6479
II	Livestock	
i)	Present livestock population	150.0000
ii)	Annual population growth rate (r)	1.0460
iii)	No. of years	27.0000
iv)	Projected livestock population (as in 2050)	199.0000
v)	Average per capita requirement (L)	126.3400
vi)	Projected water requirement for livestock (as in 2050) (ha m)	0.9177
B	Projected water requirement for humans and livestock (ha m)	



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)	3.5656
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)	3.5656
iv)	Demand met from Surface water (ha m)	
C	Water available for future irrigation	
i)	Ground Water	68.5229
ii)	Surface water	0.4950
iii)	Total water available for future irrigation	69.0179



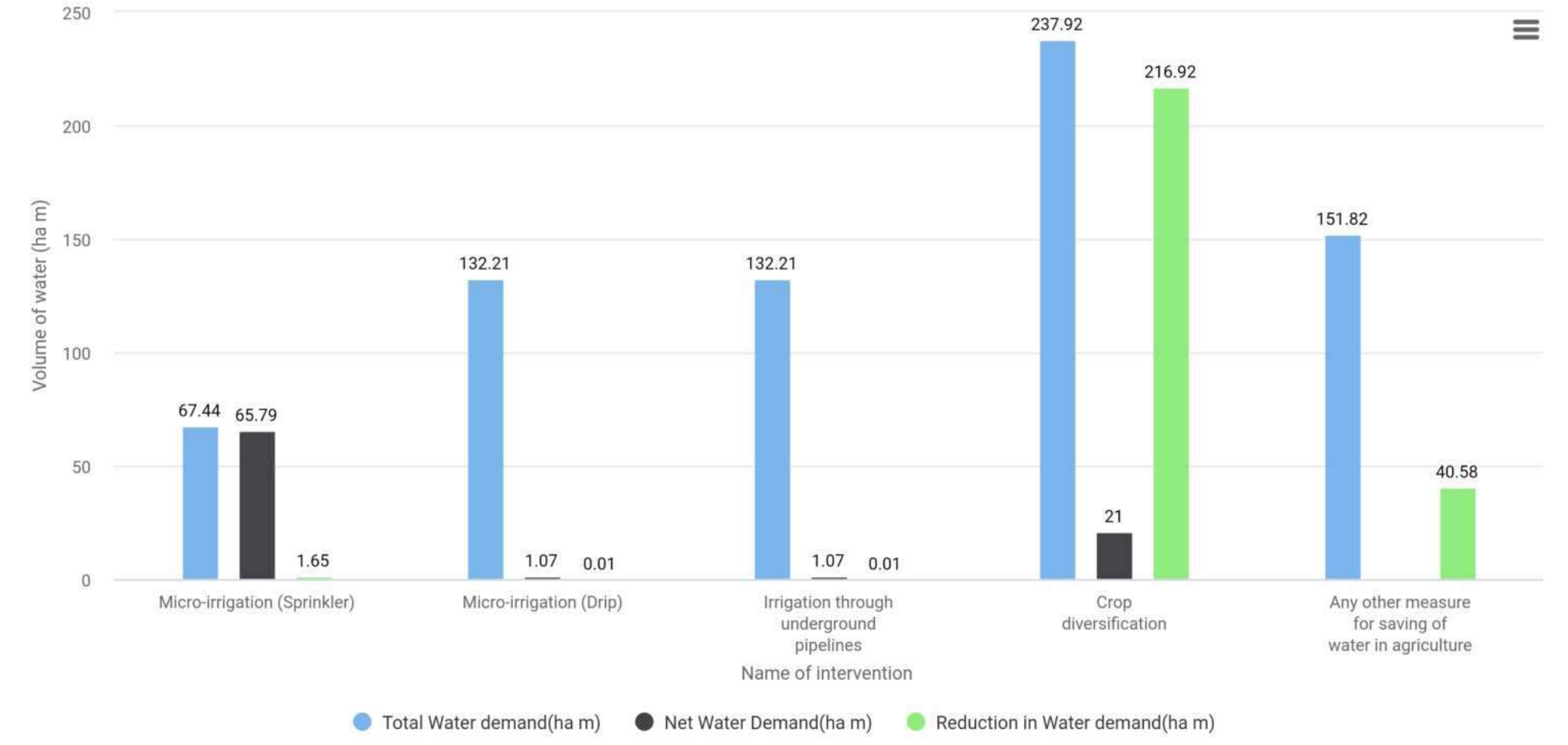
Demand Side

Total Area under Conventional Irrigation (ha) : 316.85

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	10.0000	67.4400	65.7900	1.6500	11.2000
2	Drip	9.0000	132.2100	1.0700	0.0100	13.7700
3	Pipelines	9.0000	132.2100	1.0700	0.0100	2.2500
4	Crop Diversification	42	237.9200	21.0000	216.9200	7.2660
5	Other Measures	178.0000	151.8200	--	40.5800	9.7150
	Total	248.0000	721.6000	88.9300	259.1700	44.2010

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	10	2024-25	MICADA	PMKSY(Per Drop More Crop)	11.2
2	Drip	9	2024-25	MICADA	PMKSY(Per Drop More Crop)	13.77
3	UG Pipelines	9	2024-25	Agriculture & Farmer Welfare Department	Other	2.25
4	Other Measures	4	2024-25	Department of Horticulture	Other	0.64
5	Crop Diversification	12	2024-25	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	2.076
6	Crop Diversification	30	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5.19
7	Other Measures	75	2024-25	Agriculture & Farmer Welfare	Rashtriye Krishi VikasYoajan (RKVY)	2.775

				Department		
8	Other Measures	48	2024-25	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	1.2
9	Other Measures	51	2024-25	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5.1
	Total	248				44.2010



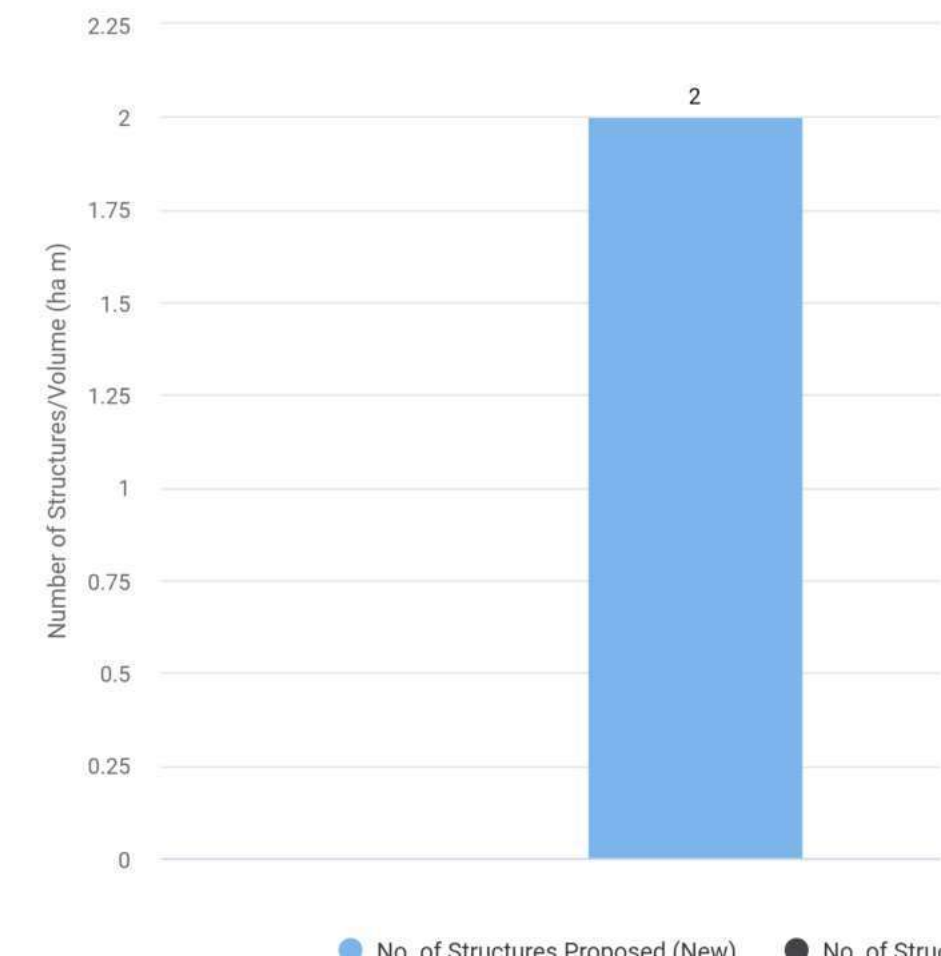
Supply Side

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	0.0018	0.002700	Mahmudpur	30.15894	77.07246	2024-25	Rural Department	MGNREGA	0.62

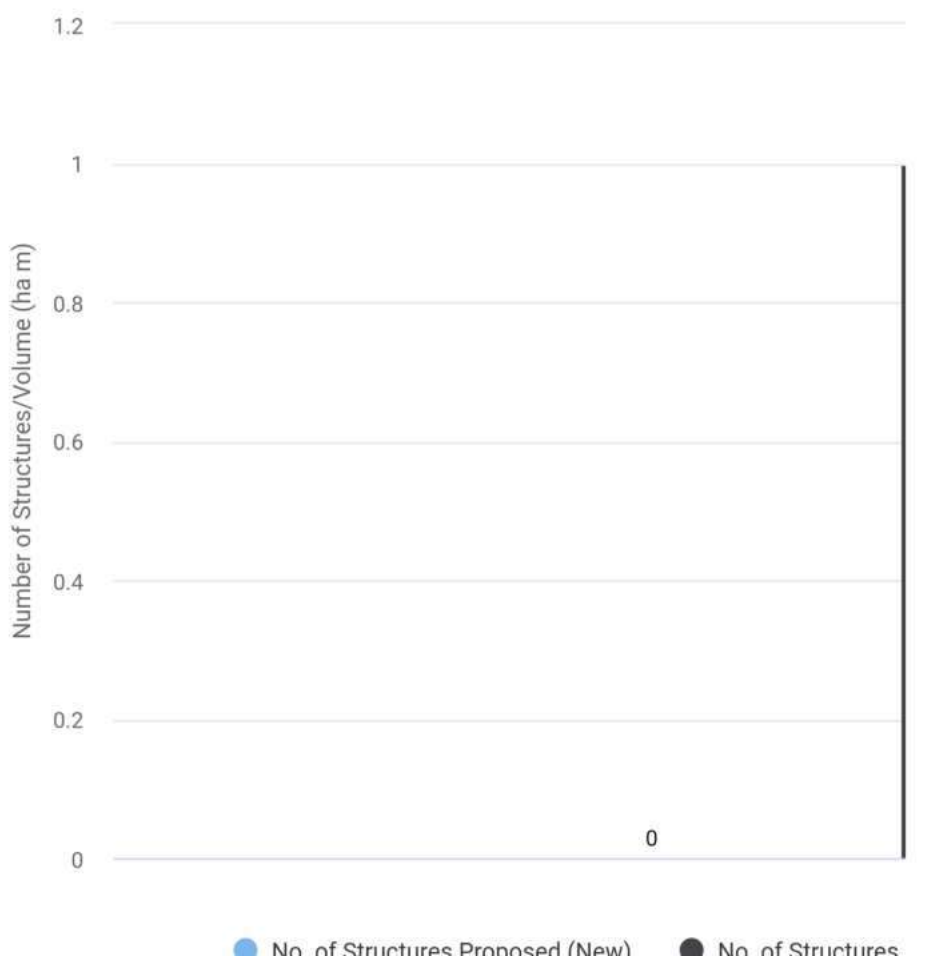
2	Shaft(New) roof top rain water harvesting system(New)	0.0061	0.018300	(135) Mahmudpur (135)	30.15915	77.07534	2024-25	Department of Education	CSR	4.5
	Total	0.0079	0.0210							5.1200

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)	0.55	0.330	Mahmudpur (135)	30.16013	77.07505	2024-25	Rural Department and Panchayati Raj	Amrit Sarovar	7.7
	Total	0.5500	0.3300							7.7000

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



PGWM Committee

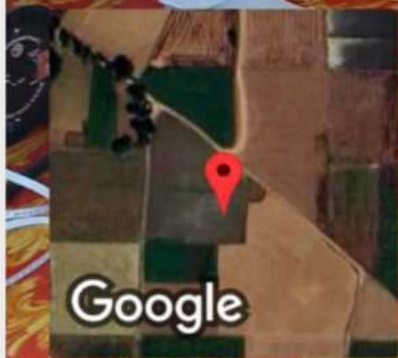
PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	SUKHVINDER KAUR	MEMBER	Female	9991841405
2	SATYA DEVI	MEMBER	Female	9816964567
3	PREM CHAND	MEMBER	Male	9354829492
4	KIRAN DEVI	MEMBER	Female	9466325034
5	RAMESHWAR DAS	JE PHED	Male	9991110051
6	PARVEEN KAUR	CHIRPERSON	Female	7206302228
7	REEBU RANI	MEMBER	Female	9813849694
8	SUSHILA DEVI	MEMBER	Female	9816964567
9	ANJU SHRAMA	MEMBER	Female	9896294894
10	NEERU KAJAL	MEMBER	Female	9050702141
11	VIKRAM SINGH	MEMBER	Male	9813182057
12	RAJ RANI	MEMBER	Female	8607348921
13	ANKIT	MEMBER	Male	9350860525
14	ANKITA SHARMA	MEMBER	Female	9466288960

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	Mehmad Pur_33459	2024-02-06	Mehmad Pur_33459	Mahmudpur (135)	ravidas mandir	13	12	0	25

Photograph



GPS Map Camera



Ambala, Haryana, India

Unnamed Road, Haryana 133205, India

Lat 30.169034°

Long 77.063102°

06/02/24 01:50 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 Memadpur 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

Parveen Kumar
G.W.E DPMU

Minutes of Meeting

Village Name: Mehmedpur

Block: Saraswati Nagar

District: Yamunanagar

Meeting Place: Ravidas Mandir

Lat. No. 30.169034

Long No. 77.063102

Date: 06/02/24

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

अटल भूजल के अंतर्गत आज दिनांक 06/02/24 को ग्राम पंचायत
महमदपुर में सरपंच श्रीमती पत्नीन कौर की अध्यक्षता में ग्राम पंचायत
जट एवं स्वच्छता समिति की बैठक का आयोजन किया गया,
भीष्टा में सरपंच, किसान और ग्रामीणों ने भाग लिया। इस बैठक में
निम्नलिखित बिंदुओं पर चर्चा की गई।

- ① ग्राम पंचायत में जलडों का पुनर्निर्माण किया जाए।
- ② किसानों के खेतों में ड्रिप और फुलवरा सिंचाई विधि लागू की जाए।
- ③ ग्राम पंचायत में स्कूल या धर्मशाला में शार्किंग पिट व RTRWH5
लगाया जाए।
- ④ खेतों में JSDR विधि से धान की खेती की व्यवस्था की जाए।
- ⑤ खेतों में फसल अवशेष पुनर्चक्रण की व्यवस्था की जाए।

उपरोक्त को जट सुरक्षा योजना में शामिल किया गया और
यह सभी कार्य कारवाय में आए। इन सभी कार्यों के लिए ग्राम
पंचायत जट एवं स्वच्छता समिति की बैठक में सभी सदस्यों
की सहमति से प्रस्ताव पारित किया गया।

ANNEXURE III

RESOLUTIONDate: 06/02/24

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat... mohmadpur
 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 06/02/24.

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	<u>Panveen Kaur</u>	<u>Panveen Kaur</u> सरपंच ग्राम पंचायत, महमदपुर खण्ड, सरस्वती नगर (ग्रमुदा नगर)
2	Gram Panchayat Secretary	<u>SH. SUMDESA SINGH</u>	<u>Sum</u>

ATTENDANCE SHEET

Gram Panchayat: Mehermed PuraMeeting: Pravir Das MondalBLOCK: 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	Pasveen Kaur	F	SC	Schoolch	Yes	V.V.S.C	7906303998	Pasveen Kaur
2	Rishna Devi	F	SC	Self sarkari	Yes	V.V.S.C	9817440475	Rishna Devi
3	Pan Seet Kumari	F	SC	HW	-	-	8901586496	Pan Seet Kumari
4	Sonam	F	SC	Student	-	-	9355020701	Sonam
5	Parmchand	M	SC	Charidra	Yes	V.V.S.C	903470171	Parmchand
6	Matta Ram	M	SC	Labour	-	-	8053105267	Matta Ram
7	Naib Singh	M	Gen	Farmer	-	-	9812147894	Naib Singh
8	Devkish	M	BC	Student	-	-	9466382008	Devkish
9	Rajil	M	BC	Farmer	-	-	7027102419	Rajil
10	Vikram Singh	M	Gen	Farmer	Yes	V.V.S.C	9813182057	Vikram
11	Amit	M	BC	Farmer	Yes	V.V.S.C	9350800058	Amit
12	Anus Sharma	M	Gen	Farmer	Yes	V.V.S.C	9846294484	Anus Sharma
13	Sonu	M	Gen	Farmer	-	-	9050848337	Sonu
14	Premchand	M	SC	Farmer	Yes	V.V.S.C	9354829492	Premchand
15	Rekha Devi	F	BC	HW	Yes	V.V.S.C	9813849694	Rekha Devi
16	Amit	M	BC	Farmer	-	-	9416680874	Amit
17	Surbinder Kaur	F	SC	HW	Yes	V.V.S.C	9991841405	Surbinder Kaur

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	Vishu	M	SC	Student	-	-	7906309998	Vishu
19	Kanlesh Devi	F	SC	H.W	-	-	9819147899	Kanlesh Devi
20	Pooja Devi	F	BC	H.W	-	-	7495091859	Pooja Devi
21	Sushila Devi	F	BC	H.W	Yes	V.W.S.C	9855079472	Sushila Devi
22	Setha Devi	F	SC	H.W	Yes	V.W.S.C	9816964567	Setha Devi
23	Pooja Devi	F	BC	H.W	Yes	V.W.S.C	8607348491	Pooja Devi
24	Pooja Devi	F	SC	H.W	Yes	V.W.S.C	9466385004	Pooja Devi
25	Danida Sharma	M	Gen	Farmer	Yes	V.W.S.C	9812751357	Danida Sharma