

Water Security Plan Report

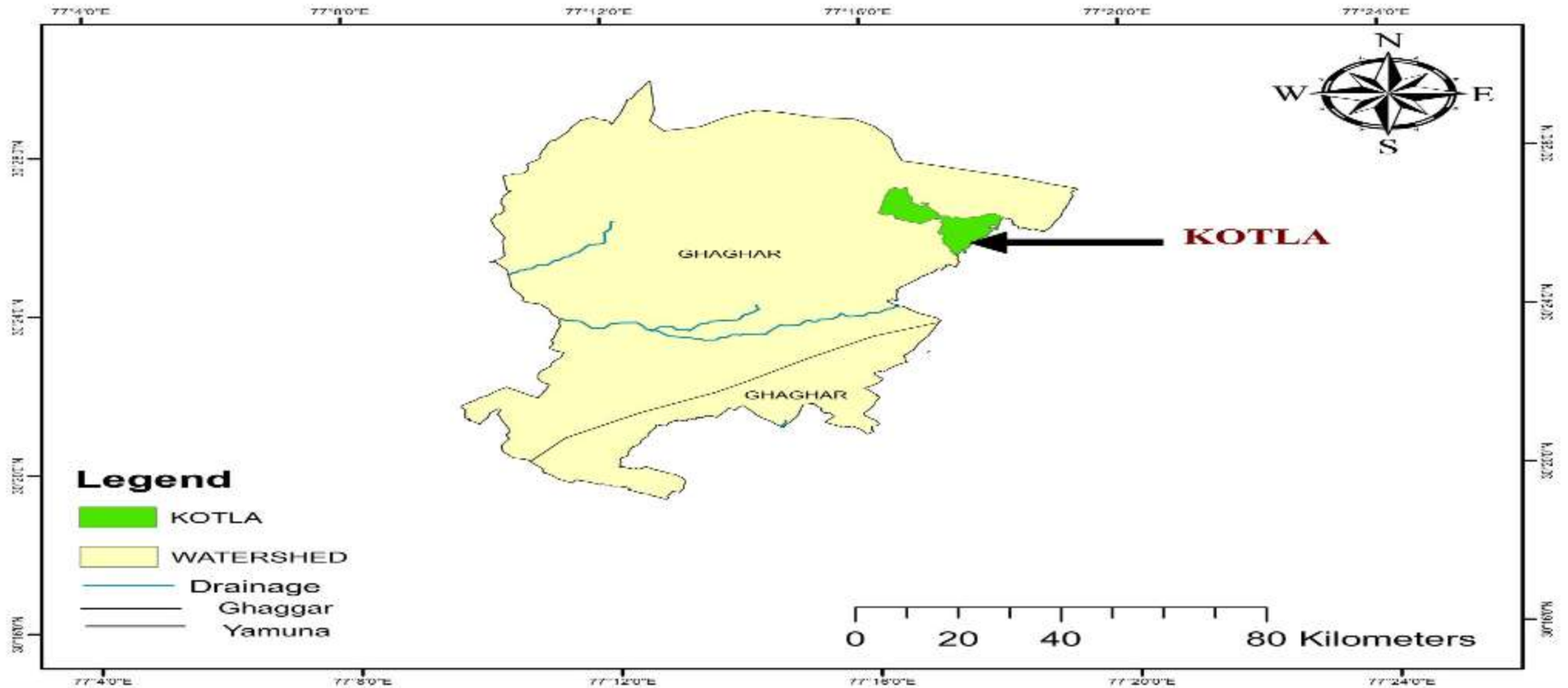
Date : 28-09-2023 Time : 10:25 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 » DISTRICT: YAMUNANAGAR_76 » BLOCK: SADAURA (PART)_565 » GRAM PANCHAYAT: KOTLA_33559 » YEAR: 2023-24 »

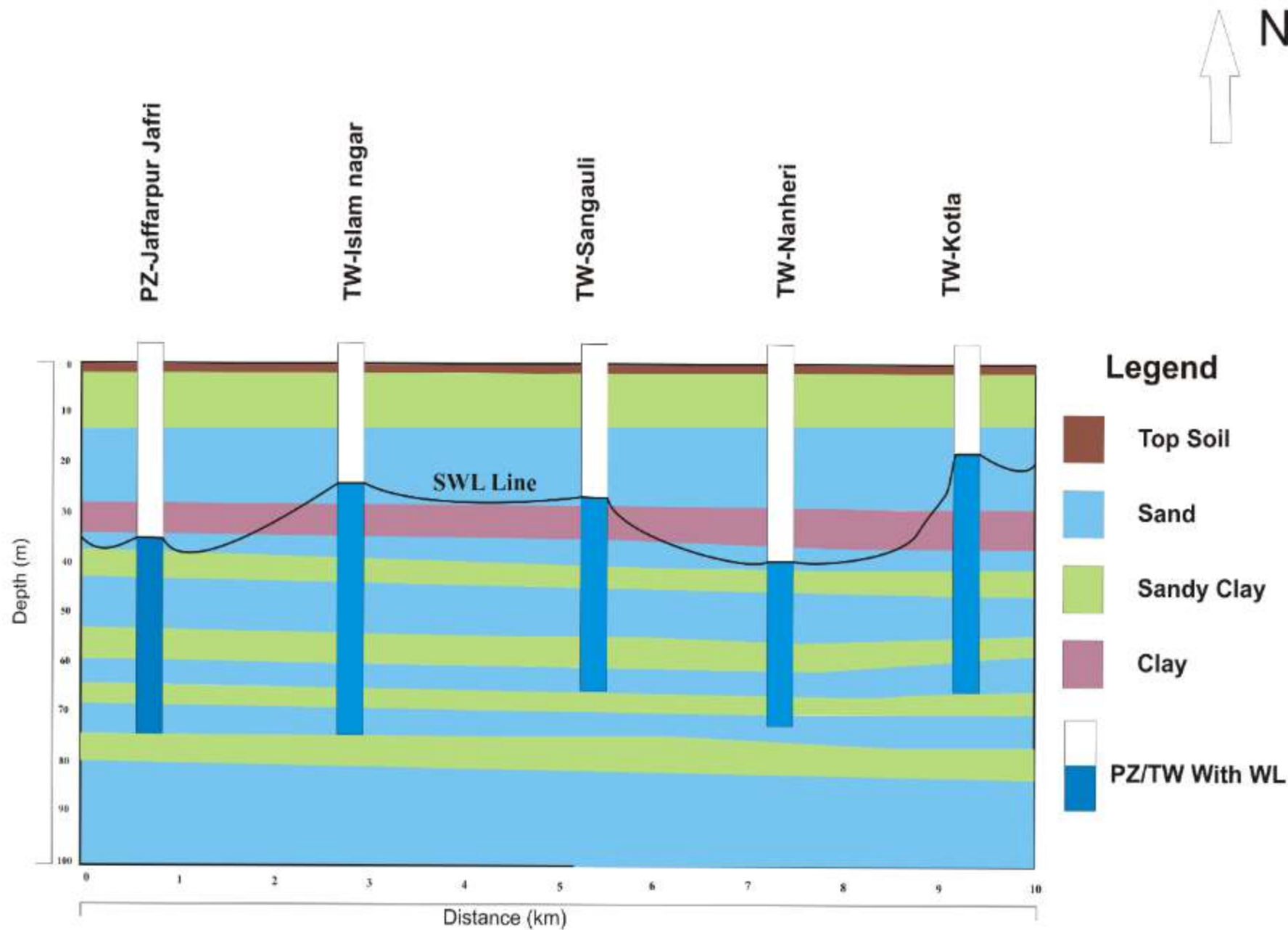
Gram Panchayat Information

State:	Haryana_6	District:	Yamunanagar_76
Block / Taluk :	Sadaura (Part)_565	GP Name :	Kotla_33559
GP ID :	33559	Block Area (Ha) :	14685.14
GP area (Ha) :	318.98	Watershed Code :	GHGR002
Watershed name :	SARASWATI	Watershed area in Block / Taluk (Ha) :	155223.61
Sub-basin Code :	1	Sub basin name :	Ghaghar and Others
Basin Code :	11	Basin Name :	Ghaghar

Watershed & Drainage Map : GP Kotla, Block Sadaura, District Yamunanagar



Aquifer Map of Jaffarpur Jafri, Islam Nagar, Sangauli ,Nanheri, Kotla of Sadaura 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	Kotla	On road dary	30.4282	77.2899	24-05-23 1	033559-001	Bore Well	null	Private	null	0.15	26	0.6	24.75	24-05-23
	Kotla	On road dary	30.4282	77.2899	24-05-23 1	033559-001	Bore Well	null	Private	null	0.15	26	0.6	25.23	29-06-23
	Kotla	On road dary	30.4282	77.2899	24-05-23 1	033559-001	Bore Well	null	Private	null	0.15	26	0.6	24.19	30-07-23
	Kotla	On road dary	30.4282	77.2899	24-05-23 1	033559-001	Bore Well	null	Private	null	0.15	26	0.6	23.49	31-08-23
	Kotla	On road dary	30.4282	77.2899	24-05-23 1	033559-001	Bore Well	null	Private	null	0.15	26	0.6	23.24	29-09-23

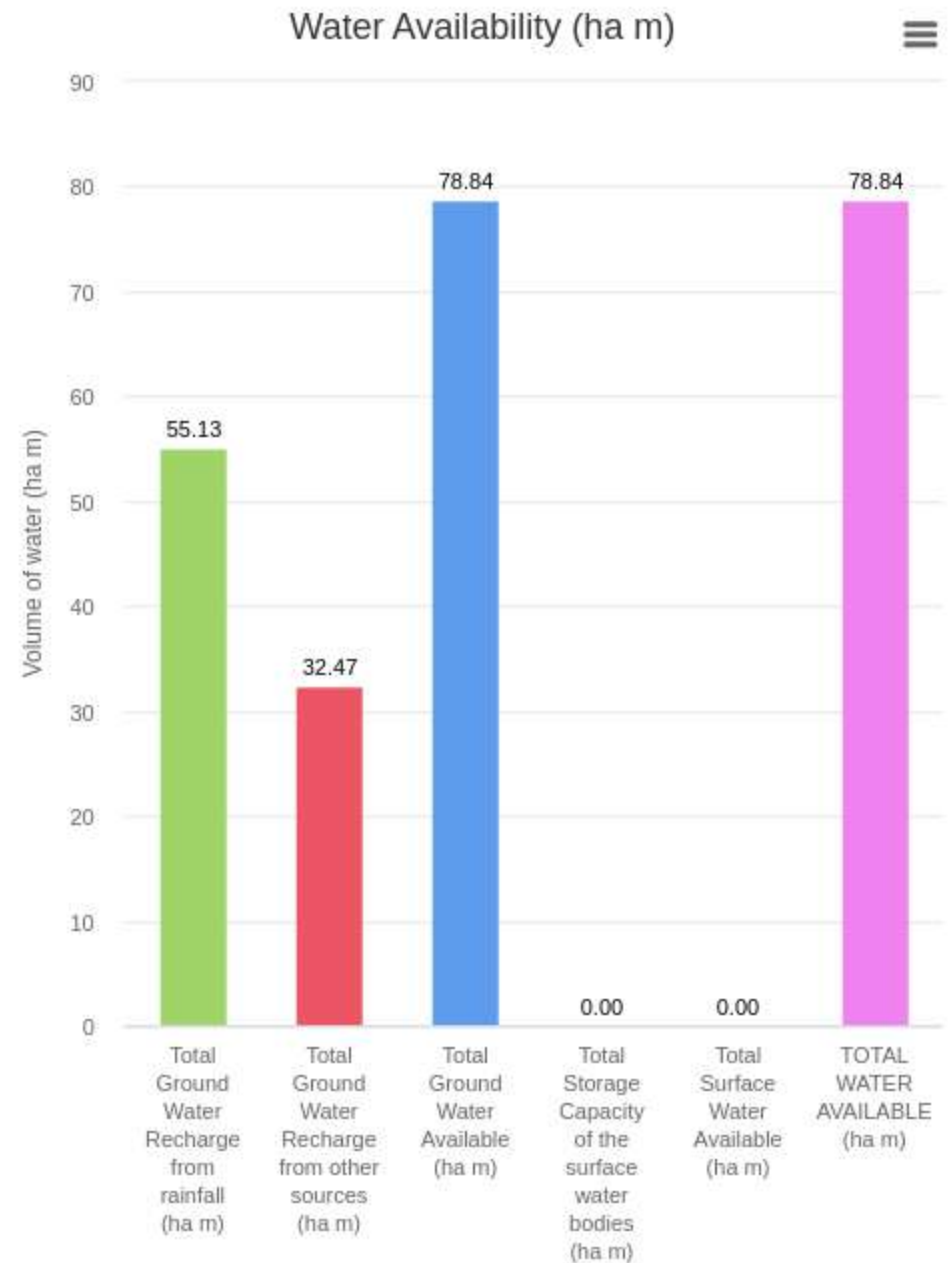
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	KOTLA	KOTLA	30.425892	77.289124	2022	Tube Well	I&WRD	ABY_YMR_SAD_KOTLA_001
2	KOTLA	KOTLA	30.432245	77.291351	2022	Tube Well	I&WRD	ABY_YMR_SAD_KOTLA_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_SAD_KOTLA_001	116	UNCONFINED	7.4	801	488	240	52	26.7	32	0.8	0	283	30	48	0.65	16
2	ABY_YMR_SAD_KOTLA_002	111	UNCONFINED	7.4	787	477	170	32	21.9	40	1.2	0	276	29	62	0.64	14.3

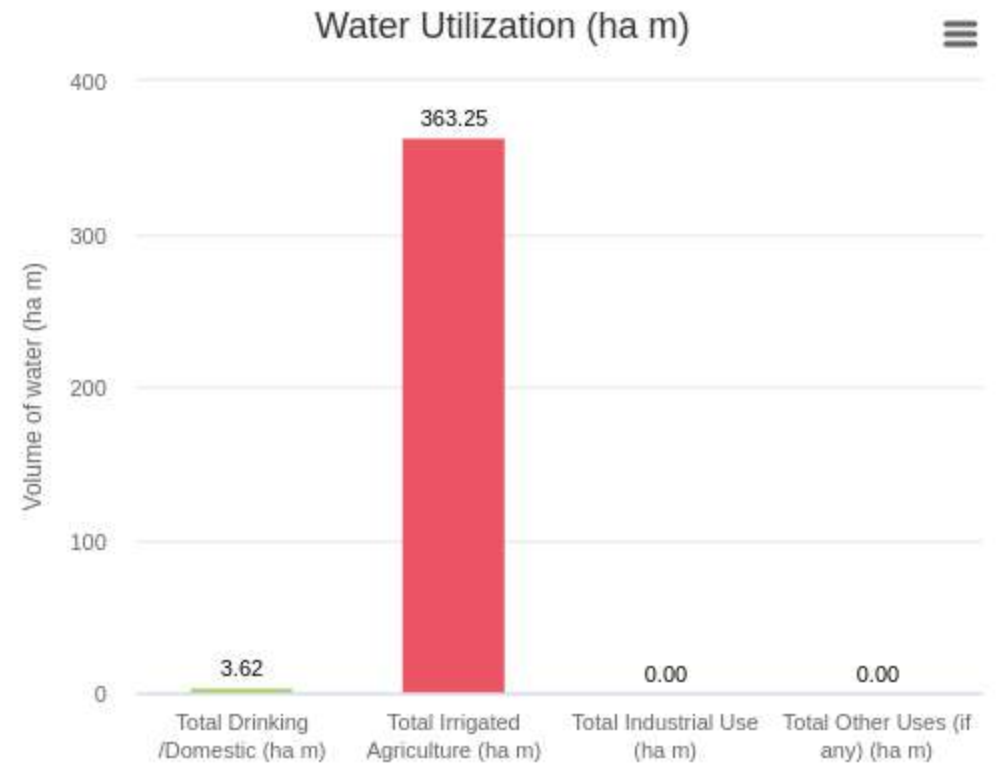
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	1326.10
b.	Estimated Volume of Rainfall (ha m)	423.00
c.	Evapotranspiration rate (mm)	462.77
d.	Estimated Evapotranspiration losses (ha m)	147.61
e.	Estimated Water Available From Rainfall (ha m)	275.39
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	82.62
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	44.20
(ii)	Non-Monsoon	10.93
	Total Ground Water Recharge from rainfall (ha m)	55.13
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	16.70
(ii)	Non-Monsoon	15.77
	Total Ground Water Recharge from other sources (ha m)	32.47
c.	Losses Due to Natural Discharge (ha m)	8.76
	Total Ground Water Available (ha m)	78.84
d.	Ground Water Withdrawal (ha m)	114.32
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	0	0
	Total Storage Capacity of the surface water bodies (ha m)	0.00
(ii)	Losses if Any (%)	
(iii)	Surface Water Available in Storages (ha m)	0.00
b.	Transported Water from outside GP area (ha m)	
	Total Surface Water Available (ha m)	0.00
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	78.84



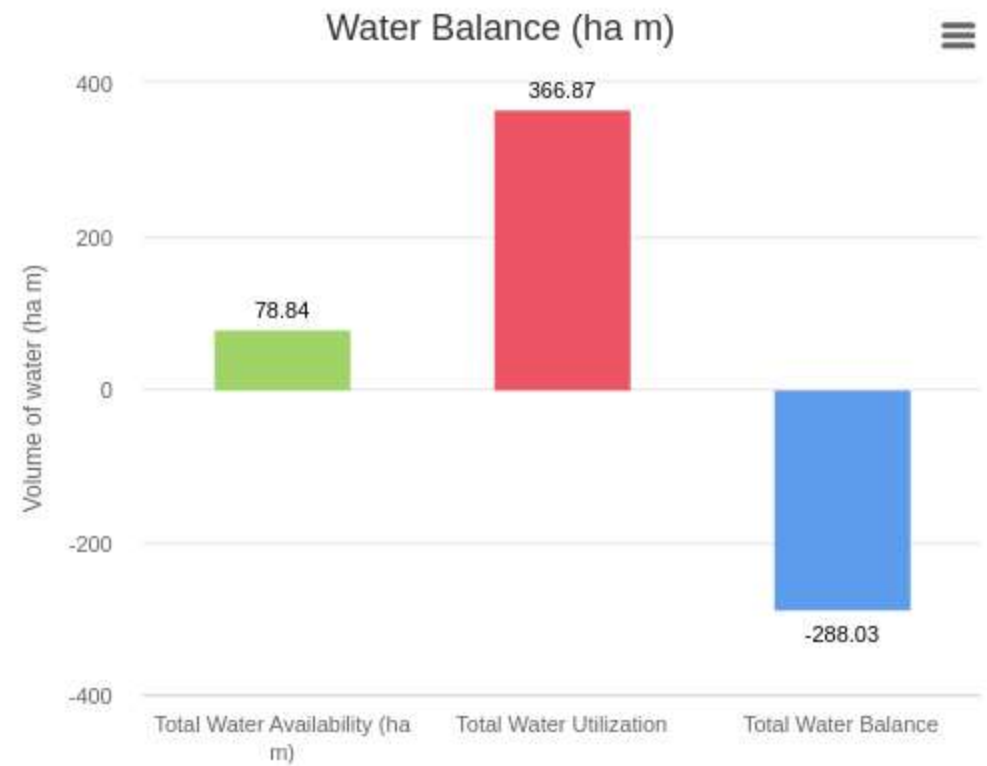
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	3.62
	Total Drinking /Domestic (ha m)	3.62
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	363.25
	Total Irrigated Agriculture (ha m)	363.25
C	Industrial Use (ha m)	
i)	From Surface Water	0.00
ii)	From Ground Water	0.00
	Total Industrial Use (ha m)	0.00
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

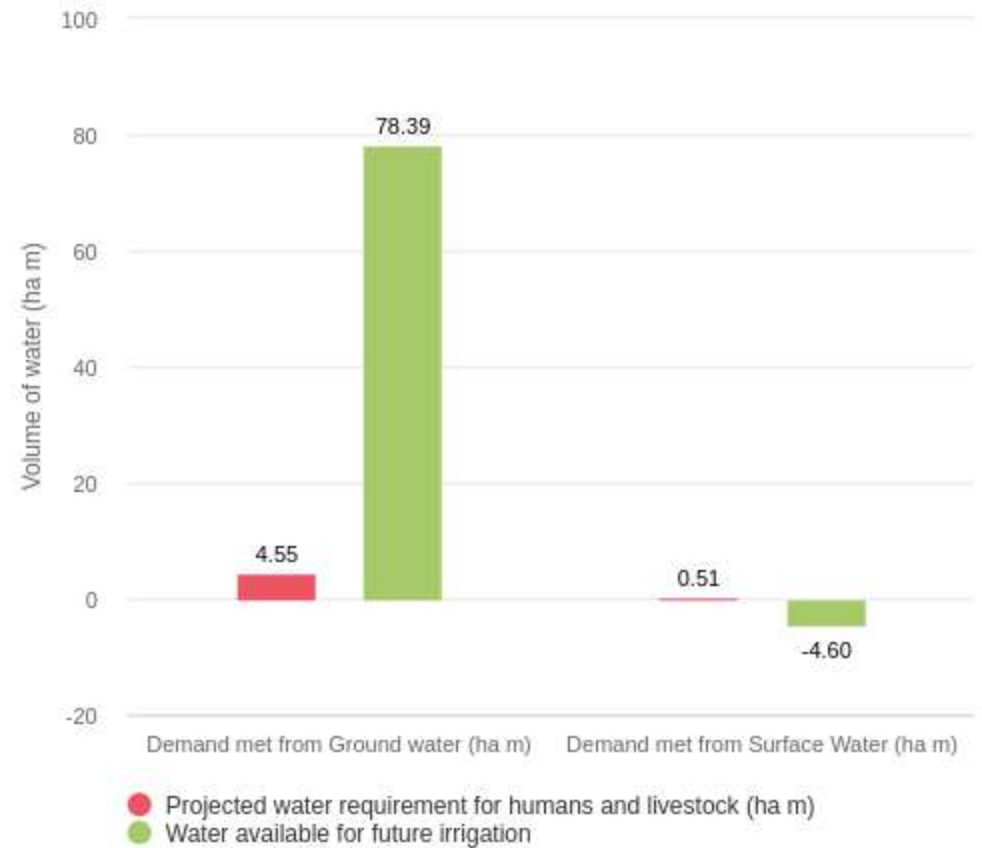
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	78.84
ii)	Total Surface Water Available	0.00
	Total Water Availability (ha m)	78.84
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	0
ii)	Total Ground Water Utilization	366.87
	Total Water Utilization	366.87
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-288.03
ii)	Total Surface Water Balance	0.00
	Total Water Balance	-288.03



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	1803.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	2518.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	5.05
II Livestock	
i) Present livestock population	0.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	0.00
v) Average per capita requirement (L)	
vi) Projected water requirement for livestock (as in 2050) (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)	5.05
i) Proposed share to be met from Ground water (in %)	90.00
ii) Proposed share to be met from Surface water (in %)	10.00
iii) Demand met from Ground water (ha m)	4.55
iv) Demand met from Surface water (ha m)	0.51
C Water available for future irrigation	
i) Ground Water	78.39
ii) Surface water	-4.60
iii) Total water available for future irrigation	73.79

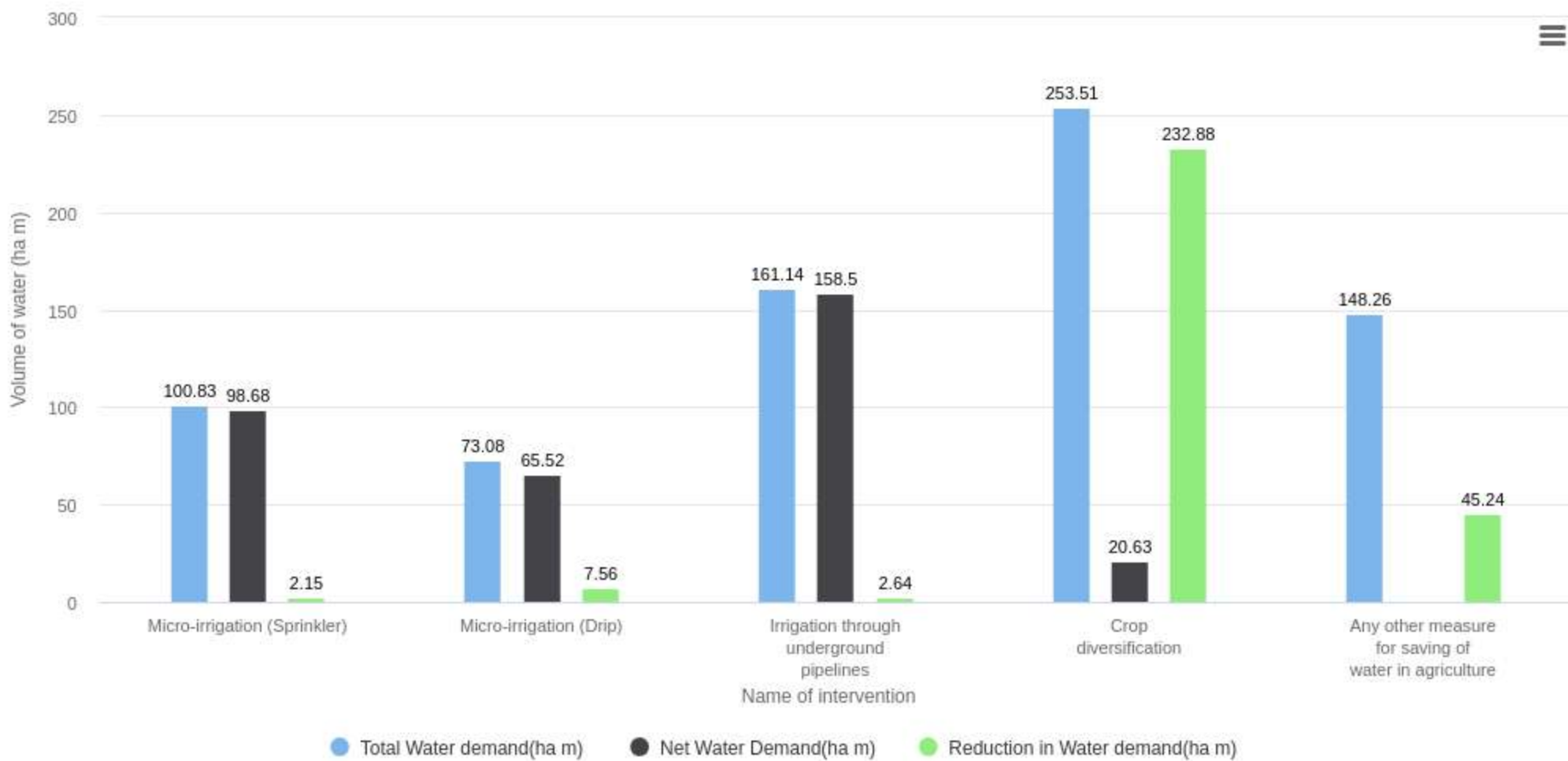
Projected Water Budget for future use (for year 2050) ☰



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	13.00	100.83	98.68	2.15	14.56
2	Drip	9.00	73.08	65.52	7.56	13.77
3	Pipelines	12.00	161.14	158.50	2.64	3.00
4	Crop Diversification	41	253.51	20.63	232.88	7.09
5	Other Measures	153.00	148.26	--	45.24	9.16
	Total	228.00	736.82	343.33	290.47	47.58

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	13	2023-24	MICADA	PMKSY(Per Drop More Crop)	14.56
2	Drip	9	2023-24	MICADA	PMKSY(Per Drop More Crop)	13.77
3	UG Pipelines	12	2023-24	Agriculture & Farmer Welfare Department	Other	3
4	Crop Diversification	30	2023-24	Agriculture & Farmer Welfare Department	Mera Pani Meri Virasat(MPMV)	5.19
5	Crop Diversification	11	2023-24	Department of Horticulture	Mera Pani Meri Virasat(MPMV)	1.903
6	Other Measures	43	2023-24	Agriculture & Farmer Welfare Department	Other	1.075
7	Other Measures	52	2023-24	Agriculture & Farmer Welfare Department	Other	5.2
8	Other Measures	6	2023-24	Department of Horticulture	Other	0.96
9	Other Measures	52	2023-24	Agriculture & Farmer Welfare Department	Other	1.924
	Total	228				47.58

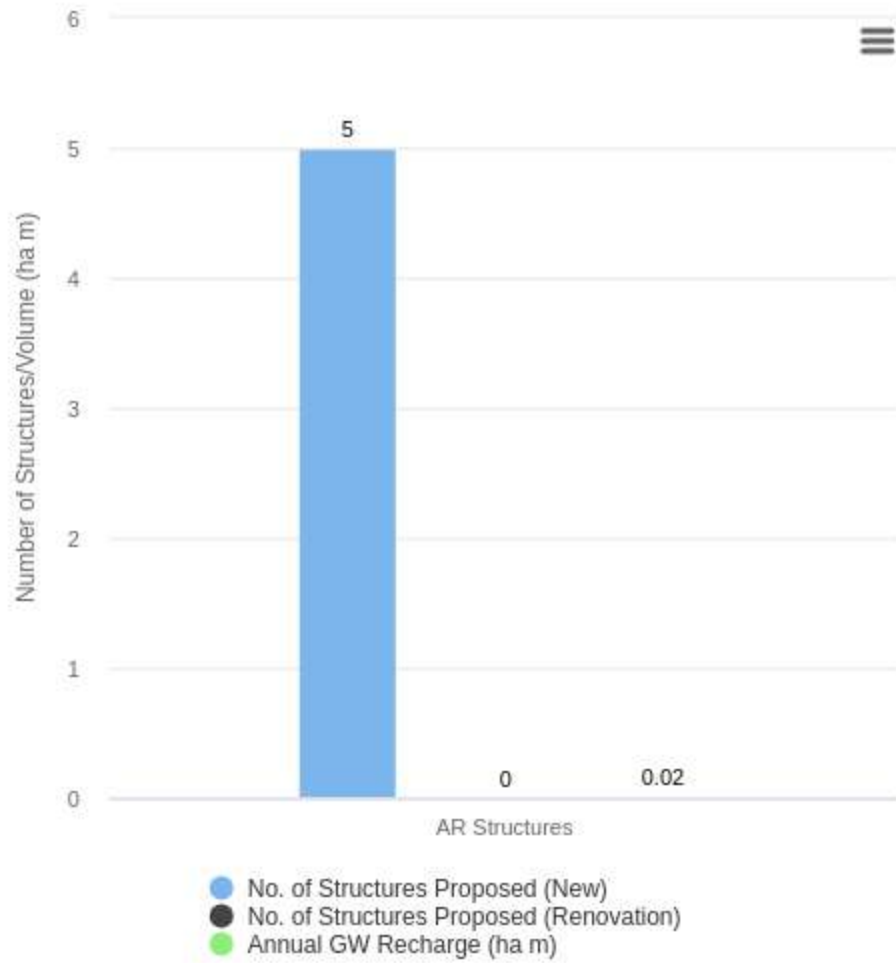


Supply Side (Water Conservation Structures)

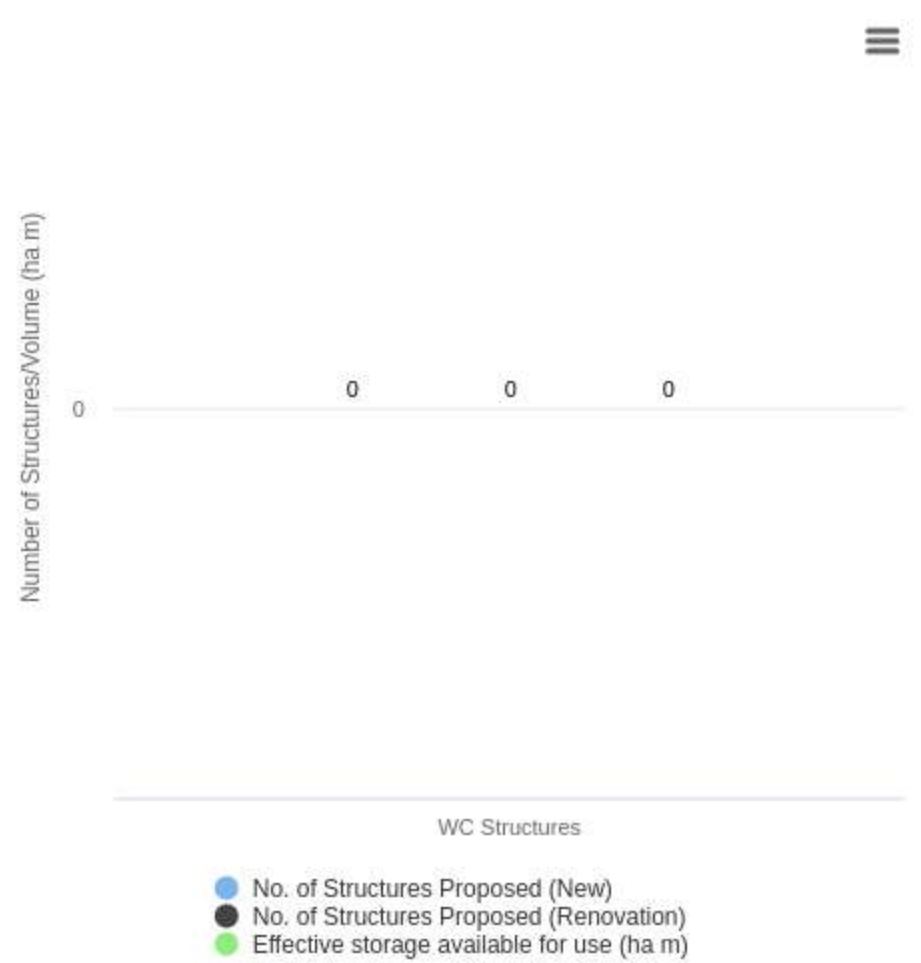
SR No	Name of Structure	Storage Capacity(ha m)	Effective storage available for use (ha m)	Village Name	Latitude	Longitude	Financial Year	Department Name	Scheme Name	Approximate Cost (in Lakhs)
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No Data

Supply Side (Artificial Recharge Structures)



Supply Side (Water Conservation Structures)



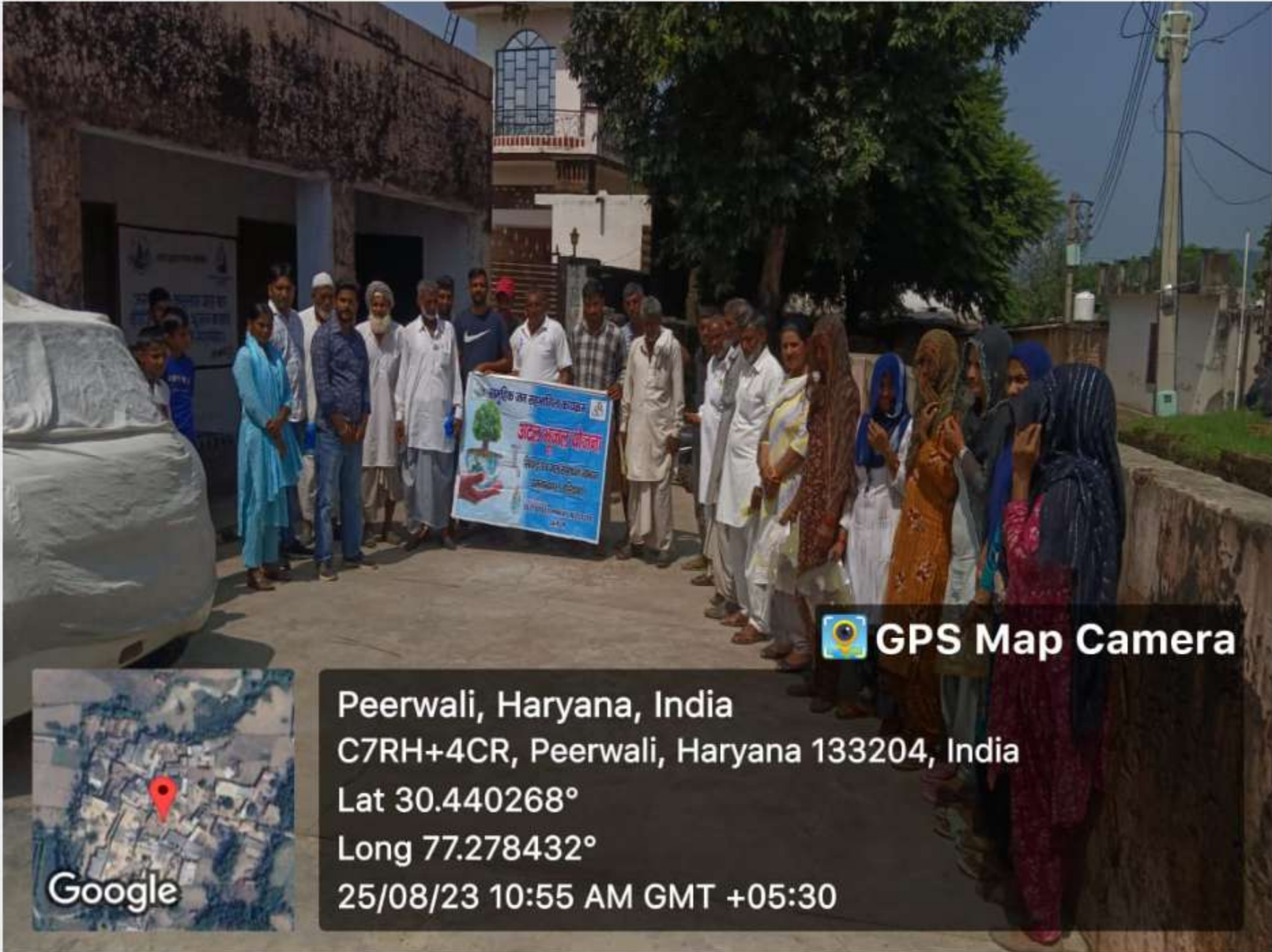
PGWM Committee


PGWM Committee (VWSC/WUA/CBO)				
Sr.no	Name	Designation	Gender	Mobile /Landline No.
1	SONU	JE	Male	9034346665
2	RASTA	CHAIRPERSON	Female	9991225507
3	NABIBA KHATOON	MEMBER	Female	8930037378
4	IMRAANA KHATOON	MEMBER	Female	8398889192
5	AALIM	MEMBER	Male	9813238503
6	REENA DEVI	MEMBER	Female	9991251028
7	NISHA DEVI	MEMBER	Female	8708592477
8	AKBAR	MEMBER	Male	9050609160
9	FULLO RANI	MEMBER	Female	9671285002
10	BILAL KHAN	MEMBER	Male	9050748209
11	JAKIR HUSSAIN	MEMBER	Male	9671053003
12	TARA CHAND	MEMBER	Male	8053726384
13	FURJANA	MEMBER	Female	9991912511
14	MEENA DEVI	MEMBER	Female	9813838447
15	SANDEEP KUMAR	GRAM SACHIV	Male	8053249123
16	LABH SINGH	JE PHED	Male	9466070415

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	Sadaura (Part)_565	Kotla_33559	2023-08-25	Kotla_33559	Kotla (174)	chopal	10	11	0	21

Photograph



 **GPS Map Camera**



Peerwali, Haryana, India

C7RH+4CR, Peerwali, Haryana 133204, India

Lat 30.440268°

Long 77.278432°

25/08/23 10:55 AM GMT +05:30

DPMU DECLARATION


I. Surinder Kumar (Name). Executive Engineer, HKB Division No.1, Jagadhri (Designation). authorized representative under District Program Management Unit (DPMU) declare that the WSP of Kotla Gram Panchayat Sadaura Block/Taluk Yamuna Nagar District has been updated by including additional interventions. The Update 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

Minutes of Meeting

Village Name: Kotla

Block: Sadaura

District: Yamunanagar

Meeting Place: Chaulpal

Lat. No. 30.440268

Long No. 77.278432

Date: 25/08/23

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

अटल भूजल योजना के अंतर्गत कोटला ग्राम पंचायत में जल सुरक्षा योजना उच्चतम अर्थात् नई-नई जल बचाने की तकनीकों को शामिल करने के लिए OIP टीम द्वारा जागरूकता मीटिंग का आयोजन किया गया। मीटिंग के दौरान टीम के सभी विशेष उपस्थित रहे। उन्होंने ग्रामवासियों को जल सुरक्षा योजना से जो नई-नई तकनीकों को शामिल कर सकते हैं। जिससे भूजल स्तर बढ़ता है। इन सबकी जानकारी विस्तारपूर्वक दी गयी। जानकारी के दौरान RTI RWHIS ट्रिप स्प्रेलकर इत्यादि के बारे में बताया कि इन तकनीकों से प्रकार भूजल स्तर बढ़ता है या बचता है।

मीटिंग में WWSU के सदस्य भरपंच पंच सक्रिय महिलायें सक्रिय पुरुष व किसानों के साथ लिए सभी ने भूजल बचाने के महत्व के महत्व को समझा और आभारसम दिया बचाने से अपने नैतिक कर्तव्य को पूर्णतया निभाएंगी।

निष्कर्ष :- ग्रामवासियों की सहमति से जल सुरक्षा योजना की पारित किया गया।

ANNEXURE III

RESOLUTION

Date: 25-08-23

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Gram Panchayat..... Kot/19
 Block/Taluk/Mandal Sadoura 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 25/08/23

Sr. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Rasta	Rasta
2	Gram Panchayat Secretary	SANDEEP KUMAR	Sandeep

सरपंच Rasta
 ग्राम पंचायत कोटली
 जिल्हा सादौरा (य.नगर)

ATTENDANCE SHEET

Gram Panchayat:-

Kotla

Meeting:-

27/11/21

BLOCK:-

Sadaura 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	Roshni	F	BGS	SEWY	Yes	WSSC	911691269	Roshni
2	All mohamed	m	11	Farmer	-	-	992992288	All mohamed
3	Empen	m	11	Farmer	Yes	WSSC	999191261	Empen
4	Khola	F	11	Farmer	-	-	9671204186	Khola
5	Rachati	F	11	Farmer	-	-	8013058612	Rachati
6	Jyoti Kumar	m	BGS	Farmer	WSSC	number	9671053003	Jyoti Kumar
7	Nehoo	F	11	WUS	-	WSSC	9613299003	Nehoo
8	Pillayappa	m	11	Kotwal	-	-	88130533612	Pillayappa
9	Rajeev	F	11	Farmer	-	-	9991228809	Rajeev
10	Sonia	F	11	H.O	-	-	9671050003	Sonia
11	Selamati	m	11	Farmer	Yes	WSSC	9671204186	Selamati
12	Titender	m	11	Farmer	-	-	905841081	Titender
13	Narain	F	11	H.O	-	WSSC	9813448481	Narain
14	Singari	m	11	Farmer	Yes	WSSC	898411105	Singari
15	Devilal	m	11	11	-	-	99920294	Devilal
16	Ravi	m	11	11	-	-	9991225909	Ravi
17	Abhinav	m	11	11	-	-	881309682	Abhinav

