

# Water Security Plan Report

Date : 28-09-2023    Time : 6:37 PM    User Name : xen.ataljal@gmail.com

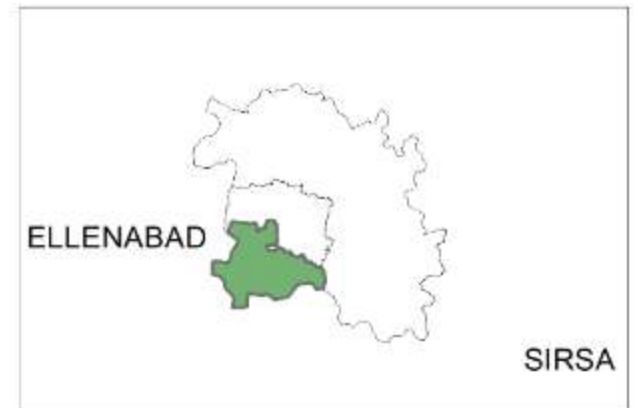
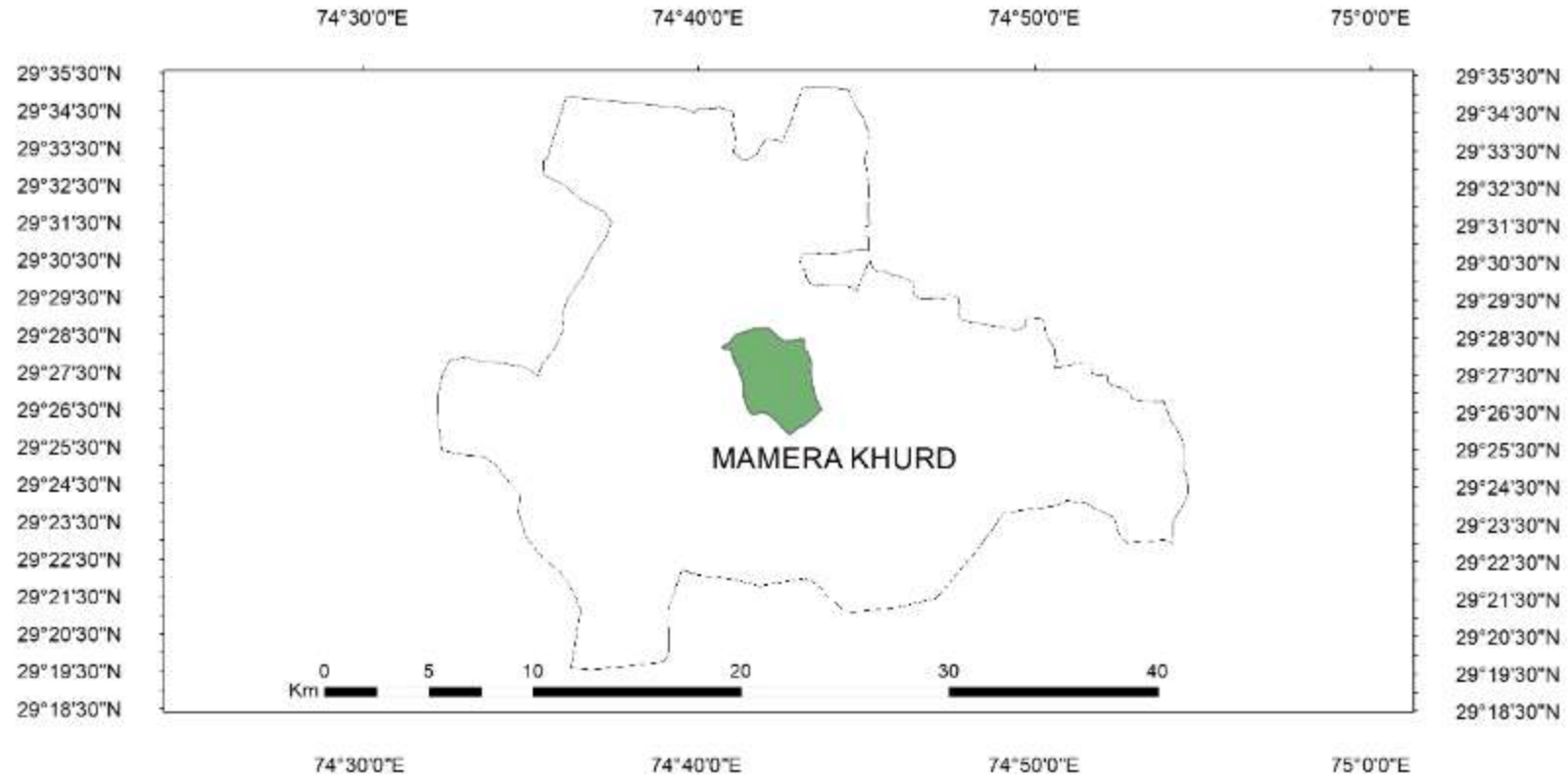
STATE: HARYANA\_6 »    DISTRICT: SIRSA\_74 »    BLOCK: ELLENABAD\_548 »    GRAM PANCHAYAT: MAMERA KHURD\_32631 »    YEAR: 2023-24 »

## Gram Panchayat Information

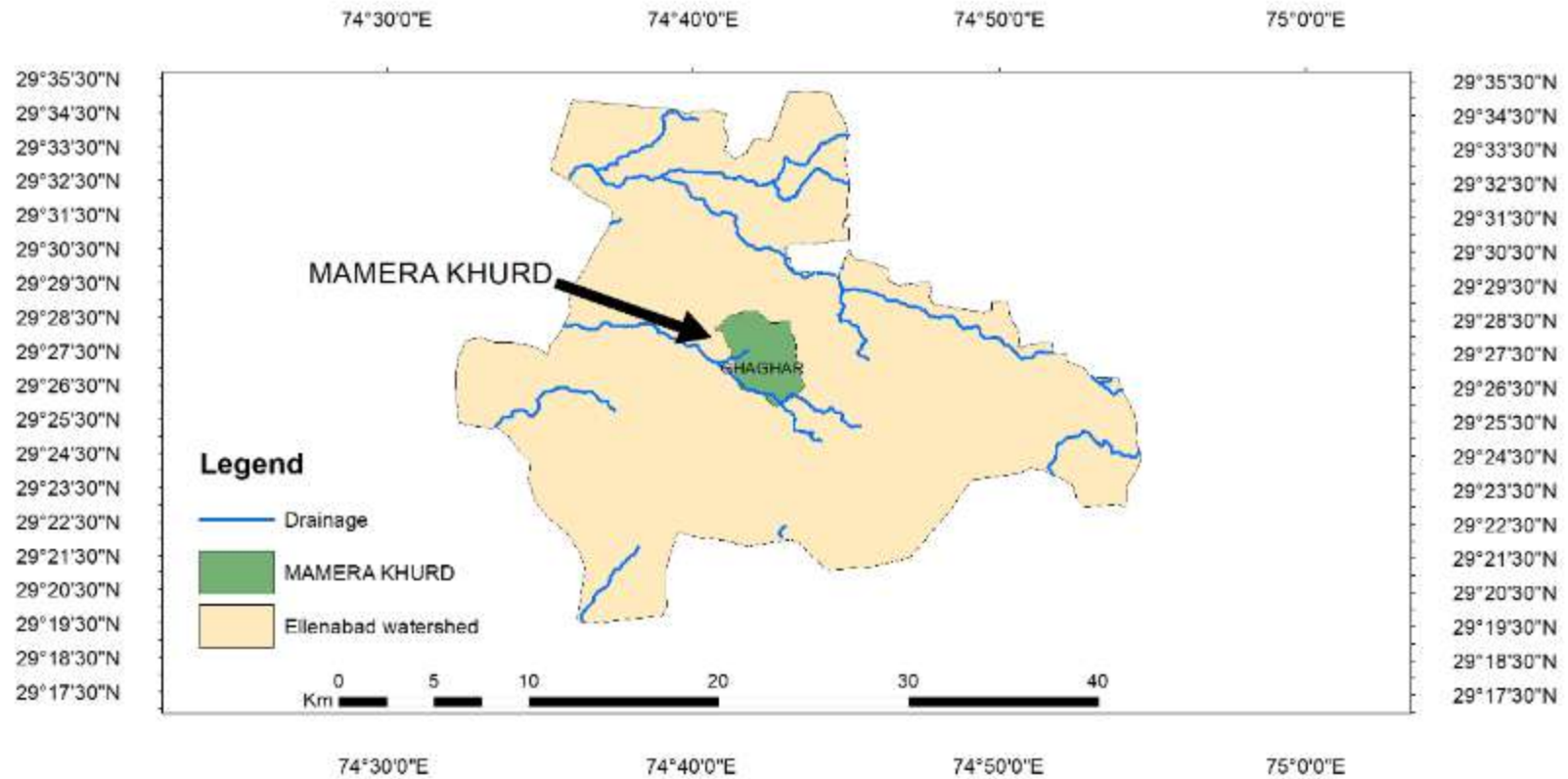
State:	Haryana_6	District:	Sirsa_74
Block / Taluk :	Ellenabad_548	GP Name :	Mamera Khurd_32631
GP ID :	32631	Block Area (Ha) :	54969.00
GP area (Ha) :	1494.00	Watershed Code :	GHGR008
Watershed name :	Ghaghar	Watershed area in Block / Taluk (Ha) :	52786.7
Sub-basin Code :	2a	Sub basin name :	Ghaghar and Others
Basin Code :	2A	Basin Name :	Ghaghar

Location Map

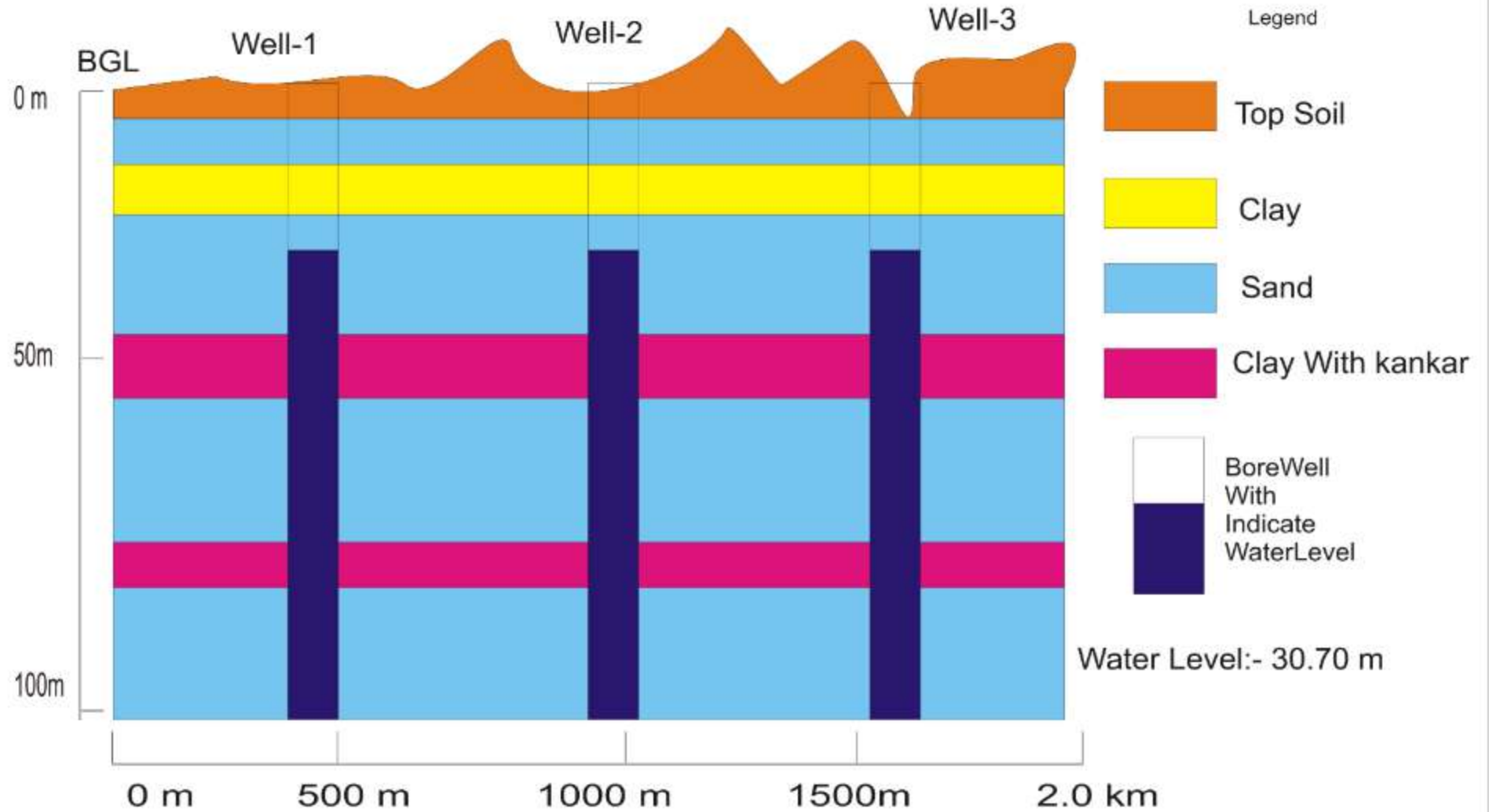
Location Map : Gram Panchayat Mamera Khurd, Block Ellenabad District Sirsa, Haryana N



### Drainage Map : Gram Panchayat Mamera Khurd, Block Ellenabad District Sirsa, Haryana



### Aquifer Map :- Mamera Khurd, Block Rania, District Sirsa, Haryana



## 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	Mamera khurd	On musli road	29.45189	74.72045	25-05-23 1	032631-001	Tube Well	null	Private	null	0.254	80	0.65	30	25-05-23
	Mamera khurd	On musli road	29.45189	74.72045	25-05-23 1	032631-001	Tube Well	null	Private	null	0.254	80	0.65	31.2	27-06-23
	Mamera khurd	On musli road	29.45189	74.72045	25-05-23 1	032631-001	Tube Well	null	Private	null	0.254	80	0.65	30.7	23-07-23
	Mamera khurd	On musli road	29.45189	74.72045	25-05-23 1	032631-001	Tube Well	null	Private	null	0.254	80	0.65	31.8	29-08-23

## Ground Water Quality

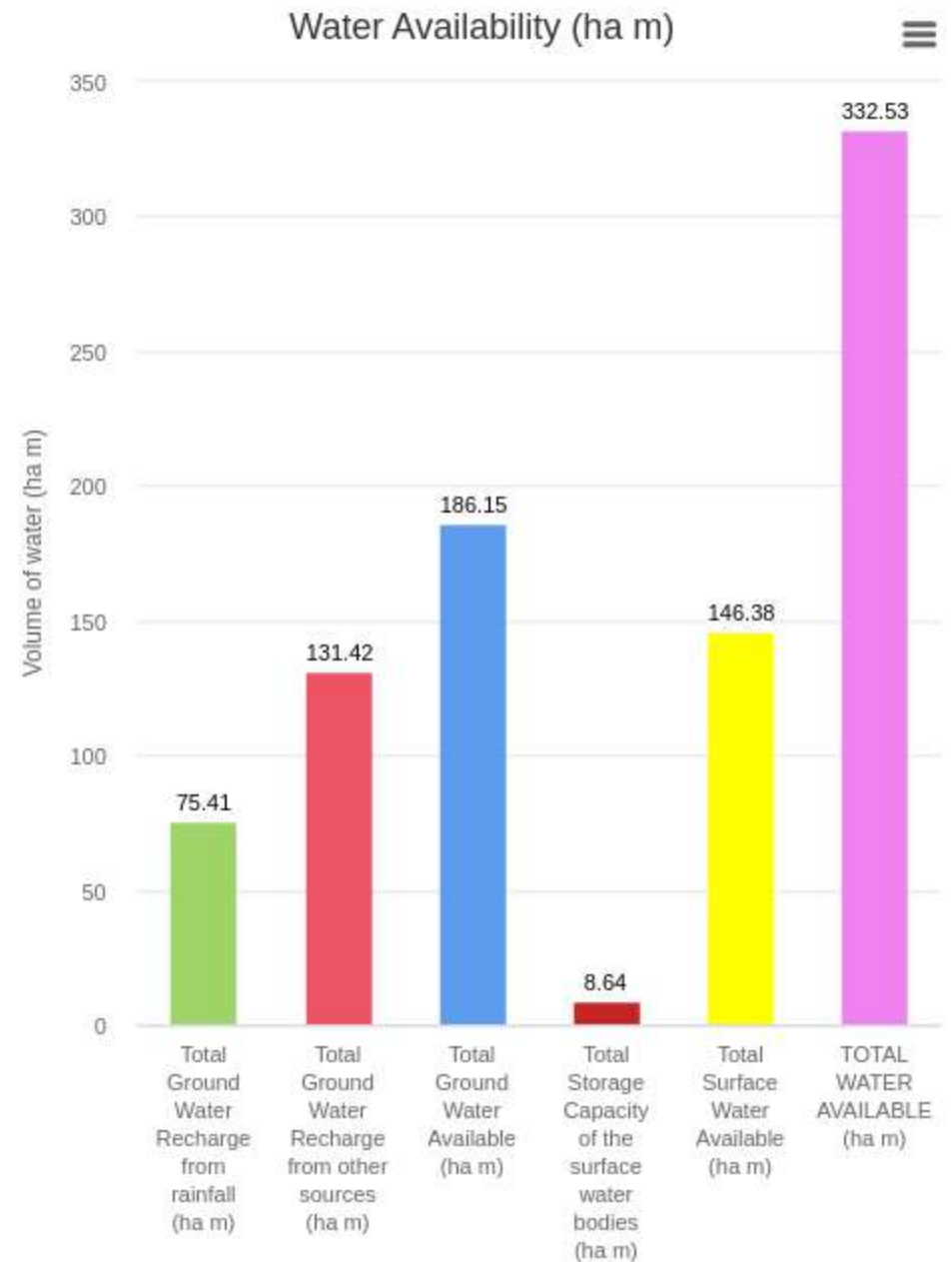
S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	MAMERA KHURD	VED PARKASH	29.446821	74.702217	2022	Tube Well	I&WRD	SIR-ELL-MAMERA-01
2	MAMERA KHURD	PRITHVI SIHAG	29.455002	74.704086	2022	Tube Well	I&WRD	SIR-ELL-MAMERA-02

S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC ( $\mu$ S/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	SIR-ELL-MAMERA-01	39.619999	UNCONFINED	7.8	3350	2180	276	32	47	625	7.3	0	512	548	325	0.77	16
2	SIR-ELL-MAMERA-02	39.619999	UNCONFINED	7.8	2580	1548	252	38.4	37	438	5	0	570	305	180	0.88	9.9



## Water Availability Report

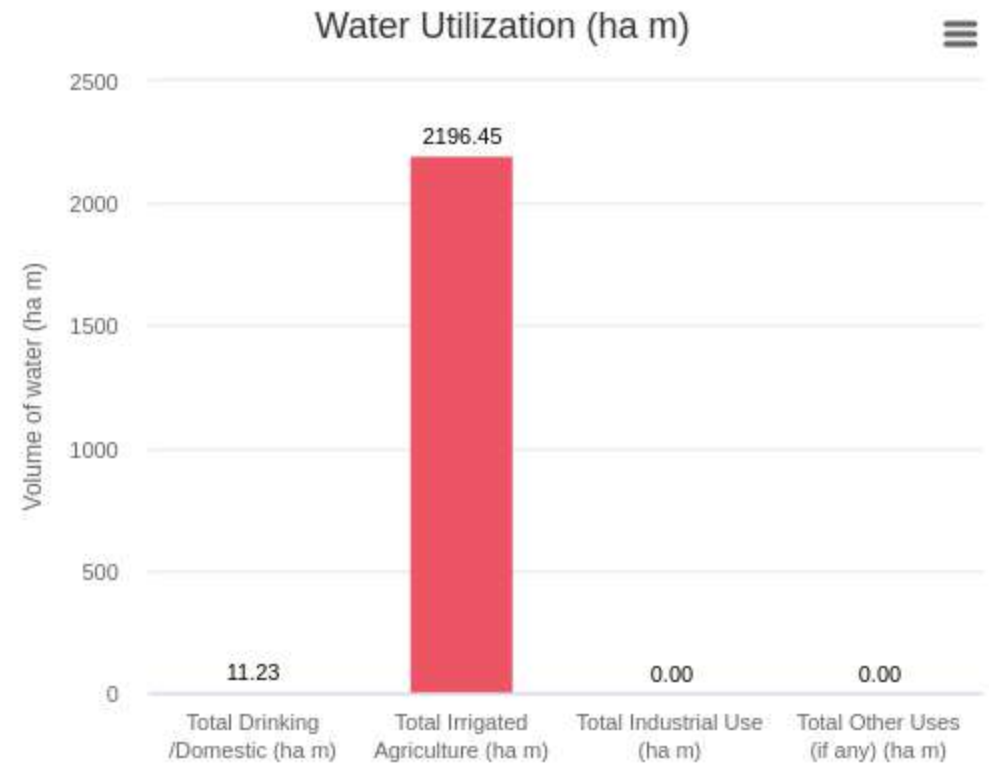
Water Availability		
1.	Total Available Water From Rainfall	
	a. Annual Rainfall (mm)	431.20
	b. Estimated Volume of Rainfall (ha m)	644.21
	c. Evapotranspiration rate (mm)	249.71
	d. Estimated Evapotranspiration losses (ha m)	373.07
	e. Estimated Water Available From Rainfall (ha m)	271.14
	f. Weighted Average Runoff Coefficient	0.30
	g. Rainfall Runoff(ha m)	81.34
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
	(i) Monsoon	70.88
	(ii) Non-Monsoon	4.53
	Total Ground Water Recharge from rainfall (ha m)	75.41
b.	Ground Water Recharge from other sources (ha m)	
	(i) Monsoon	74.00
	(ii) Non-Monsoon	57.42
	Total Ground Water Recharge from other sources (ha m)	131.42
	c. Losses Due to Natural Discharge (ha m)	20.68
	Total Ground Water Available (ha m)	186.15
	d. Ground Water Withdrawal (ha m)	421.49
3.	Surface Water	
a.	Surface Water available in storages	
	(i) Number of Surface Water Bodies and Storage Capacity (ha m)	
Type of Structures	No. of Structures	Storage Capacity (ha m)
Ponds	4	8.64
	Total Storage Capacity of the surface water bodies (ha m)	8.64
	(ii) Losses if Any (%)	50.00
	(iii) Surface Water Available in Storages (ha m)	4.30
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	146.38
4.	TOTAL WATER AVAILABLE	
	Total Water Available (ha m)	332.53





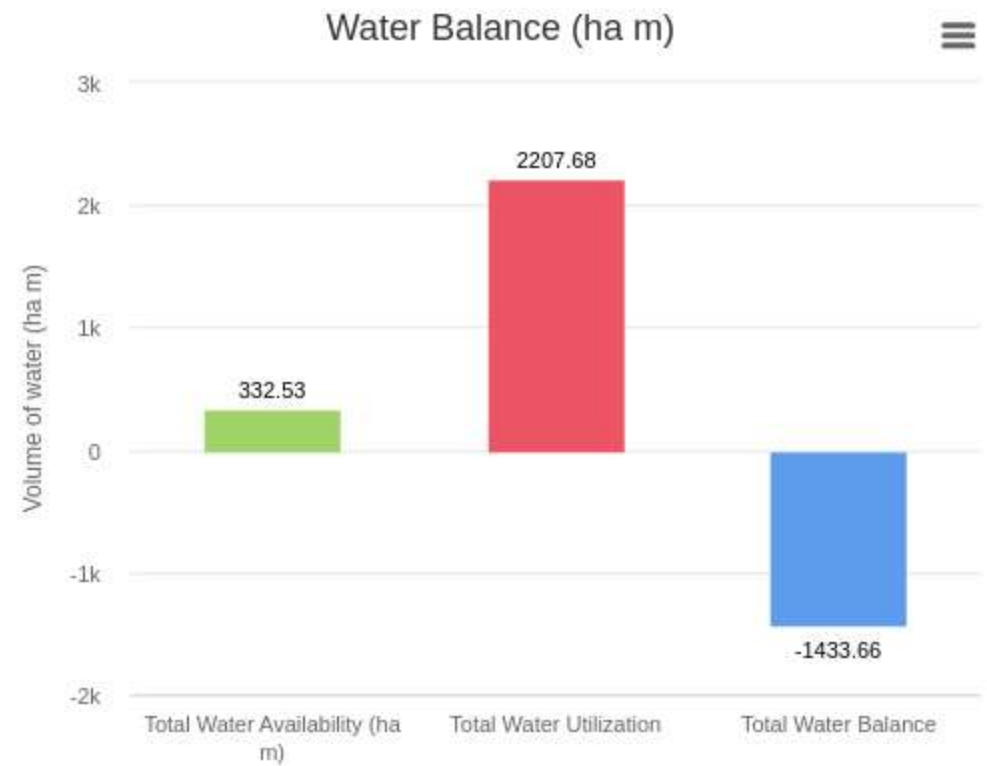
## Water Utilization Report

Water Utilization		
<b>A</b>	<b>Drinking /Domestic (ha m)</b>	
i)	From Surface Water	0.00
ii)	From Ground Water	11.23
	<b>Total Drinking /Domestic (ha m)</b>	11.23
<b>B</b>	<b>Irrigated Agriculture (ha m)</b>	
i)	From Surface Water	153.75
ii)	From Ground Water	2042.70
	<b>Total Irrigated Agriculture (ha m)</b>	2196.45
<b>C</b>	<b>Industrial Use (ha m)</b>	
i)	From Surface Water	0.00
ii)	From Ground Water	0.00
	<b>Total Industrial Use (ha m)</b>	0.00
<b>D</b>	<b>Other Uses (if any) (ha m)</b>	
i)	From Surface Water	0.0000
ii)	From Ground Water	0.0000
	<b>Total Other Uses (if any) (ha m)</b>	0.0000



## Water Balance Report

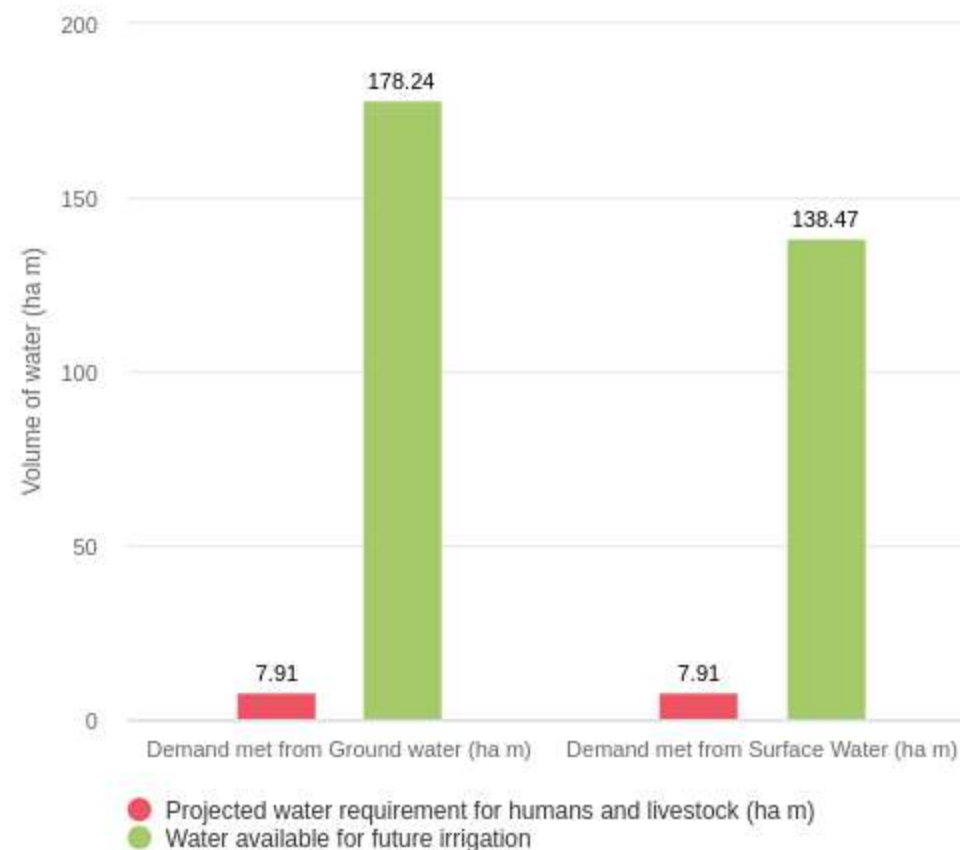
Water Balance		
<b>A</b>	<b>Water Availability (ha m)</b>	
i)	Total Ground Water Available	186.15
ii)	Total Surface Water Available	146.38
	<b>Total Water Availability (ha m)</b>	332.53
<b>B</b>	<b>Water Utilization (ha m)</b>	
i)	Total Surface Water Utilization	153.75
ii)	Total Ground Water Utilization	2053.93
	<b>Total Water Utilization</b>	2207.68
<b>C</b>	<b>Balance [Surplus (+) / Deficit (-)]</b>	
i)	Total Ground Water Balance	-1450.45
ii)	Total Surface Water Balance	16.79
	<b>Total Water Balance</b>	-1433.66



## Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	1352.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	1888.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	3.79
II Livestock	
i) Present livestock population	2129.00
ii) Annual population growth rate (r)	1.04
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	2844.00
v) Average per capita requirement (L)	109.65
vi) Projected water requirement for livestock (as in 2050) (ha m)	11.38
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)	15.17
i) Proposed share to be met from Ground water (in % )	50.00
ii) Proposed share to be met from Surface water (in % )	50.00
iii) Demand met from Ground water (ha m)	7.91
iv) Demand met from Surface water (ha m)	7.91
C Water available for future irrigation	
i) Ground Water	178.24
ii) Surface water	138.47
iii) Total water available for future irrigation	316.71

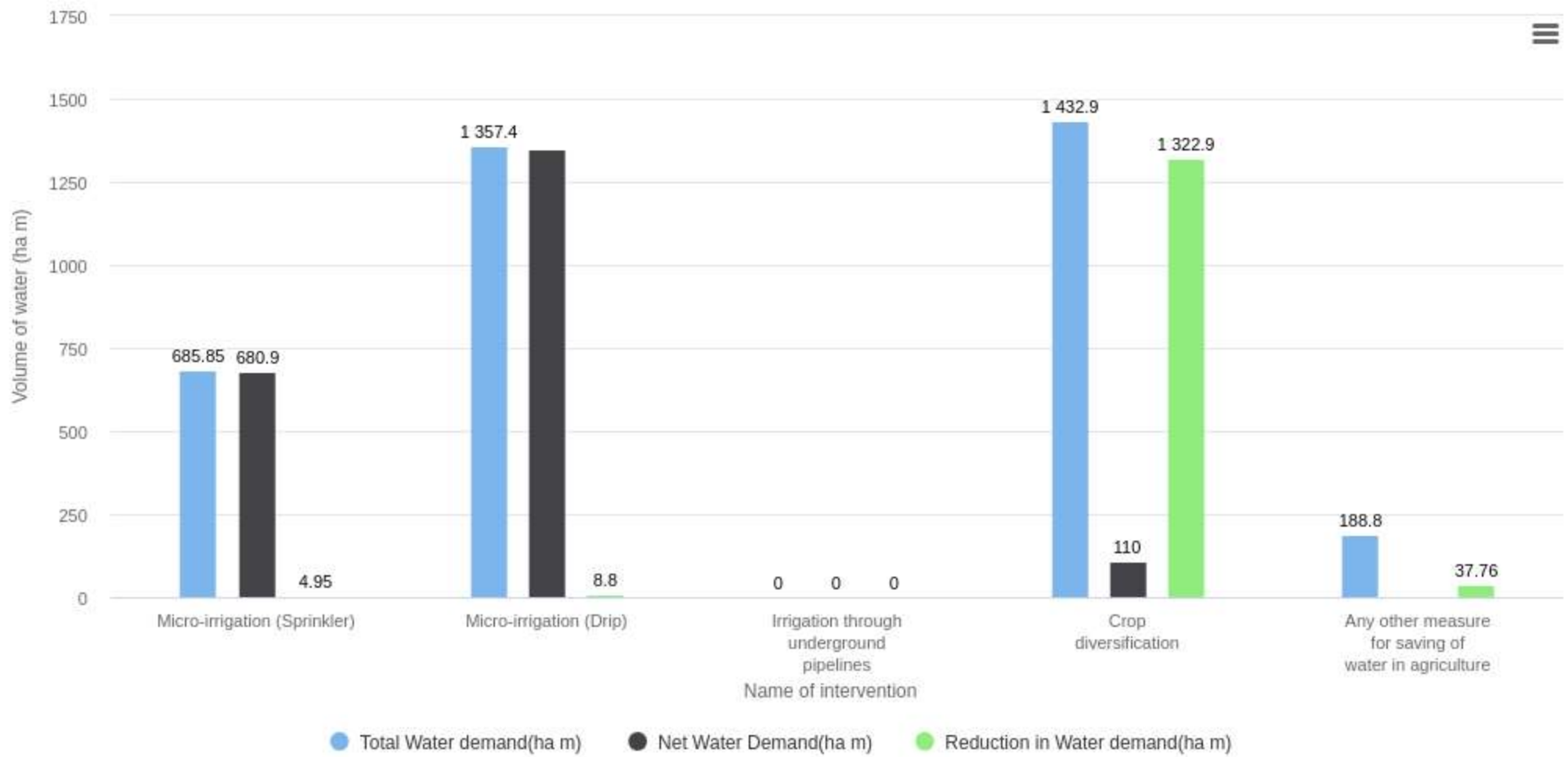
### Projected Water Budget for future use (for year 2050) ☰



## Demand Side

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	30.00	685.85	680.90	4.95	35.36
2	Drip	20.00	1357.40	1348.60	8.80	24.82
3	Pipelines	0.00	0.00	0.00	0.00	0.00
4	Crop Diversification	110	1432.90	110.00	1322.90	19.02
5	Other Measures	172.00	188.80	--	37.76	16.11
	<b>Total</b>	<b>332.00</b>	<b>3664.95</b>	<b>2139.50</b>	<b>1374.41</b>	<b>95.31</b>

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Crop Diversification	110	2023-24	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	19.02
2	Drip	20	2023-24	MICADA	PMKSY	24.82
3	Sprinkler	30	2023-24	MICADA	PMKSY	35.36
4	Other Measures	8	2023-24	Agriculture & Farmer Welfare Department	Scheme for Management of Crop Residue	0.20
5	Other Measures	1	2023-24	Department of Horticulture	IHD Scheme	0.32
6	Other Measures	156	2023-24	Agriculture & Farmer Welfare Department	Other	15.42
7	Other Measures	7	2023-24	Agriculture & Farmer Welfare Department	Other	0.17
	<b>Total</b>	<b>332</b>				<b>95.31</b>



## Supply Side

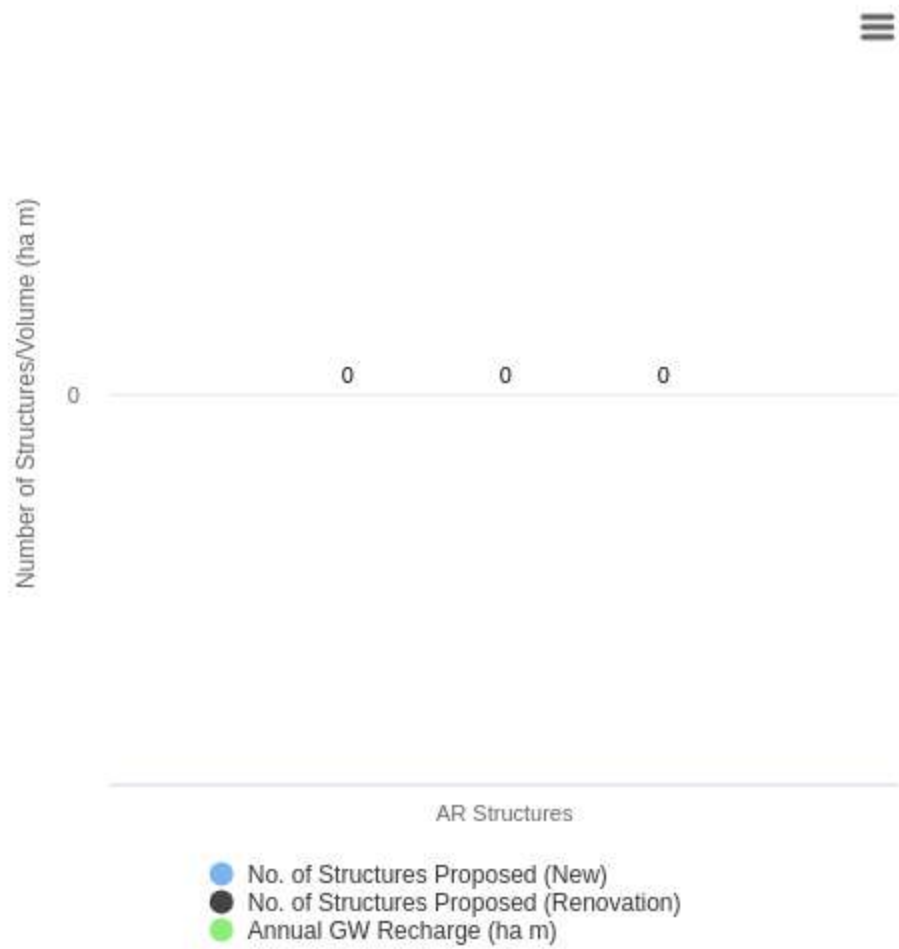
### Supply Side (Artificial Recharge Structures)

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)
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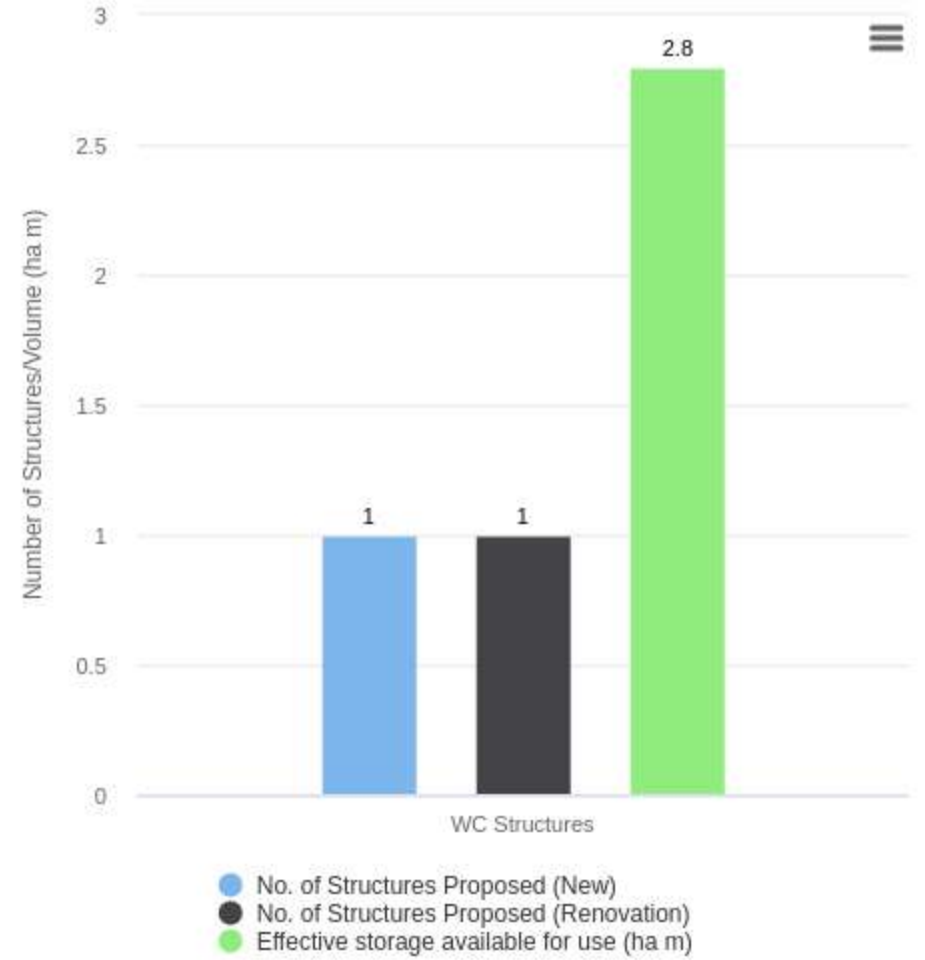




### Supply Side (Artificial Recharge Structures)



### Supply Side (Water Conservation Structures)



## PGWM Committee

PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	Bhim singh	Sarpanch	Male	9813240330
2	Shispal	Panch	Male	9671535061
3	Kavita devi	Panch	Female	7056754617
4	Suman	Panch	Female	8053514861
5	Satveer	Anganwari workerr	Male	6367597203
6	Rajendra	Asha worker	Male	9728403743
7	Durga	Electircian	Female	9017119942
8	Dayawati	Fitter	Female	9817268707
9	Tersem	Plumber	Male	9466827336
10	Nirmala rani	Mahila mandal member	Female	8168417900
11	Ajay pal	Pump oppretor	Male	9466545201
12	Mukesh	Helper	Male	9306405147
13	Jagseer	Pump oppretor	Male	9728540664
14	Prathvi raj	Member	Male	9416550000
15	Shispal	Gram sachiv	Male	9416596858
16	Somveer	Technical	Male	0000000000

## 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	Sirsa_74	Ellenabad_548	Mamera Khurd_32631	2023-08-19	Mamera Khurd_32631	Mamera(131)	govt.. school	14	4	0	18

Photograph



GPS Map Camera

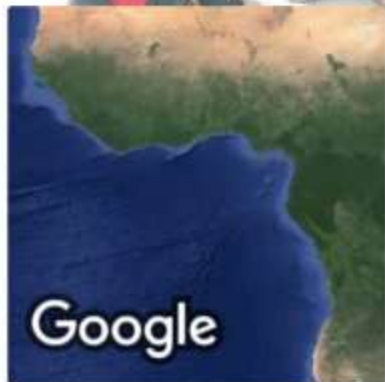
Mamera, Haryana, India

Unnamed Road, Mamera, Haryana 125102, India

Lat 29.451788°

Long 74.718161°

19/08/23 11:53 PM GMT +05:30



## DPMU DECLARATION

I, Ajeet Hudda (Name), Executive Engineer-cum-Nodal Officer, Atal Bhujal Yojana, Ghaggar W/S Division, Sirsa (Designation), authorized representative under District Program Management Unit (DPMU) declare that the WSP of Mamera Khurd Gram Panchayat, Ellenabad Block/Taluk, Sirsa 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 26/09/2023

  
Executive Engineer  
Ghaggar W/S Division,  
Sirsa.

  
Sub-Divisional Officer  
Ellenabad Block,  
Sirsa District

  
District Coordinator  
(IEC Expert)  
DPMU, Sirsa

  
Ground Water Expert  
DPMU, Sirsa



ANNEXURE III

RESOLUTION

Date: 19/8/2023

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of ~~Mameran Khurd~~ Gram Panchayat, Ellenabad Block/Taluk/Mandal, Sirona District, Haryana State 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 19/8/2023

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Bhim Singh	Bhim Singh Sarpanch G.P. Mameran Khurd Block - Ellenabad (Sirona)
2	Gram Panchayat Secretary	Shiv Kumar	Shiv Kumar

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S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Bhim Singh	Bhim Singh Sarpanch G.P. Mameran Khurd Block - Ellenabad (Sirona)
2	Gram Panchayat Secretary	Shikhar	Shikhar

manoj khun

# Attendance Sheet Template

Sr no	Name	Gender • Female • Male • Other	Category • General • OBC • ST • SC	Occupation	Are you a member of any committee ? (Yes/No)	If yes, name of the committee	Land holding Status • Landless • <2.5 acre • 2.5-5 acre • >5 acre	Phone no	Signature
1	सहायसिंह	M	Gen	Farmer	No	-	-	8053552404	सहायसिंह
2	राजेश	M	Sc	Employee	Yes	-	-	9728005743	राजेश
3	AMILAL	M	SC	Employee	No	-	-	9467027228	Amilal
4	नरेश सिंह	M	Gen	पंशाल	No	-	-	-	द. १२/२१/२१
5	गोपीराम	M	SC	किसान	No	-	< 2.5 acre	9350823533	
6	हिरादेव सिंह	Male	BC	किसान	No	-	-	7988889342	हिरादेव सिंह
7	नरेश सिंह	Male	Gen	किसान	Yes	-	2.5-5 acre	91668-27336	नरेश सिंह
8	Ajay Singh	male	SC	किसान	Yes	-	-	98131-56428	Ajay Singh
9	राजेश कुमार	Male	SC	पु	No	-	-	8930875226	राजेश कुमार
10	अजय कुमार	m	Gen.	मजदूर	No	-	-	87086-01497	अजय
11	हर सिंह	m	B.C.	मजदूर, किसान	No	-	-	8708871274	Har Singh
12	Members	f	S.C.	अभिवा वंदन	No	-	-	8168917900	Members
13	विद्या	f	S.C.	किसान	No	-	-	8168917900	विद्या
14									
15	DAYAWANTI	F.	SC.	A.w.w.	Yes	VWSC	-	9817268707	DAYAWANTI A.W.W
16	सुनिता	F	Gen	किसान	Yes	VWSC	-	9017119492	सुनिता
17	अनिता	F	SC	किसान	No	-	-	9729718191	अनिता
		m	gen	किसान	Yes	VWSC	-	9813240330	रवि - सु

15/11/21  
1/11/21  
1/11/21