

Water Security Plan Report

Date : 30-09-2023 Time : 2:02 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: MAHENDRAGARH_69 »

BLOCK: MAHENDRAGARH_524 »

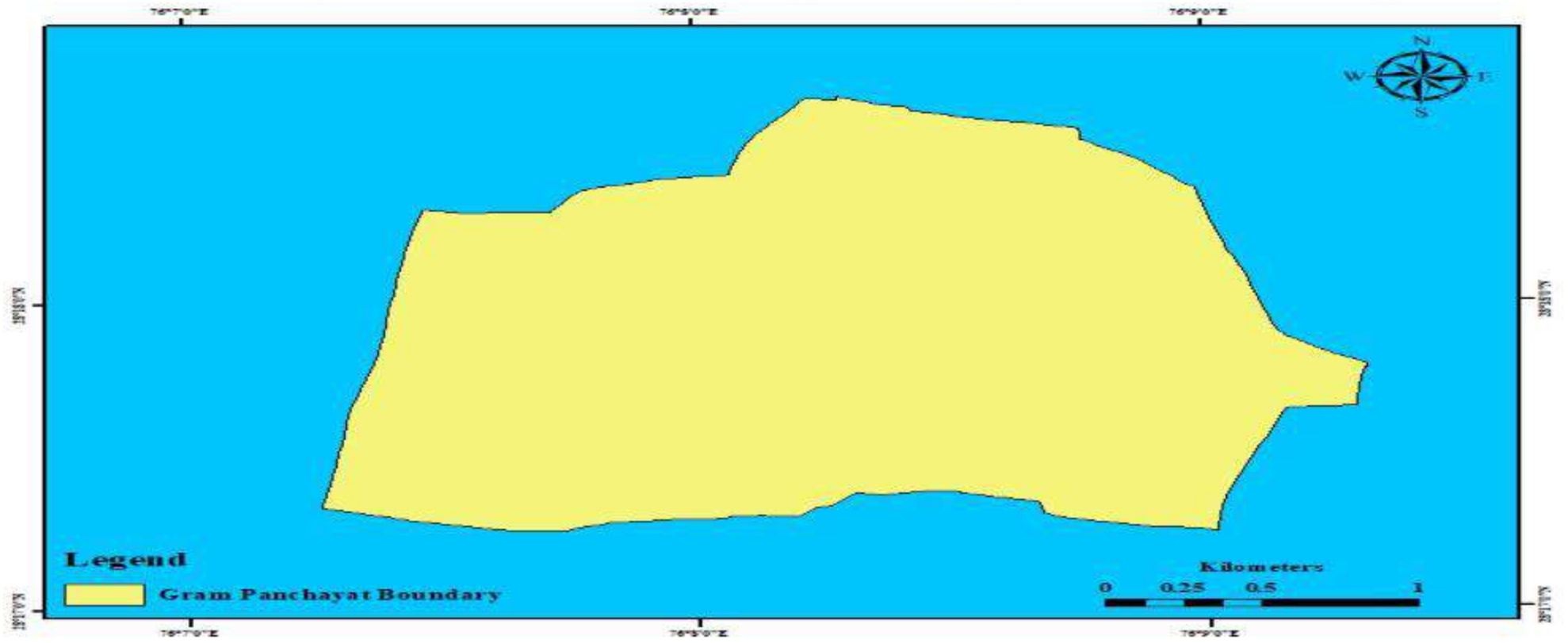
GRAM PANCHAYAT: SISOTH_31636 »

YEAR: 2023-24 »

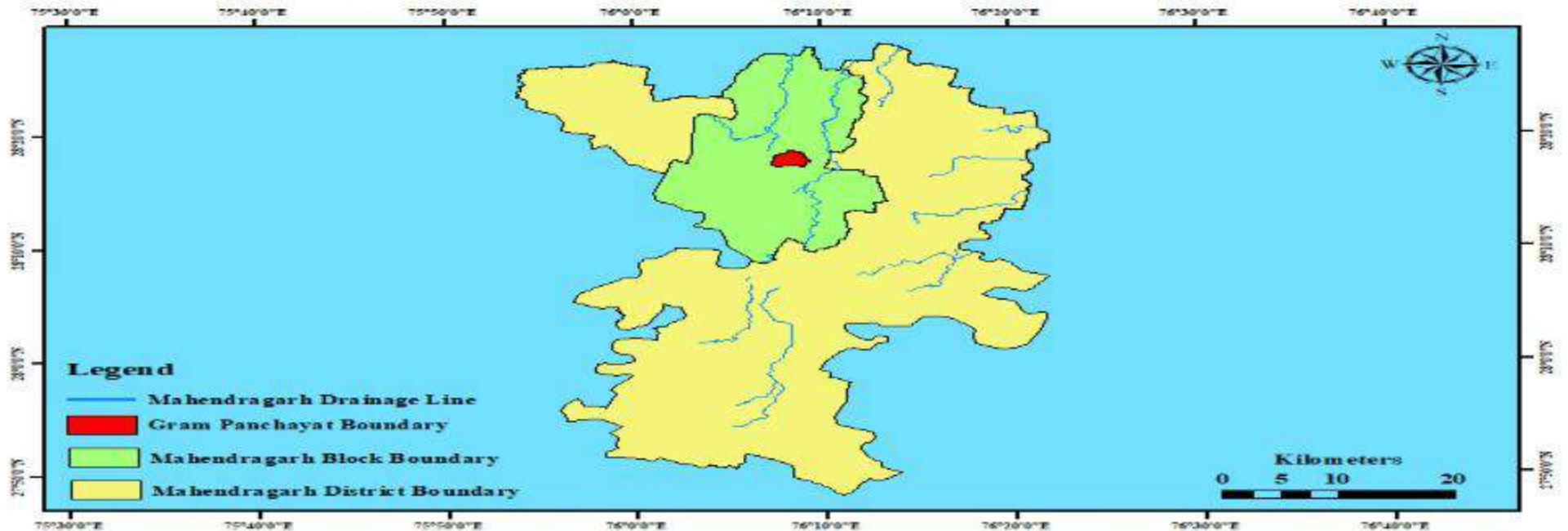
Gram Panchayat Information

State:	Haryana_6	District:	Mahendragarh_69
Block / Taluk :	Mahendragarh_524	GP Name :	Sisoth_31636
GP ID :	31636	Block Area (Ha) :	38205.00
GP area (Ha) :	613.00	Watershed Code :	YMNM006
Watershed name :	Yamuna middle	Watershed area in Block / Taluk (Ha) :	41455.73
Sub-basin Code :	yMNM	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2	Basin Name :	Yamuna

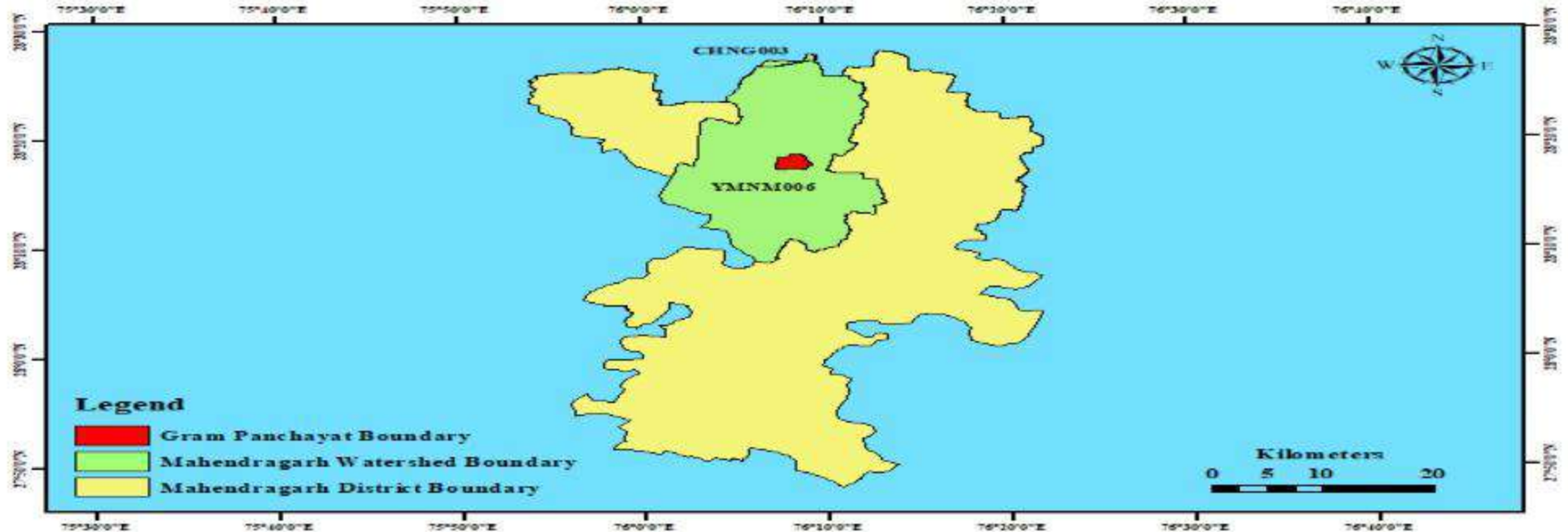
Location Map : Gram Panchayat Sisoth , Mahendragarh Block, Mahendragarh



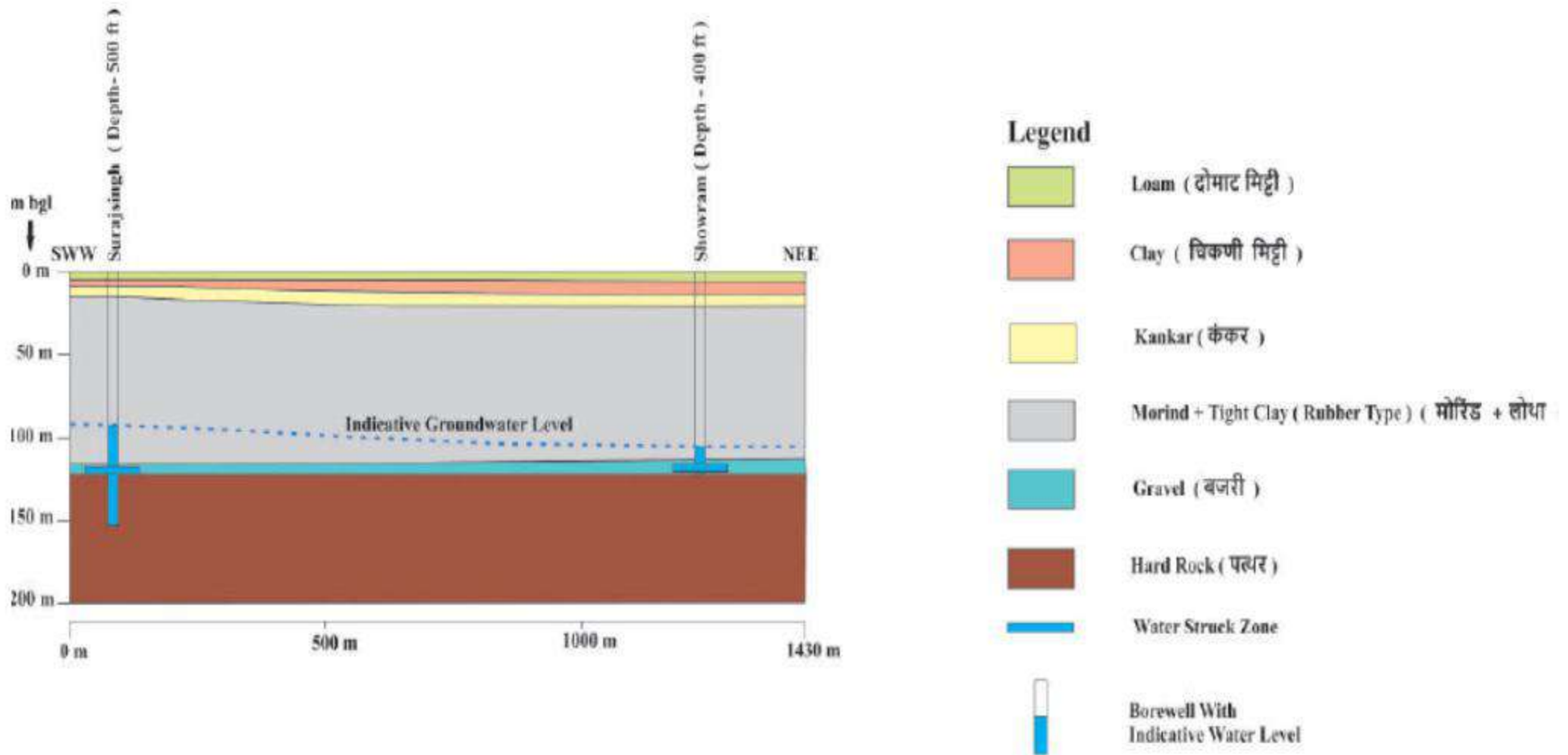
Drainage Map : Gram Panchayat Sisoth , Mahendragarh Block , Mahendragarh



Watershed Map : Gram Panchayat Sisoth , Mahendragarh Block , Mahendragarh



Conceptual Aquifer Map :- Sisoth Village, Mahendragarh Block, Mahendragarh



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	Sisoth	Hoshiar sarpanch Bore well	28.29656	76.1356	27-05-23 1	031636-001	Bore Well	null	Private	null	0.2	160	0.4	112.8	27-05-23
	Sisoth	Hoshiar sarpanch Bore well	28.29656	76.1356	27-05-23 1	031636-001	Bore Well	null	Private	null	0.2	160	0.4	112.1	29-06-23
	Sisoth	Hoshiar sarpanch Bore well	28.29656	76.1356	27-05-23 1	031636-001	Bore Well	null	Private	null	0.2	160	0.4	112.7	21-07-23
	Sisoth	Hoshiar sarpanch Bore well	28.29656	76.1356	27-05-23 1	031636-001	Bore Well	null	Private	null	0.2	160	0.4	112.2	27-08-23
	Sisoth	Hoshiar sarpanch Bore well	28.29656	76.1356	27-05-23 1	031636-001	Bore Well	null	Private	null	0.2	160	0.4	112.3	20-09-23

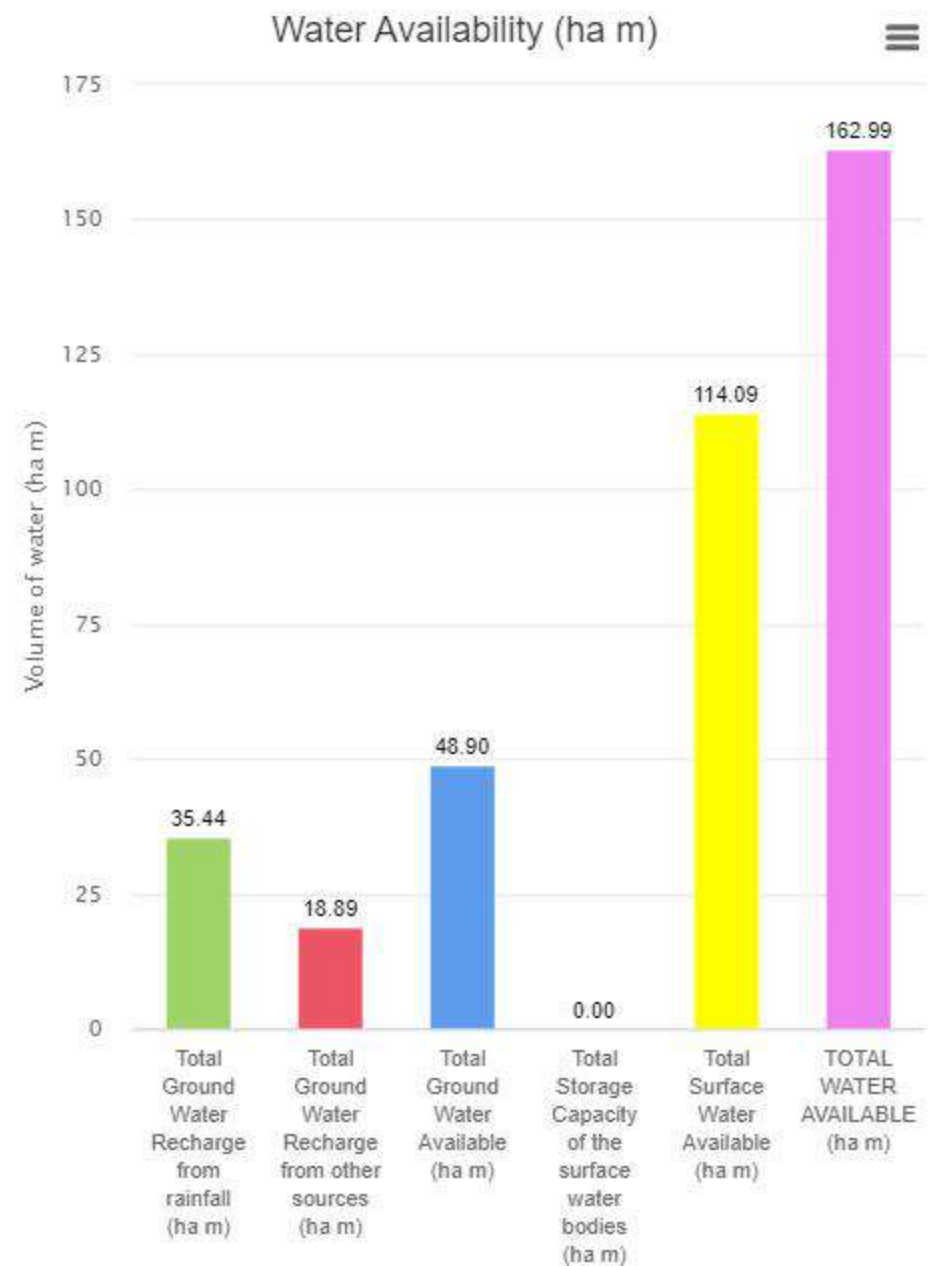
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	SISOTH	RAJPAL	28.291321	76.137001	2022	Tube Well	I&WRD	T.W_HRY_M.GARH_M.GARH_SISOTH_001
2	SISOTH	PHOOL SINGH	28.28928	76.12413	2022	Tube Well	I&WRD	T.W_HRY_M.GARH_M.GARH_SISOTH_002

S.No.	Well ID	Well Depth (m)	Aquifer	PH	EC ($\mu\text{S}/\text{cm}$)	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)
1	TW_HRY_M.GARH_M.GARH_SISOTH_001	283.540009	UNCONFINED	7.4	4750	2850	596	106	80.4	610	12.3	0	398	578	872	1.42
2	TW_HRY_M.GARH_M.GARH_SISOTH_002	280.48999	UNCONFINED	7.4	2660	1620	384	74	48.4	175	0.5	0	372	330	520	0.62

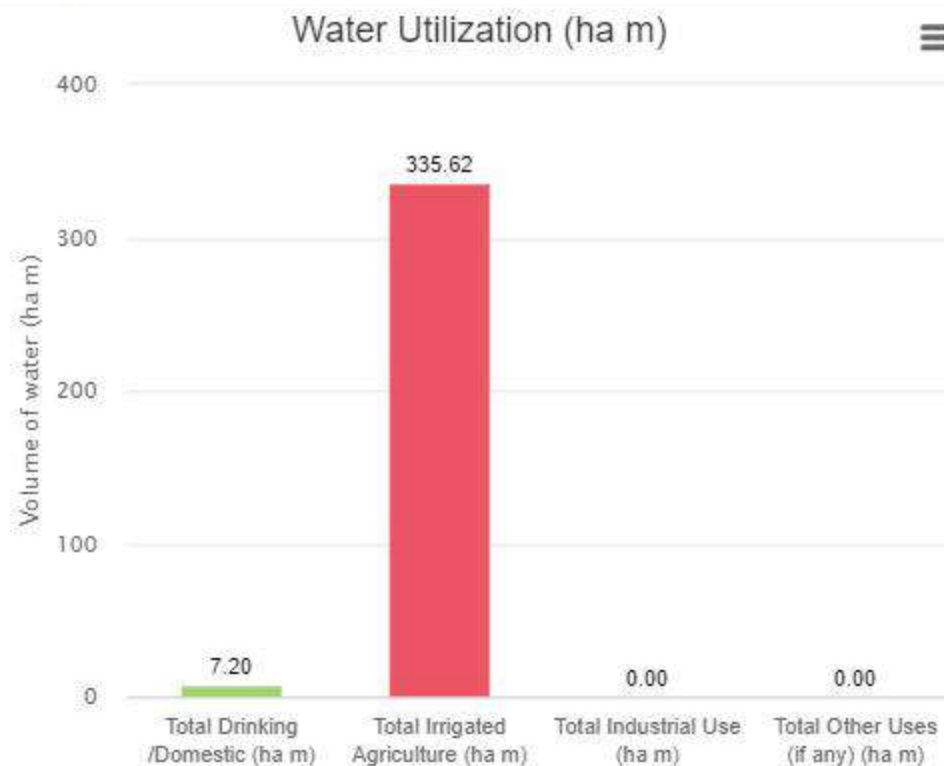
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	684.10
b.	Estimated Volume of Rainfall (ha m)	419.35
c.	Evapotranspiration rate (mm)	390.06
d.	Estimated Evapotranspiration losses (ha m)	239.11
e.	Estimated Water Available From Rainfall (ha m)	180.24
f.	Weighted Average Runoff Coefficient	0.20
g.	Rainfall Runoff(ha m)	
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	26.58
(ii)	Non-Monsoon	8.86
	Total Ground Water Recharge from rainfall (ha m)	35.44
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	5.61
(ii)	Non-Monsoon	13.28
	Total Ground Water Recharge from other sources (ha m)	18.89
c.	Losses Due to Natural Discharge (ha m)	5.43
	Total Ground Water Available (ha m)	48.90
d.	Ground Water Withdrawal (ha m)	62.50
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)
0	0	0
	Total Storage Capacity of the surface water bodies (ha m)	0.00
(ii)	Losses if Any (%)	50.00
(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)	114.09
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	162.99



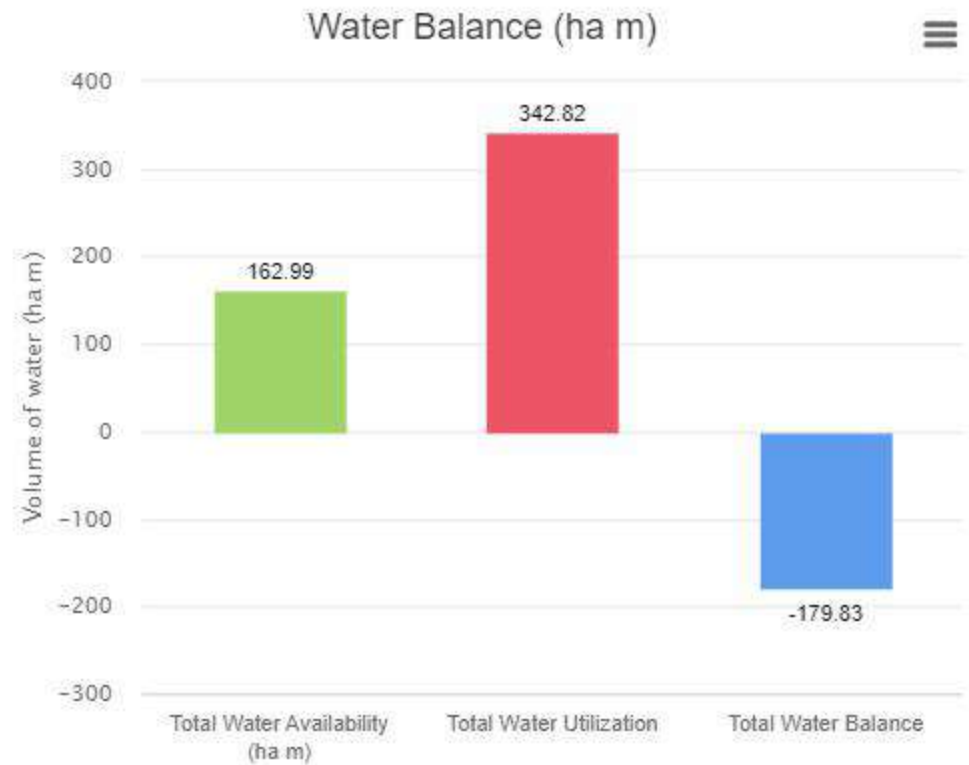
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	2.71
ii)	From Ground Water	4.49
	Total Drinking /Domestic (ha m)	7.20
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	73.84
ii)	From Ground Water	261.78
	Total Irrigated Agriculture (ha m)	335.62
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

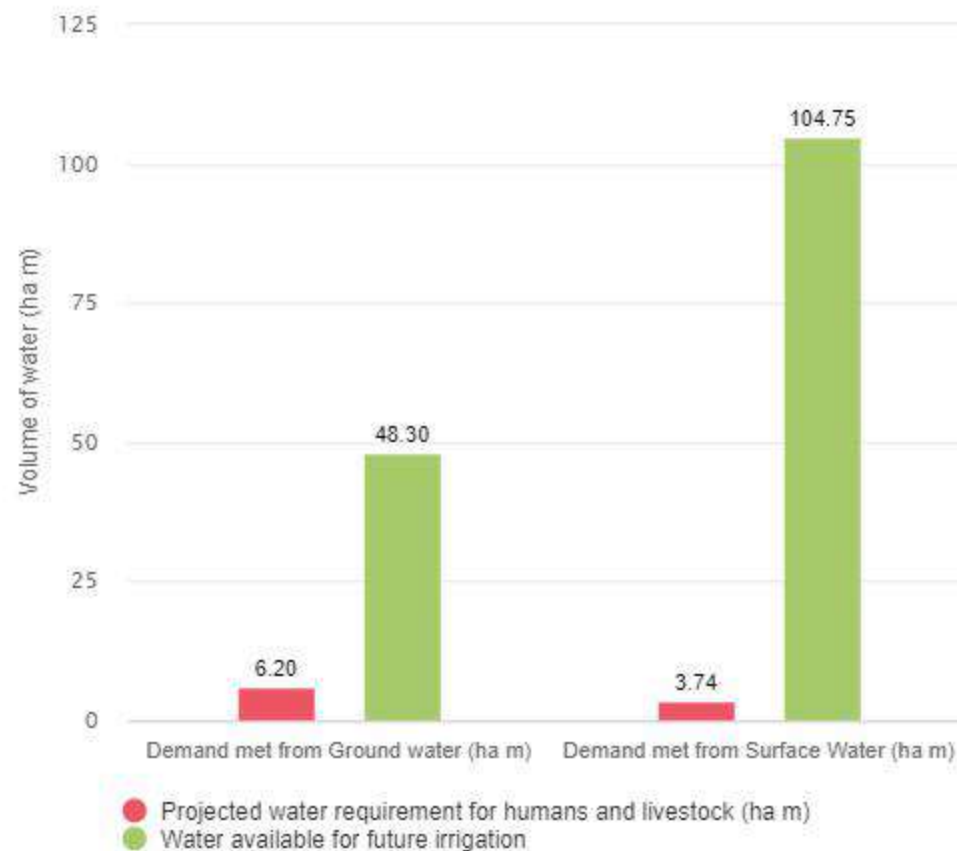
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	48.90
ii)	Total Surface Water Available	114.09
	Total Water Availability (ha m)	162.99
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	76.55
ii)	Total Ground Water Utilization	266.27
	Total Water Utilization	342.82
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-217.37
ii)	Total Surface Water Balance	37.54
	Total Water Balance	-179.83



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	2535.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	3540.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	7.11
II Livestock	
i) Present livestock population	3463.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	4639.00
v) Average per capita requirement (L)	16.71
vi) Projected water requirement for livestock (as in 2050) (ha m)	2.83
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)	9.94
i) Proposed share to be met from Ground water (in %)	62.41
ii) Proposed share to be met from Surface water (in %)	37.59
iii) Demand met from Ground water (ha m)	6.20
iv) Demand met from Surface water (ha m)	3.74
C Water available for future irrigation	
i) Ground Water	48.30
ii) Surface water	104.75
iii) Total water available for future irrigation	153.05

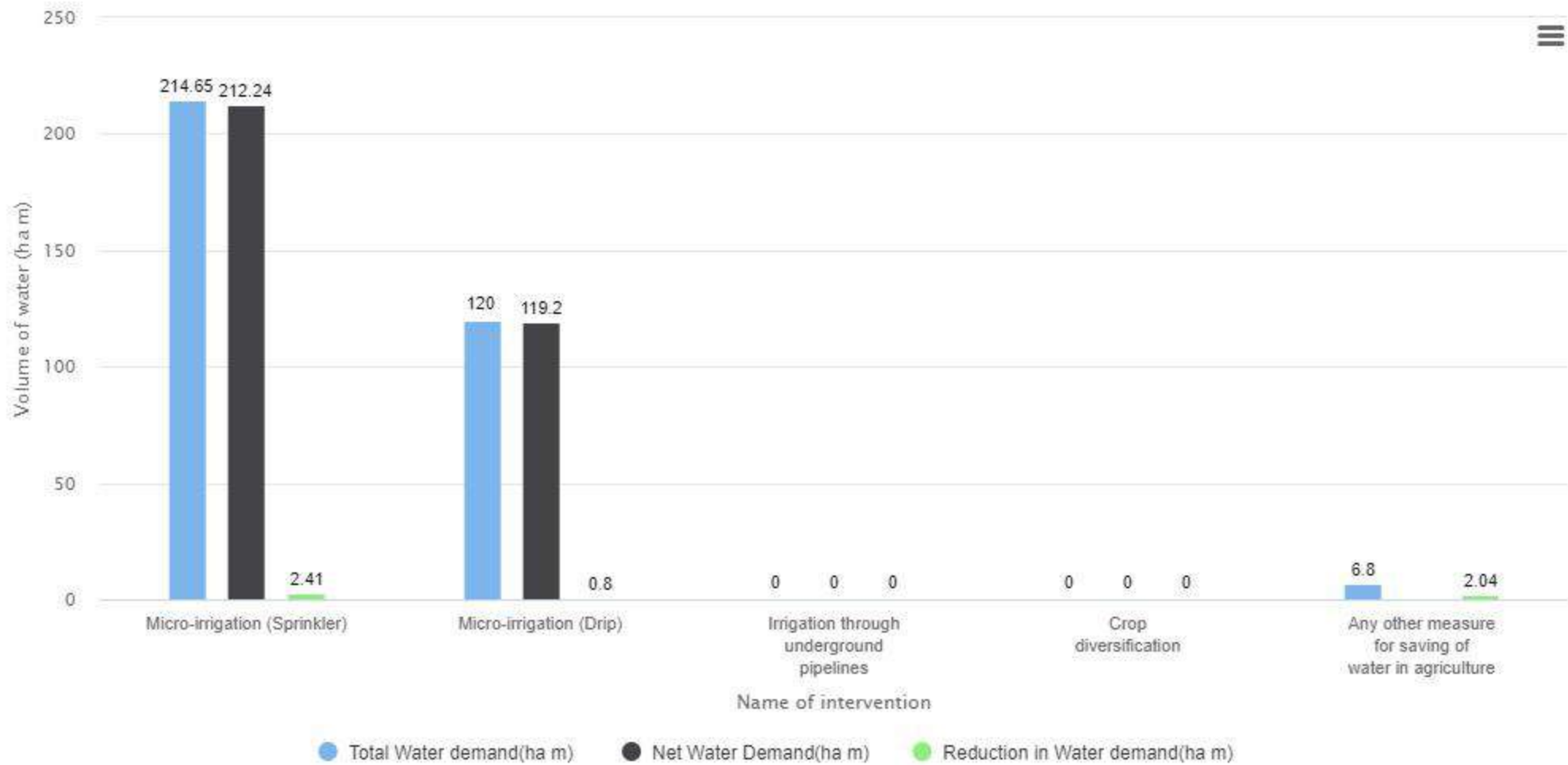
Projected Water Budget for future use (for year 2050)



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	19.00	214.65	212.24	2.41	4.73
2	Drip	2.00	120.00	119.20	0.80	1.95
3	Pipelines	0.00	0.00	0.00	0.00	0.00
4	Crop Diversification	0	0.00	0.00	0.00	0.00
5	Other Measures	17.00	6.80	--	2.04	0.64
	Total	38.00	341.45	331.44	5.25	7.32

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Other Measures	17	2023-24	Agriculture & Farmer Welfare Department	Other	0.6375
2	Drip	2	2023-24	MICADA	PMKSY	1.95
3	Sprinkler	19	2023-24	MICADA	PMKSY	4.731
	Total	38				7.32



Supply Side

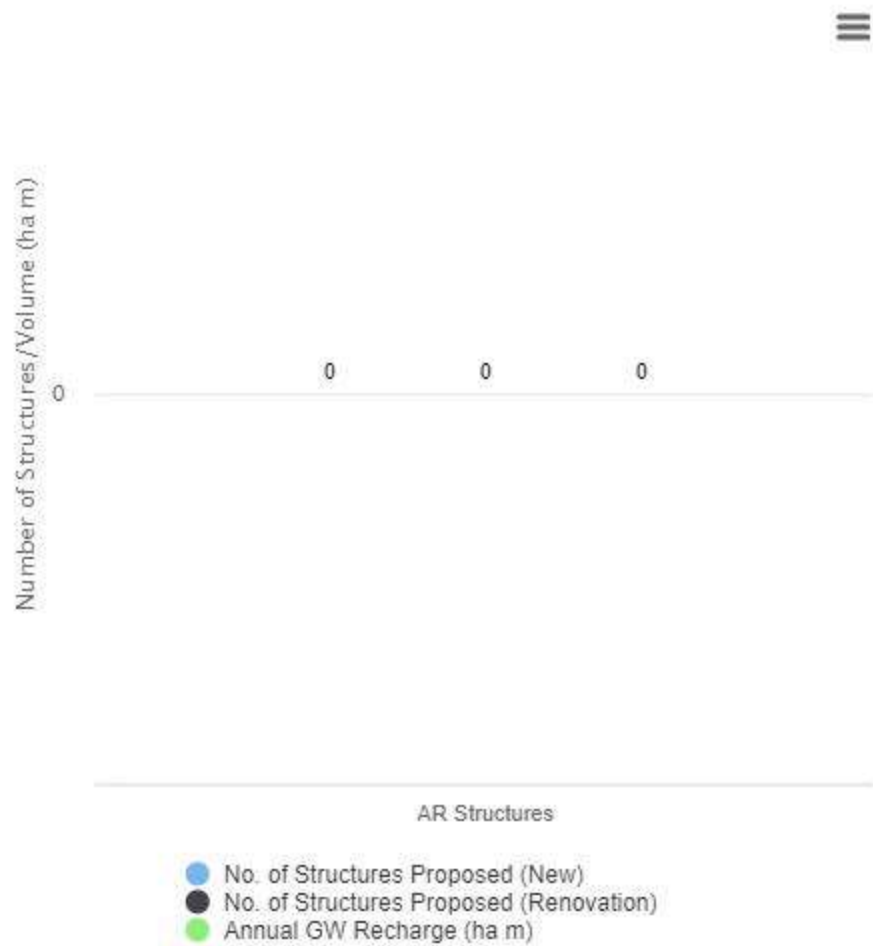
Supply Side (Artificial Recharge Structures)

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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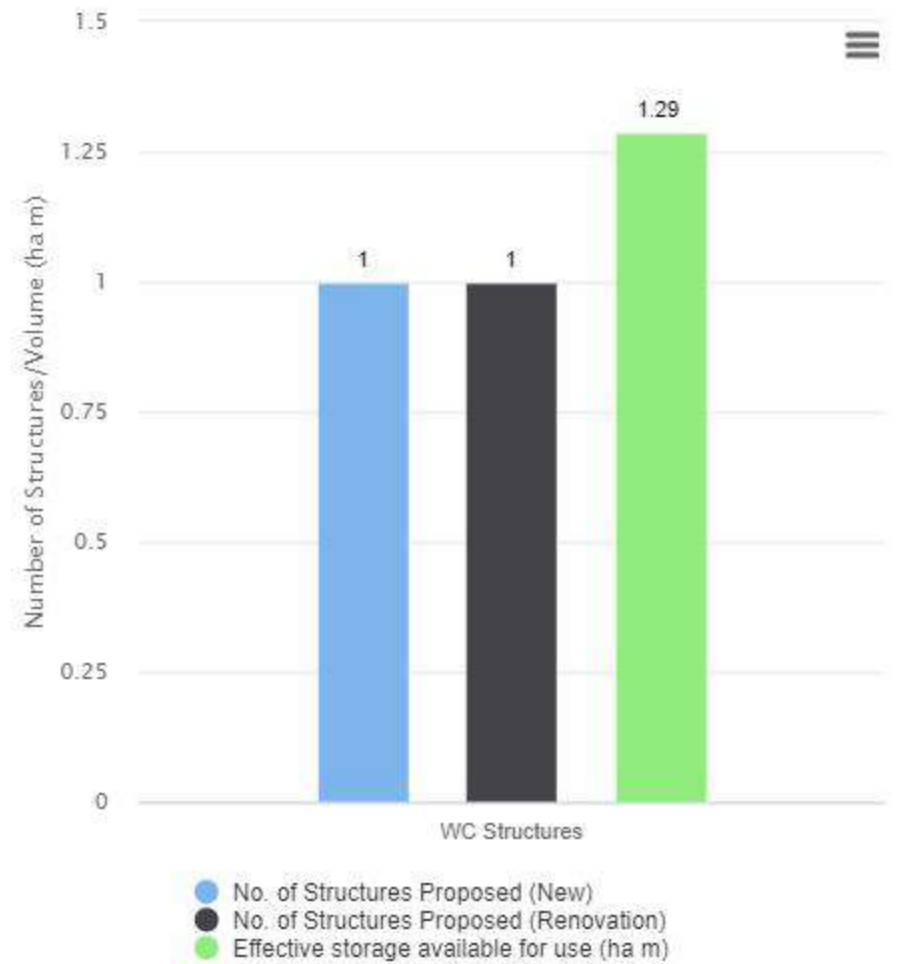
Supply Side (Water Conservation Structures)

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	Rain Water Harvesting Structure(New)	1.5	0.09	Sisoth(61)	28.293521	76.139362	2023-24	Rural Development Department	DPDC (District Planning and Development Council)	4.5
2	Pond/Amrit Sarovar(Renovation)	2.0	1.2000	Sisoth(61)	28.293456	76.139965	2023-24	Panchayat Raj Engineering Department	Amrit Sarovar	18.60
	Total	3.50	1.29							23.10

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	BIRENDER	Chairperson	Male	930645709
2	SATENDER	Member	Male	868386845
3	MEENA DEVI	Member	Female	857193403
4	SEEMA KUMAR	Member	Female	701284776
5	REKHA BAI	Member	Female	958879942
6	PUSHPA	Member	Female	805973764
7	SANTOSH	Member	Male	8168629827
8	MANJEET	Member	Male	9518211246
9	SURAT SINGH	Member	Male	9671701807
10	RAJ KUMAR	Member	Male	9416758907
11	POONAM DEVI	Member	Female	951821124
12	USHA	Member	Female	981230337
13	MUNESH	Member	Female	868386845
14	LALIT KUMAR	Member (JE, Development & panchayat)	Male	999653359
15	RAKESH KUMAR	Member (Gram Sachiv)	Male	981362301
16	HARISH KUMAR	Technical Member (JE, PHED)	Male	903469555

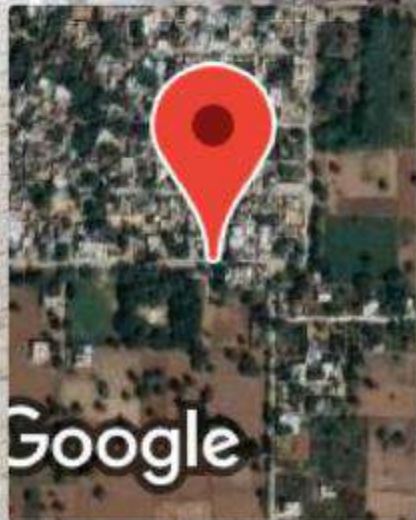
Details of PGWM Meeting in which resolution was passed

Sr.no	State	District	Block	Gram Panchayat	Date	GP Name	Village Name	Meeting Location	Male	Female	Transgender	Total number of attendees
1	Haryana_6	Mahendragarh_69	Mahendragarh_524	Sisoith_31636	2023-07-25	Sisoith_31636	Sisoith(61)	Panchyat Ghar	21	15	0	36

Photograph



GPS Map Camera



Sisoth, Haryana, India

Mata Bhura Bhavani Rd, Sisoth, Palri, Haryana

123029, India

Lat 28.290707°

Long 76.144083°

25/07/23 06:05 PM GMT +05:30

DPMU DECLARATION

I, Sambhaz Singh (Name), S.D.O.
(Designation), authorized representative under District Program Management Unit (DPMU)
declare that the WSP of Sisoh Gram Panchayat, M/Sarth Block/Taluk
M/Sarth 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

Sub. Division
W/S Sub. Division No -
Mohindergarh

[Signature]
JEC

[Signature]
C.W.E.

MOM

दिनांक :- 25/07/23, गांव :- सिसोठ जिना :- मैकेन्द्रगढ़
स्थान :- पंचायत घर ब्लॉक :- मैकेन्द्रगढ़ राज्य - हरियाणा

आज दिनांक 25/07/23 को अटल भूजल योजना की जिला कार्यान्वयन टीम (DIP) ने ब्लॉक मैकेन्द्रगढ़ के गांव में तम सभधानुसार जल सुरक्षा योजना पर बैठक का आयोजन किया गया। इस बैठक में जल सुरक्षा योजना (Water Security Plan) पर चर्चा की गई। बैठक में वाटर सिम्यूलेटिव प्लान के पश्चात् स्थापित फाउन्टै के धारे में भी लोगों को अवगत कराया गया। उपरोक्त जन बैठक में ग्रामीण, VWSC समिती सदस्य आगनवासी वर्कर उपस्थित रही। भविष्य में भू-जल स्तर को सांख्यिक रूप से एक क्रॉस-वर्दाने लक्ष्यी विचार के तहत रखा गया।

Date - 25/7/23

Attendance Sheet

विकास वि

VILL - SISOTH

Atal Shri - Yojana MGN Attendance Sheet, Mahendragirh

14-09



Sr no	Name	Gender	Category	Occupation	Are you a member of any committee (Yes/No)	If yes, name of the committee	Land holding Status	Phone no	Signature
19	श्याम	SCF	SC	श्रमिका	नहीं	नहीं	>5 acre	8291058435	श्याम
20	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	<2.5 acre	8291058435	श्यामिका
21	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	<2.5 acre	9813634930	श्यामिका
22	श्यामिका	M	OBC	M.H	नहीं	नहीं	>5 acre	8814087931	श्यामिका
23	श्यामिका	M	SC	M.P.H	नहीं	नहीं	>5 acre	8814087931	श्यामिका
24	श्यामिका	M	SC	श्रमिका	नहीं	नहीं	>5 acre	8168869918	श्यामिका
25	श्यामिका	M	SC	श्रमिका	नहीं	नहीं	>5 acre	9416521892	श्यामिका
26	श्यामिका	M	SC	श्रमिका	नहीं	नहीं	>5 acre	9813143657	श्यामिका
27	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	>5 acre	9466858999	श्यामिका
28	श्यामिका	M	SC	श्रमिका	नहीं	नहीं	>5 acre	8813009182	श्यामिका
29	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	>5 acre	819904933	श्यामिका
30	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	>5 acre	8199049111	श्यामिका
31	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	>5 acre	8198949513	श्यामिका
32	श्यामिका	M	OBC	श्रमिका	नहीं	नहीं	>5 acre	8683868451	श्यामिका
33	श्यामिका	F	SC	श्रमिका	नहीं	नहीं	>5 acre	9518211246	श्यामिका
34	श्यामिका	M	OBC	श्रमिका	नहीं	नहीं	>5 acre	9588799424	श्यामिका
35	श्यामिका	F	OBC	श्रमिका	नहीं	नहीं	>5 acre	9416758907	श्यामिका
	श्यामिका	F	OBC	श्रमिका	नहीं	नहीं	>5 acre	7012847761	श्यामिका
	श्यामिका	F	OBC	श्रमिका	नहीं	नहीं	>5 acre	8571934039	श्यामिका


ANNEXURE III

RESOLUTION

Date: 25/07/23

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of Sisoth Gram Panchayat, Mahendragadh Block/Taluk/Mandal, M. Jambh District, Madhya 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 25/07/2023

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	Virender Kumar (9306457093)	 सरपंच ग्राम
2	Gram Panchayat Secretary	Rakesh Kumar (9815623017)	 सिपाई

as behrens of a/c


25/09/23
पंचायत घर

प्रस्ताव (Resolution)

गांव :- सिरोत

ब्लॉक - महेन्द्रगढ़

जिला :- महेन्द्रगढ़

राज्य :- हरियाणा

उत्पाद दिनांक 25/09 को उत्पन्न भूजल योजना की जिला कार्यालय सहभागी टीम (DIP) के जनसंपर्क विशेषज्ञ (IEC) ने ब्लॉक के सिरोत गाँव में प्रस्ताव (Resolution) के लिए जल बैंक का आयोजन किया गया। इस जल बैंक में गाँव के कुछ वरिष्ठ किसान महिलाएं एवं गाँव जल स्वच्छता समिति (VWSC) के सदस्यों ने अपनी सहभागिता दिखाई। जल के प्रारम्भ में पिछनी जल बँकों का धिक्र करते हुए भूजल स्तर बढ़ाने हेतु जो सुझाव गाँव वालों ने बताये उनको गाँव की जल सुरु योजना (WSP) में उाला गया है। वे निम्नलिखित प्रकार से हैं।

- 1) गाँव के कुछ जोड़ों को नाला-सफाई करवाई एवं उसका धिनीउद्धार किया जाए।
- 2) गाँव के सूखे पड़े जोड़ों को नहर से जुड़ा जाए। प्रत्येक माटवी उनमें नहरी पानी डलवाया जाए।
- 3) गाँव के नहरी पानी वाले जोड़ों में नये रिन्वार्ज जो गाँव के नीचे पानी के नलबे तक बनावाया
- 4) गाँव के सरकारी स्कूल में रैन वॉटर टारवेटिंग बनवाया जाए।

Date-25/07/23

Atal Bhu... Yojana KOTI Attendance Sheet, Mahendragrah

ser-09

4-11/11/23
WILL- SISOOTH

Srno	Name	Gender	Category	Occupation	Are you a member of any committee?	If yes, name of the committee	Land holding Status	Phone no	Signature
1	श्रीदासा	M	BCA	मिस्त्राव	अहो	अहो	>5 acre	9991176083	श्रीदासा
2	राधुदीर	M	ग	मिस्त्राव	अहो	अहो	4	8816081884	राधुदीर
3	दीप मिसे	M	ग	मिस्त्राव	अहो	अहो	1	9485891637	दीप मिसे
4	राधाश्याम	M	SC	शुद्धी	अहो	अहो	अहो	9485694637	राधाश्याम
5	दीपकुमार	M	O.B.C	शुद्धी	अहो	अहो	अहो	8813009187	दीपकुमार
6	दीपकुमार	M	S.C	शुद्धी	अहो	अहो	अहो	9466850873	दीपकुमार
7	श्यामदास	M	SC	शुद्धी	अहो	अहो	अहो	9050825341	श्यामदास
8	श्यामदास	M	SC	शुद्धी	अहो	अहो	अहो	8198949513	श्यामदास
9	श्यामदास	M	SC	शुद्धी	अहो	अहो	अहो	9991176083	श्यामदास
10	श्यामदास	M	SC	शुद्धी	अहो	अहो	अहो	9050319427	श्यामदास
11	दीपकुमार	M	SC	शुद्धी	अहो	अहो	अहो	9991203476	दीपकुमार
12	श्यामदास	M	SC	शुद्धी	अहो	अहो	अहो	8281052432	श्यामदास
13	श्यामदास	M	OBC	शुद्धी	अहो	अहो	अहो	7242742050	श्यामदास
14	श्यामदास	F	SC	शुद्धी	अहो	अहो	अहो	9991203476	श्यामदास
15	श्यामदास	F	SC	शुद्धी	अहो	अहो	अहो	9991203476	श्यामदास
16	श्यामदास	M	SC	शुद्धी	अहो	अहो	अहो	8221052435	श्यामदास
17	श्यामदास	F	SC	शुद्धी	अहो	अहो	अहो	9050765484	श्यामदास

श्यामदास

Date - 25/7/23

Attendance Sheet

पञ्चम वर

VILL - BISOOTH

Atal Bhu... Vojana MDM Attendance Sheet, Mahendargrah, 1

ser-09

Sr no	Name	Gender	Category	Occupation	Are you a member of any committee?	If yes, name of the committee	Land holding Status	Phone no	Signature
19	श्याम	SCF	SC	ग्रहण	है	है	>5 acre	8221052433	श्याम
20	श्याम	F	SC	ग्रहण	है	है	>2.5 acre	8221052433	श्याम
21	श्याम	F	SC	ग्रहण	है	है	>2.5 acre	9813634920	श्याम
22	श्याम	M	OBC	M.A	है	है	>5 acre	8814087934	श्याम
23	श्याम	M	SC	M.P.H.U	है	है	>5 acre	8168869218	श्याम
24	श्याम	M	SC	ग्रहण	है	है	>5 acre	9416521892	श्याम
25	श्याम	M	SC	ग्रहण	है	है	>5 acre	9813143651	श्याम
26	श्याम	F	SC	ग्रहण	है	है	>5 acre	9466850292	श्याम
27	श्याम	M	SC	ग्रहण	है	है	>5 acre	8813009187	श्याम
28	श्याम	M	SC	ग्रहण	है	है	>5 acre	8199049133	श्याम
29	श्याम	F	SC	ग्रहण	है	है	>5 acre	8199049111	श्याम
30	श्याम	F	SC	ग्रहण	है	है	>5 acre	8198949513	श्याम
31	श्याम	F	SC	ग्रहण	है	है	>5 acre	8683868451	श्याम
32	श्याम	M	OBC	ग्रहण	है	है	>5 acre	9518211246	श्याम
33	श्याम	F	SC	ग्रहण	है	है	>5 acre	9588799424	श्याम
34	श्याम	M	OBC	ग्रहण	है	है	>5 acre	9416758907	श्याम
35	श्याम	F	OBC	ग्रहण	है	है	>5 acre	7012847761	श्याम
	श्याम	F	OBC	ग्रहण	है	है	>5 acre	8571934059	श्याम