

Water Security Plan Report

Date : 29-09-2023 Time : 2:56 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: MAHENDRAGARH_69 »

BLOCK: NANGAL CHAUDHRY_525 »

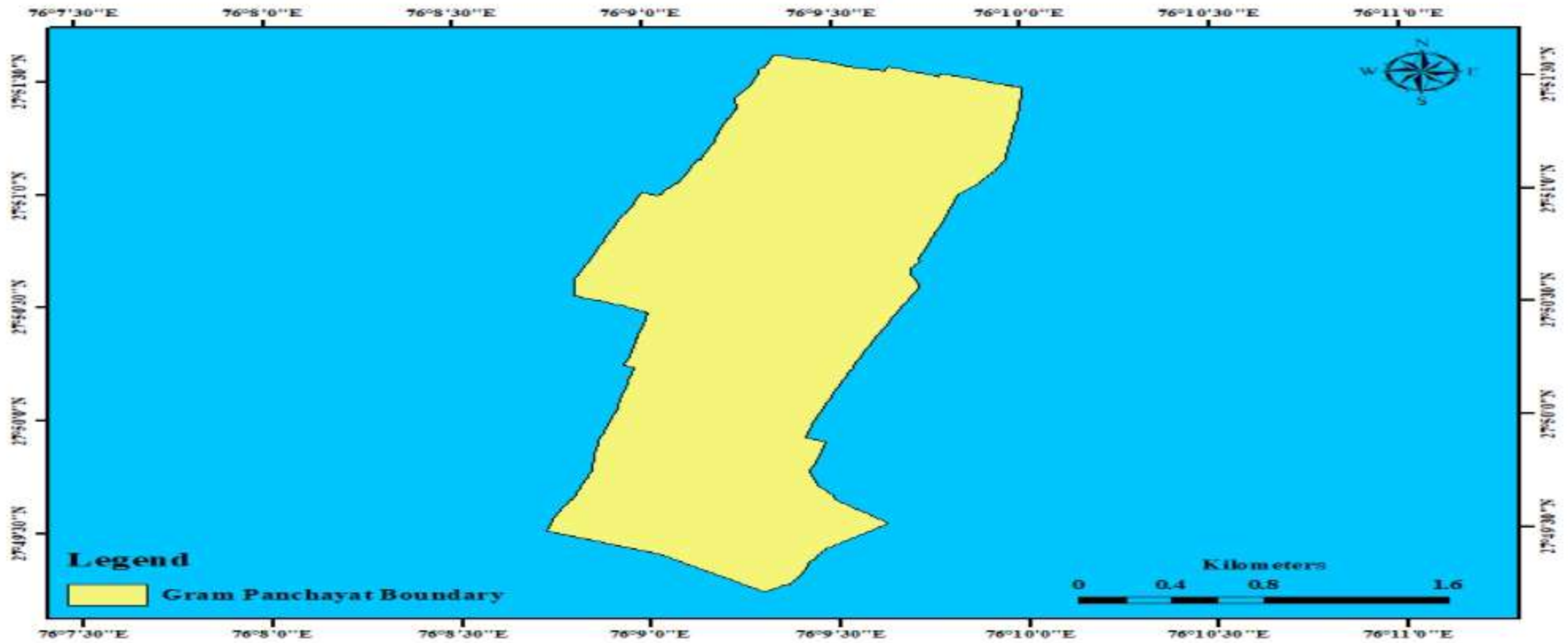
GRAM PANCHAYAT: THANWAS_31698 »

YEAR: 2023-24 »

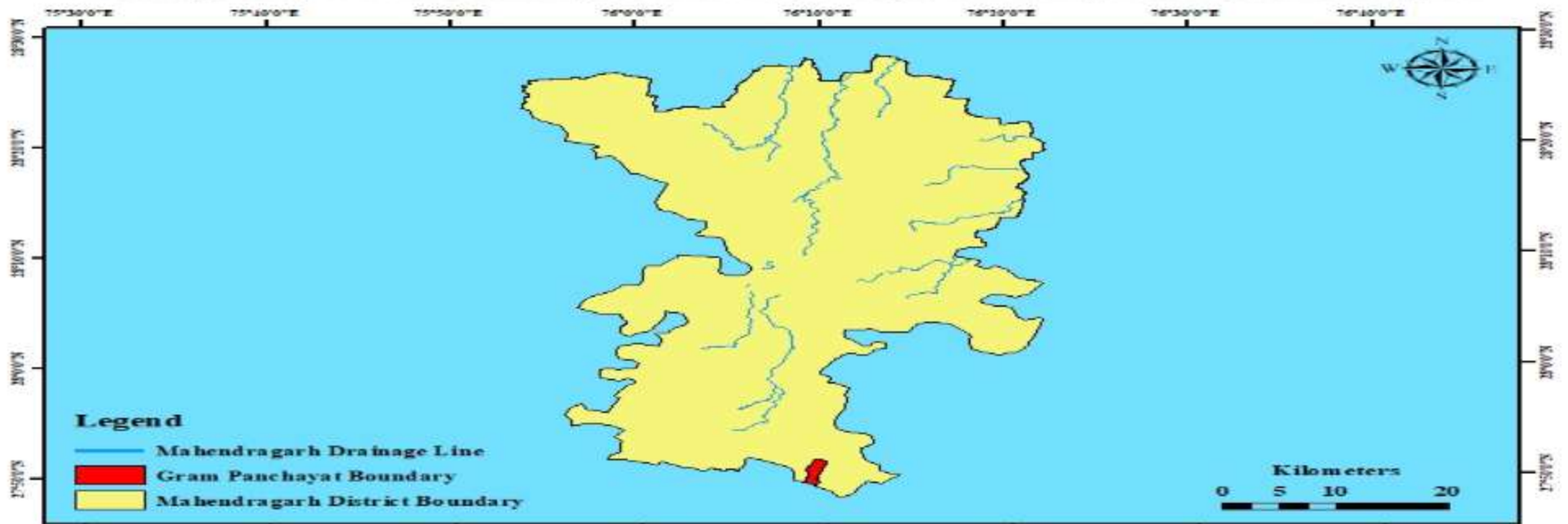
Gram Panchayat Information

State:	Haryana_6	District:	Mahendragarh_69
Block / Taluk :	Nangal Chaudhry_525	GP Name :	Thanwas_31698
GP ID :	31698	Block Area (Ha) :	18887.00
GP area (Ha) :	477.00	Watershed Code :	YMNM007
Watershed name :	Yamuna middle	Watershed area in Block / Taluk (Ha) :	20835.21
Sub-basin Code :	yMNM	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2	Basin Name :	Yamuna

Location Map : Gram Panchayat Thanwas , Nangal Chaudhry Block, Mahendragarh



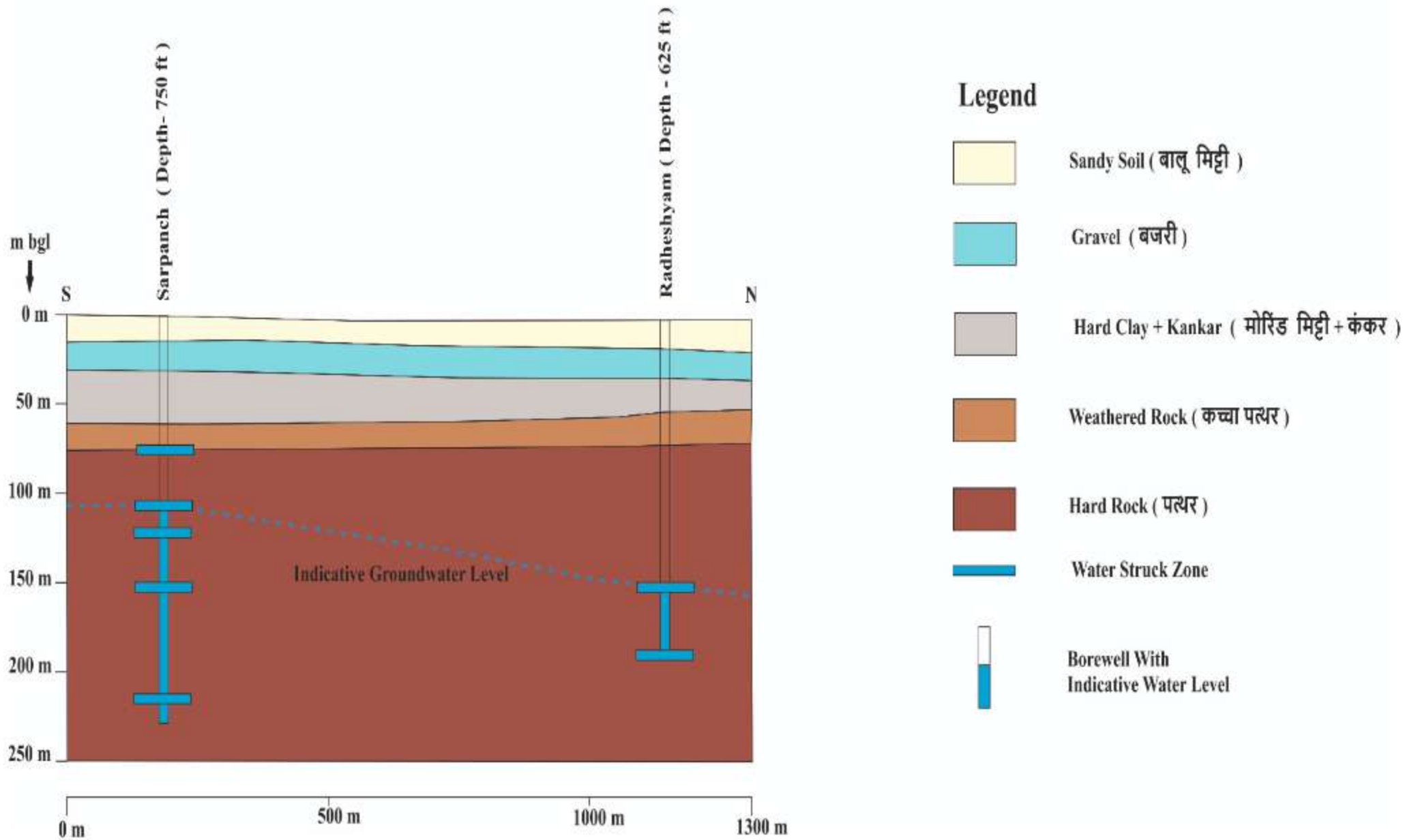
Drainage Map : Gram Panchayat Thanwas , Nangal Chaudhry Block , Mahendragarh



Watershed Map : Gram Panchayat Thanwas , Nangal Chaudhry Block , Mahendragarh



Conceptual Aquifer Map :- Thanwas Village, Nangal Chaudhary 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	Thanwas	Govt primary schools	27.84825	76.15601	29:58.2	031698-001	Piezometer	null	Government	SGWB	0.1	130	0.5	63.85	19-05-23
	Thanwas	Govt primary schools	27.84825	76.15601	29:58.2	031698-001	Piezometer	null	Government	SGWB	0.1	130	0.5	63.9	20-07-23
	Thanwas	Govt primary schools	27.84825	76.15601	29:58.2	031698-001	Piezometer	null	Government	SGWB	0.1	130	0.5	63.81	19-08-23
	Thanwas	Govt primary schools	27.84825	76.15601	29:58.2	031698-001	Piezometer	null	Government	SGWB	0.1	130	0.5	64.5	23-06-23
	Thanwas	Govt primary schools	27.84825	76.15601	29:58.2	031698-001	Piezometer	null	Government	SGWB	0.1	130	0.5	63.83	21-09-23

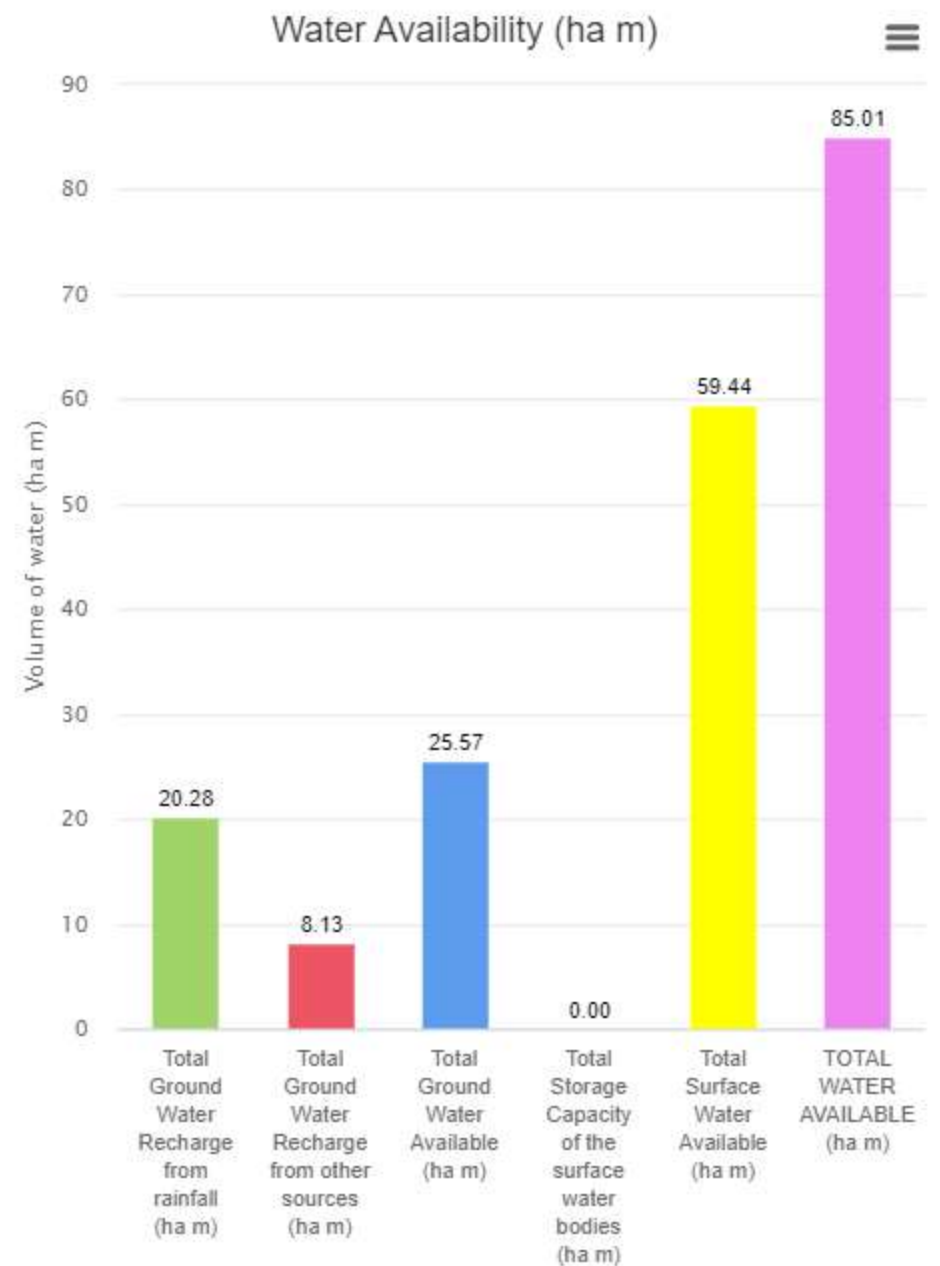
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	THANWAS	TEJPAL	27.834845	76.152695	2022	Tube Well	I&WRD	HRY_M.GARH_N.CHOUDHARY_THANWAS_001
2	THANWAS	RAM KUMAR	27.849958	76.16124	2022	Tube Well	I&WRD	HRY_M.GARH_N.CHOUDHARY_THANWAS_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)
1	HRY_M.GARH_N.CHOUDHARY_THANWAS_001	219.509995	UNCONFINED	7.4	1136	688	236	49	27.6	167	2.6	0	310	72	126	0.89
2	HRY_M.GARH_N.CHOUDHARY_THANWAS_002	237.800003	UNCONFINED	7.8	2050	1251	275	76	20.7	190	1	0	358	236	198	0.95

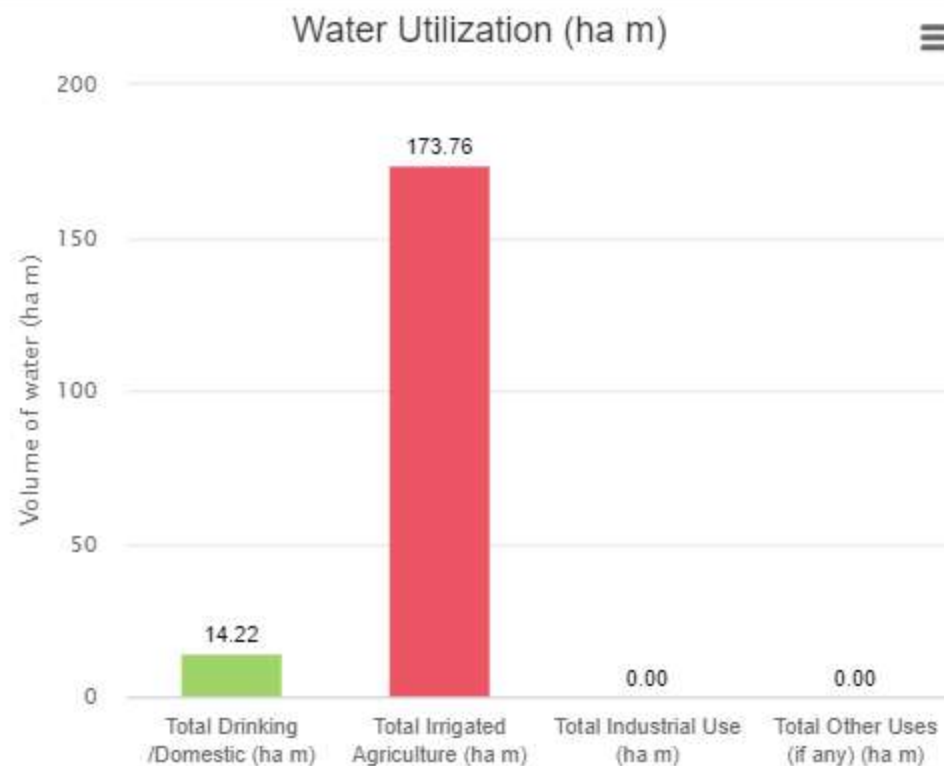
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	684.10
b.	Estimated Volume of Rainfall (ha m)	326.32
c.	Evapotranspiration rate (mm)	390.06
d.	Estimated Evapotranspiration losses (ha m)	186.06
e.	Estimated Water Available From Rainfall (ha m)	140.26
f.	Weighted Average Runoff Coefficient	0.20
g.	Rainfall Runoff(ha m)	28.05
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	15.19
(ii)	Non-Monsoon	5.09
	Total Ground Water Recharge from rainfall (ha m)	20.28
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	2.59
(ii)	Non-Monsoon	5.54
	Total Ground Water Recharge from other sources (ha m)	8.13
c.	Losses Due to Natural Discharge (ha m)	
	Total Ground Water Available (ha m)	25.57
d.	Ground Water Withdrawal (ha m)	
		39.13
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 (%)	
(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)	59.44
4.	TOTAL WATER AVAILABLE	
	Total WATER AVAILABLE (ha m)	85.01



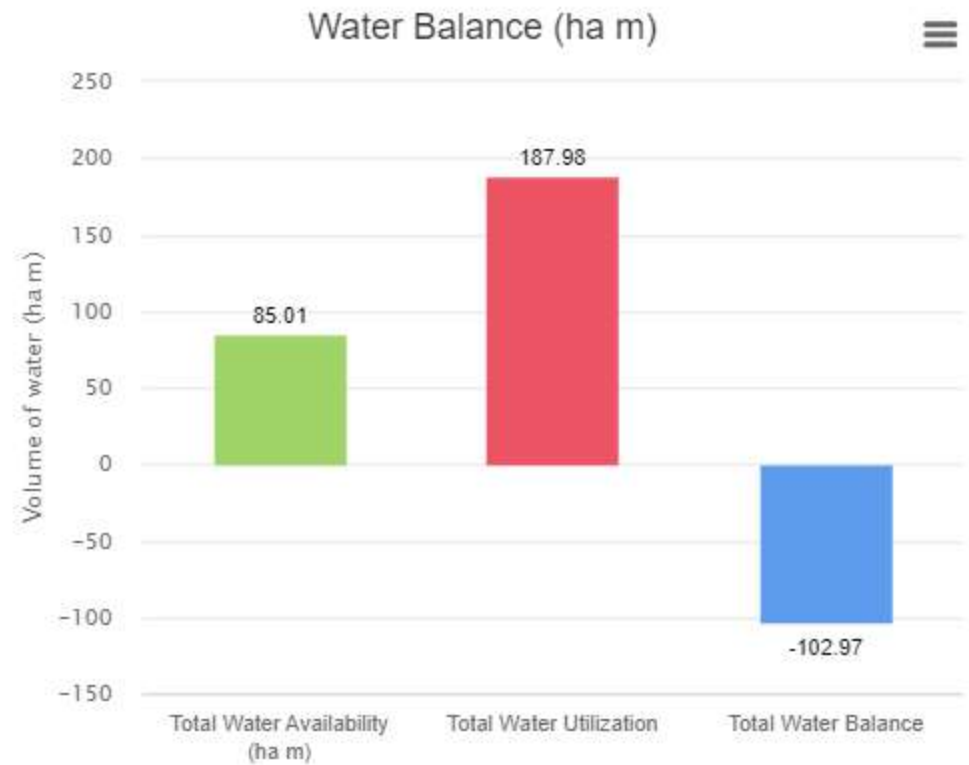
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	5.24
ii)	From Ground Water	8.98
	Total Drinking /Domestic (ha m)	14.22
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	52.13
ii)	From Ground Water	121.63
	Total Irrigated Agriculture (ha m)	173.76
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

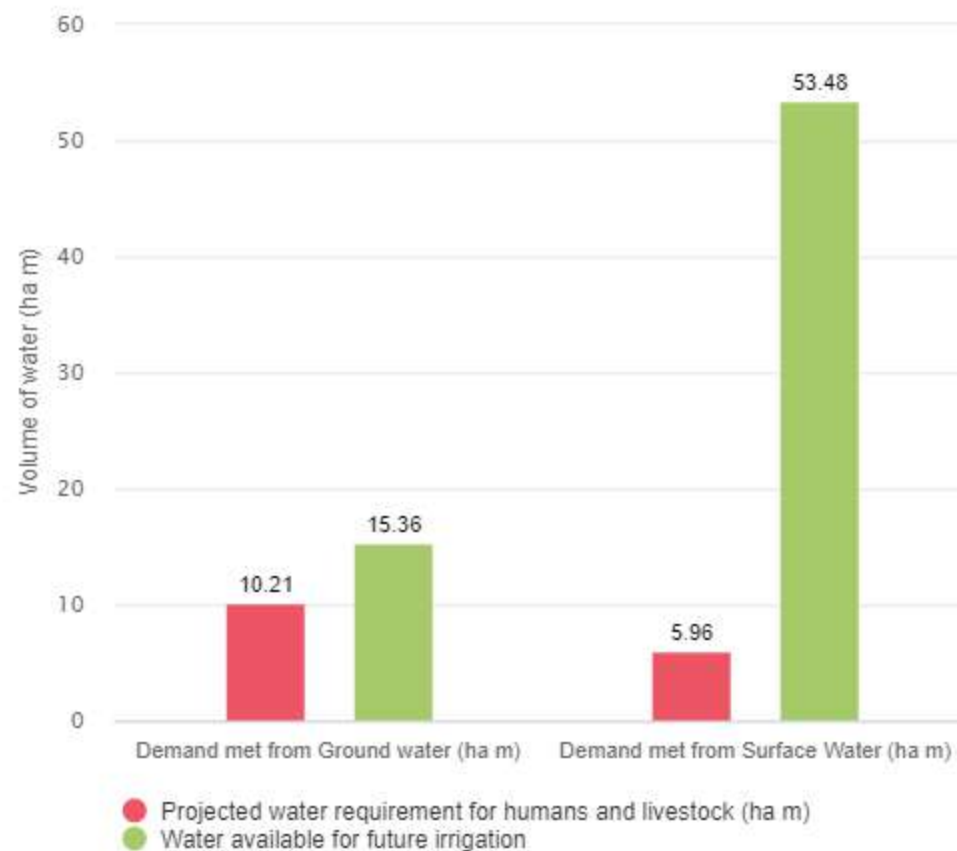
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	25.57
ii)	Total Surface Water Available	59.44
	Total Water Availability (ha m)	85.01
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	57.37
ii)	Total Ground Water Utilization	130.61
	Total Water Utilization	187.98
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	-105.04
ii)	Total Surface Water Balance	2.07
	Total Water Balance	-102.97



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	5092.00
ii) Annual population growth rate (r)	0.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	5385.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	10.81
II Livestock	
i) Present livestock population	2905.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	3892.00
v) Average per capita requirement (L)	37.73
vi) Projected water requirement for livestock (as in 2050) (ha m)	5.36
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)	16.17
i) Proposed share to be met from Ground water (in %)	63.12
ii) Proposed share to be met from Surface water (in %)	36.88
iii) Demand met from Ground water (ha m)	10.21
iv) Demand met from Surface water (ha m)	5.96
C Water available for future irrigation	
i) Ground Water	15.36
ii) Surface water	53.48
iii) Total water available for future irrigation	68.84

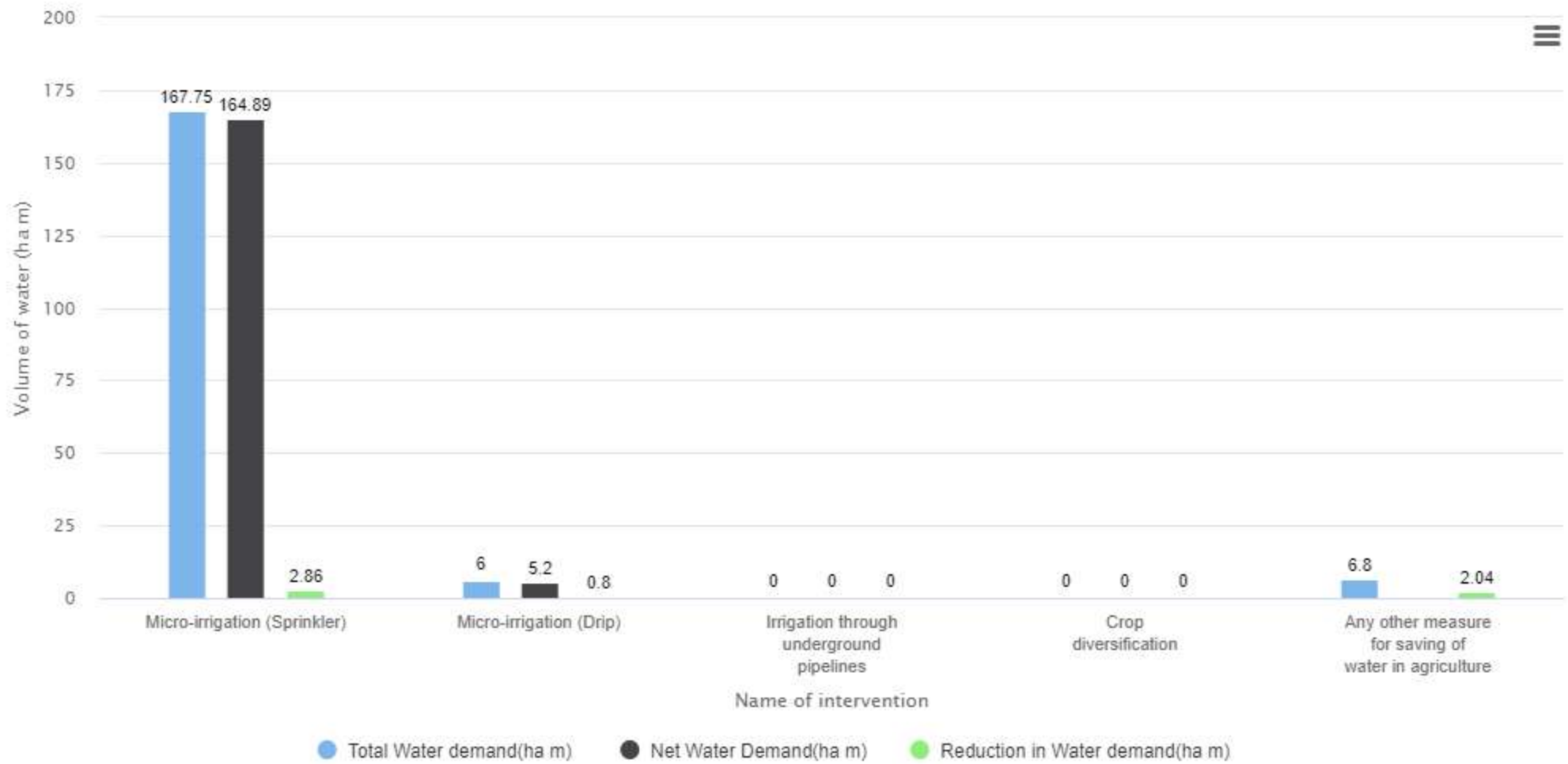
Projected Water Budget for future use (for year 2050)



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	22.00	167.75	164.89	2.86	5.48
2	Drip	2.00	6.00	5.20	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	41.00	180.55	170.09	5.70	8.07

Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Drip	2	2023-24	MICADA	PMKSY	1.95
2	Sprinkler	22	2023-24	MICADA	PMKSY(Per Drop More Crop)	5.478
3	Other Measures	17	2023-24	Agriculture & Farmer Welfare Department	Other	0.6375
	Total	41				8.07

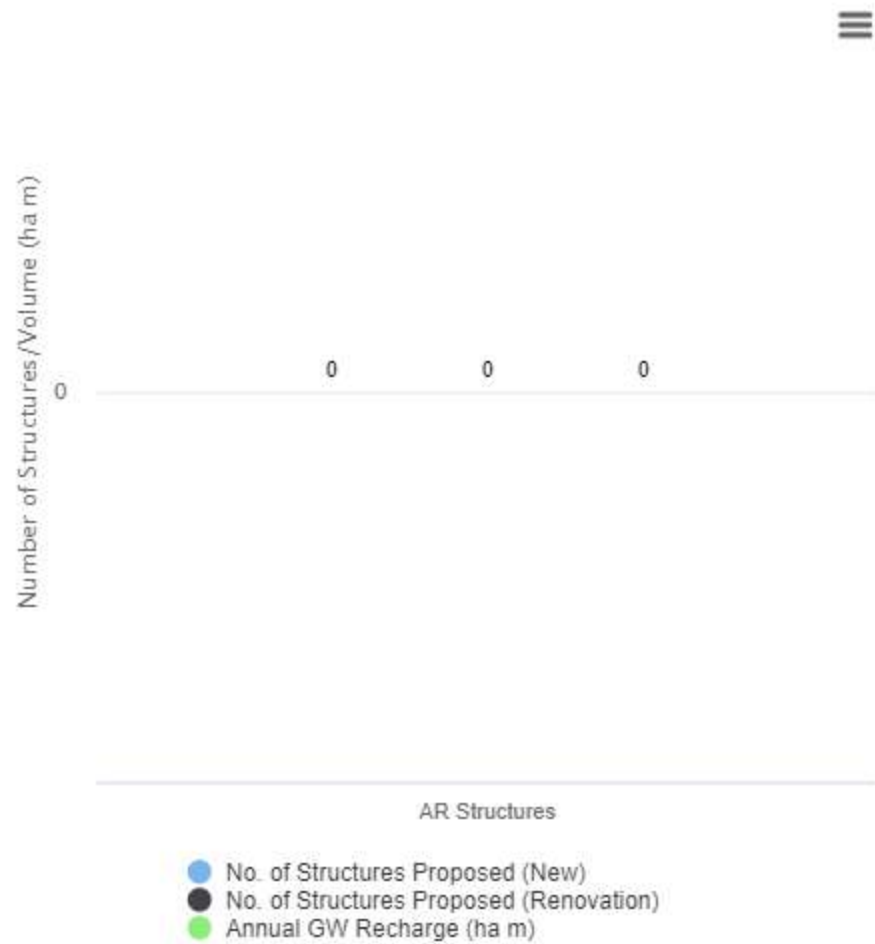


Supply Side

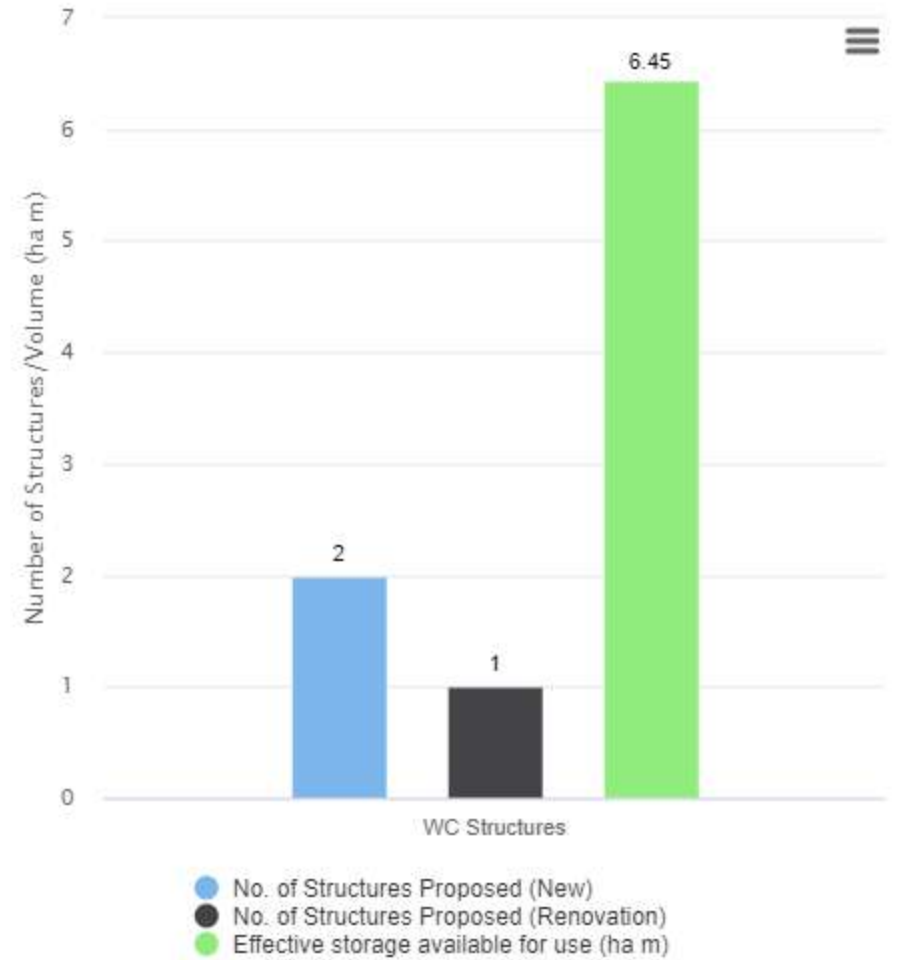
Supply Side (Artificial Recharge Structures)

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	PAWAN	Chairperson	Male	9467568447
2	SANTRA	Member	Female	9416664308
3	BIMLA SAINI	Member	Female	8901536983
4	DINESH KUMAR	Member	Male	8901015795
5	SARITA	Member	Female	9813217610
6	SUNITA	Member	Female	8168506563
7	SUBE SINGH	Member	Male	8839870982
8	NILAM	Member	Male	8901565850
9	SANJAY	Member	Male	8901194250
10	RADHAY SHYAM	Member	Male	7206679761
11	SUNITA	Member	Female	8441903363
12	KAVITA	Member	Female	7082399699
13	REKHA	Member	Female	9053554945
14	RAMESH	Member (JE,Development & panchayat)	Male	9416166126
15	MAHESH	Member (Gram Sachiv)	Male	9416839780
16	ABHISHEK TANWAR	Technical Member (JE,PHED)	Male	9466770711

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	Nangal Chaudhry_525	Thanwas_31698	2023-07-29	Thanwas_31698	Thanwas(238)	Panchyant Bhawan	5	23	0	28

Photograph



 **GPS Map Camera**



Mahendragarh, Haryana, India
R5P2+687, Haryana 123023, India
Lat 27.835292°
Long 76.150736°
29/07/23 12:46 PM GMT +05:30

DPMU DECLARATION

I, Nitin Bhargava (Name), Executive Engineer
(Designation), authorized representative under District Program Management Unit (DPMU)
declare that the WSP of Tharwas Gram Panchayat, Nangal Chaudhary Block/Taluk
Mahendragarh 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: Niti-?
Executive Engineer
M/Gam Canal WSP Division

Date 21/09/2023 Narnaul

Arjun
Iec expert

Pranshu
Gw expert

MOM

दिनांक - 29/7/2023

गाँव - अनवास

जिला - भदोखी

स्थान :- पंचायत भवन ब्लॉक - नांगल चौधरी

राज्य - हरियाणा

आज दिनांक 29/7/2023 को अटल मूजल भीमादीदार
 कार्यविन्यन टीम ने खण्ड नांगल चौधरी के अनवास गाँव
 का दौरा किया। जहाँ पर निर्धारित समय अनुसार पहुँच कर
 सरपंच जी, आशा वर्कर, आगमं वड़ी वर्कर, गाँव कुँध किसानों
 के साथ मिलकर अटल मूजल योजना की जल बका बैठक
 का आयोजन किया गया इस जल बैठक में गाँव की
 जल सुरक्षा योजना (WSP) के बारे में चर्चा की
 गई।

Atal Bhuj Yojana MOM Attendance Sheet, Mahendargrah, Dist-09

Vill - Thon...

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	Block - Nongal Chaudhry Dist. - Mahendargrah Date - 29/7/2023 Page - Signature - Venue -
INDRAJFET	Male	OBC/OBCB	Farmer	N	N		8901471480	Indrajfeta
सुरती	F	OBC	House wife	N	N		9789210230	सुरती
कोशल्या	F	OBC	"	N	N		8295526363	कोशल्या
सुरती	F	OBC	"	N	N		9466864355	सुरती
Sushil	M	OBC	Farmer	N	N		8059134871	सुरती
मीना	F	OBC	House wife	N	N		9416842161	मीना
नीलम	F	OBC	"	N	N		9416842161	नीलम
शीला	F	OBC	"	N	N		9468282562	शीला
सुनीता	F	OBC	"	N	N		9468282562	सुनीता
इमरती	F	OBC	"	N	N		6284788464	इमरती
मीना	F	OBC	"	N	N		8432575375	मीना
निहाली	F	OBC	"	N	N		9466864355	निहाली
खेमचन्द शर्मा	M	OBC	Farmer	N	N		9466864355	खेमचन्द
रश्मी	F	OBC	House wife	N	N		9467669719	रश्मी
नीलम	F	OBC	"	N	N		8901393415	नीलम
ज्योति	F	OBC	"	N	N		9467669719	ज्योति
रीना	F	OBC	"	N	N		7015340446	रीना
नीलम	F	OBC	"	N	N		9467669719	नीलम



Atal Bhu /ojana MOM Attendance Sheet, Mahendargrah_ er-09

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
राधेश्याम	M	OBC	कृषि	Yes	VWSC		720667976	राधेश्याम
सतरा	F	SC	गृहणी	Yes	VWSC		941664308	Satar
दिनेश कुमार	M	OBC	कृषि	Yes	VWSC		8901015795	Dinesh
सरिता	F	OBC	गृहणी	Yes	VWSC		9813217610	Sarita
निलम	F	SC	"	Yes	VWSC		8901565850	Nilam
कविता	F	OBC	"	Yes	VWSC		7082399699	Kavita
सुनिता	F	SC	"	Yes	VWSC		8441903363	Sunita
रेखा	F	OBC	"	Yes	VWSC		9053554995	Rekha
विष्णा	F	SC	"	Yes	VWSC		8901536983	Vishna
सुबे सिंह	M	OBC	"	Yes	VWSC		8839870982	Subesingh

vill - Thonwe
Block - Nargald
Distt - Mahende
Date - 29/7/2022
Venue - 4-4/4/20

RESOLUTIONDate: 29/7/2023

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of शन्वास Gram Panchayat, नौगल रोधीरी Block/Taluk/Mandal, मिहना District, हरियाणा 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 29/7/2023

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	पवन कुमार सरपंच	 सरपंच ग्राम पंचायत शन्वास (समस्त नौगल रोधीरी)
2	Gram Panchayat Secretary	महिषा कुमारी (9416839780)	

दिनांक :- 29/1/2023 मोच :- बलवासा
स्थान :- पंचामलवासा खण्ड :- नौगल-चीघरी

जिला :- मेरठ
राज्य :- हरियाणा

आज दिनांक 29/1/2023 को उत्तर भूपल योजना की जिला-कार्यान्वय सहायगी टीम (JSP) के जनसंपर्क विशेषज्ञों (JRC) ने नौगल-चीघरी के ब्लॉक के अमवास गांव में प्रभाव (Responsible) के लिए जन बैठक का आयोजन किया गया। इस जन बैठक में गांव के कुछ वरिष्ठ किसान, महिलाओं, विभिन्न समुदाय के पुरुष, जन स्वच्छता समिति (JWSC) के सदस्यों ने अपनी सहभागिता दिखाई। जन बैठक में शुल्कात में- पिछली जन बैठकों के बारे में बात करते हुए भूपल स्तर (ground water level) को बढ़ाने हेतु सुझाव मांगे जाने से निर्गम। उन सुझावों को गांव की जन सुरक्षा योजना (JSP) में डाला गया है वे निम्नलिखित प्रकार से हैं।

- ① गांव के दो प्रमुख जोड़ों की सफा-सफाई एवं उनका जीर्णोद्धार करवाना।
- ② गांव के दुरी जोड़ों को नहर से निकट करवाकर उनमें निचमिति निक्षिप्त पानी की सफाई सुनिश्चित करना।
- ③ गांव में नहरों से निकट जोड़ों में बड़े रिचार्ज बोर बनवाये जायें और उपयुक्त रिचार्ज बोरों की गहराई गांव के चट्टे (underground water level) तक करवाई जायें।

Atal Bhuj Yojana MOM Attendance Sheet, Mahendargrah, Dist-09

Vill - Thon...

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	Block - Nongal Chaudhry Dist. - Mahendargadh Date - 29/7/2023 Page - Signature - Venue -
INDRAJEEET	Male	OBC/OBCB	Farmer	N	N		8901471480	Indrajeeet
सुरती	F	OBC	House wife	N	N		9789210230	सुरती
मीरलया	F	OBC	"	N	N		8295526363	मीरलया
सुरती	F	OBC	"	N	N		9466864355	सुरती
Sushil	M	OBC	Farmer	N	N		8059134871	सुरती
मीना	F	OBC	House wife	N	N		9416842161	मीना
नीलम	F	OBC	"	N	N		9416842161	नीलम
शीला	F	OBC	"	N	N		9468282562	शीला
सुनीता	F	OBC	"	N	N		9468282562	सुनीता
इमरती	F	OBC	"	N	N		6284788464	इमरती
मीना	F	OBC	"	N	N		8432575375	मीना
मिहारी	F	OBC	"	N	N		9466864355	मिहारी
खेमचन्द मी	M	OBC	Farmer	N	N		9466864355	खेमचन्द
रेश्मा	F	OBC	House wife	N	N		9467669719	रेश्मा
नीलम	F	OBC	"	N	N		8901393415	नीलम
ज्योति	F	OBC	"	N	N		9467669719	ज्योति
रीना	F	OBC	"	N	N		7015340446	रीना
नीलम	F	OBC	"	N	N		9467669719	नीलम

Atal Bhu /ojana MOM Attendance Sheet, Mahendargrah, er-09

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
राधेश्याम	M	OBC	कृषि	Yes	VWSC		720667976	राधेश्याम
सतरा	F	SC	गृहणी	Yes	VWSC		941664308	Satar
दिनेश कुमार	M	OBC	कृषि	Yes	VWSC		8901015795	Dinesh
सरिता	F	OBC	गृहणी	Yes	VWSC		9813217610	Sarita
निलम	F	SC	"	Yes	VWSC		8901565850	Nilam
कविता	F	OBC	"	Yes	VWSC		7082399699	Kavita
सुनिता	F	SC	"	Yes	VWSC		8441903363	Sunita
रेखा	F	OBC	"	Yes	VWSC		9053554995	Rekha
विष्णा	F	SC	"	Yes	VWSC		8901536983	Vishna
सुबे सिंह	M	OBC	"	Yes	VWSC		8839870982	Subesingh

vill - Thonwe
Block - Nargald
Distt - Mahende
Date - 29/7/2022
Venue - 4-4/4/20