

Water Security Plan Report

Date : 29-09-2023 Time : 3:12 PM User Name : xen.ataljal@gmail.com

STATE: HARYANA_6 »

DISTRICT: MAHENDRAGARH_69 »

BLOCK: NARNAUL_526 »

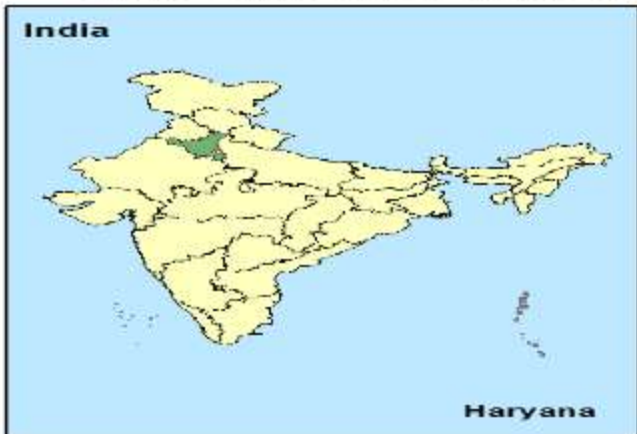
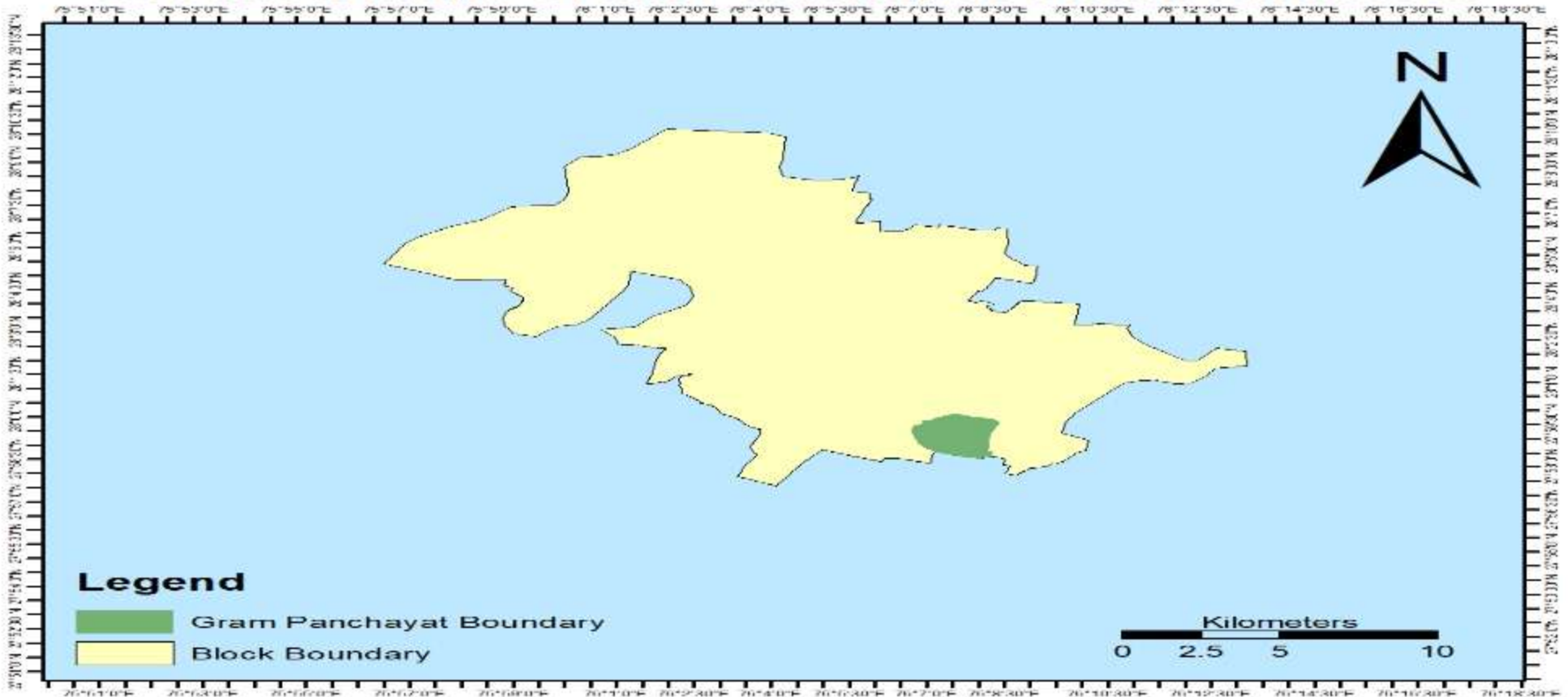
GRAM PANCHAYAT: DHANI BHATOTHA_245967 »

YEAR: 2023-24 »

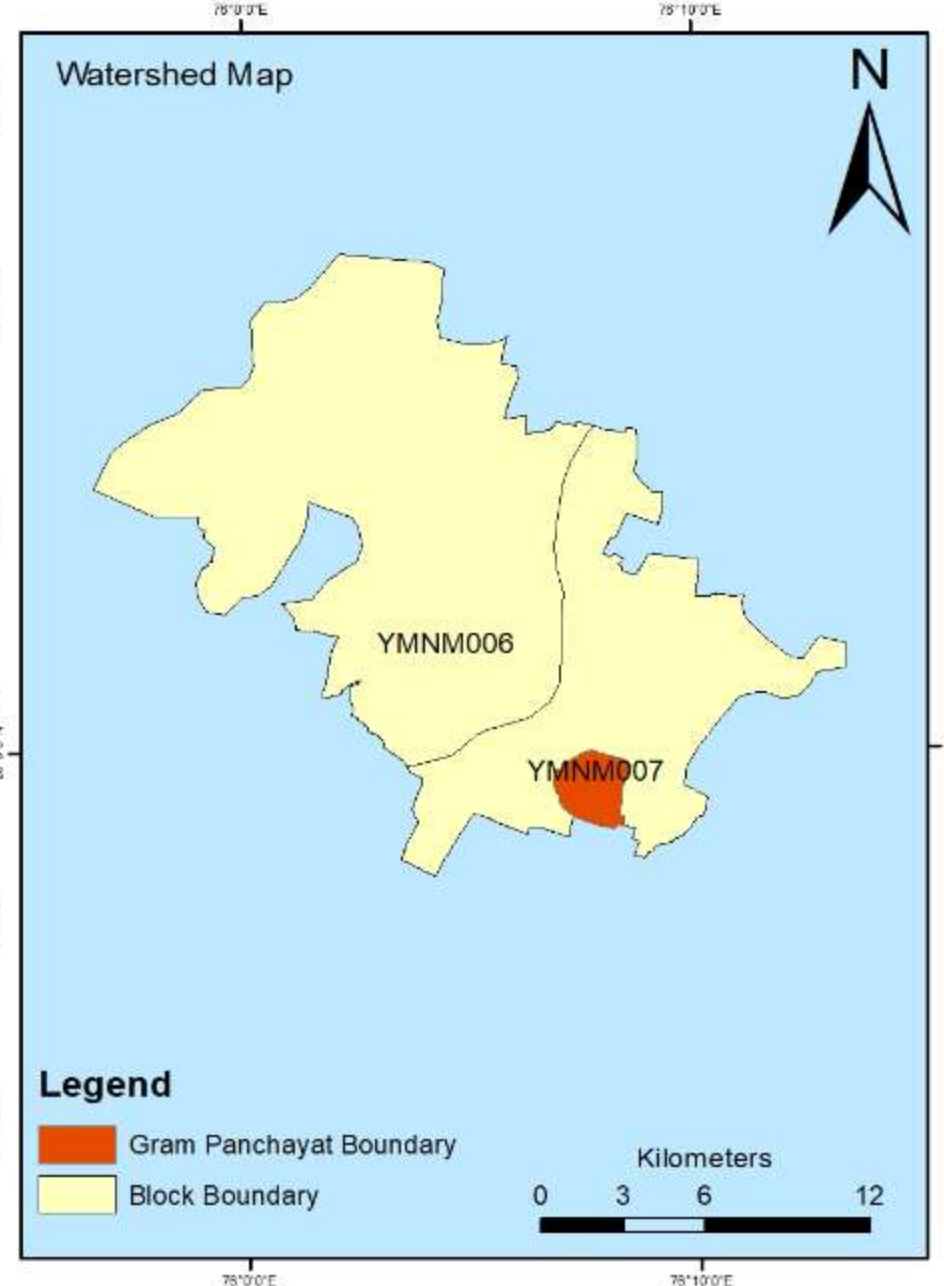
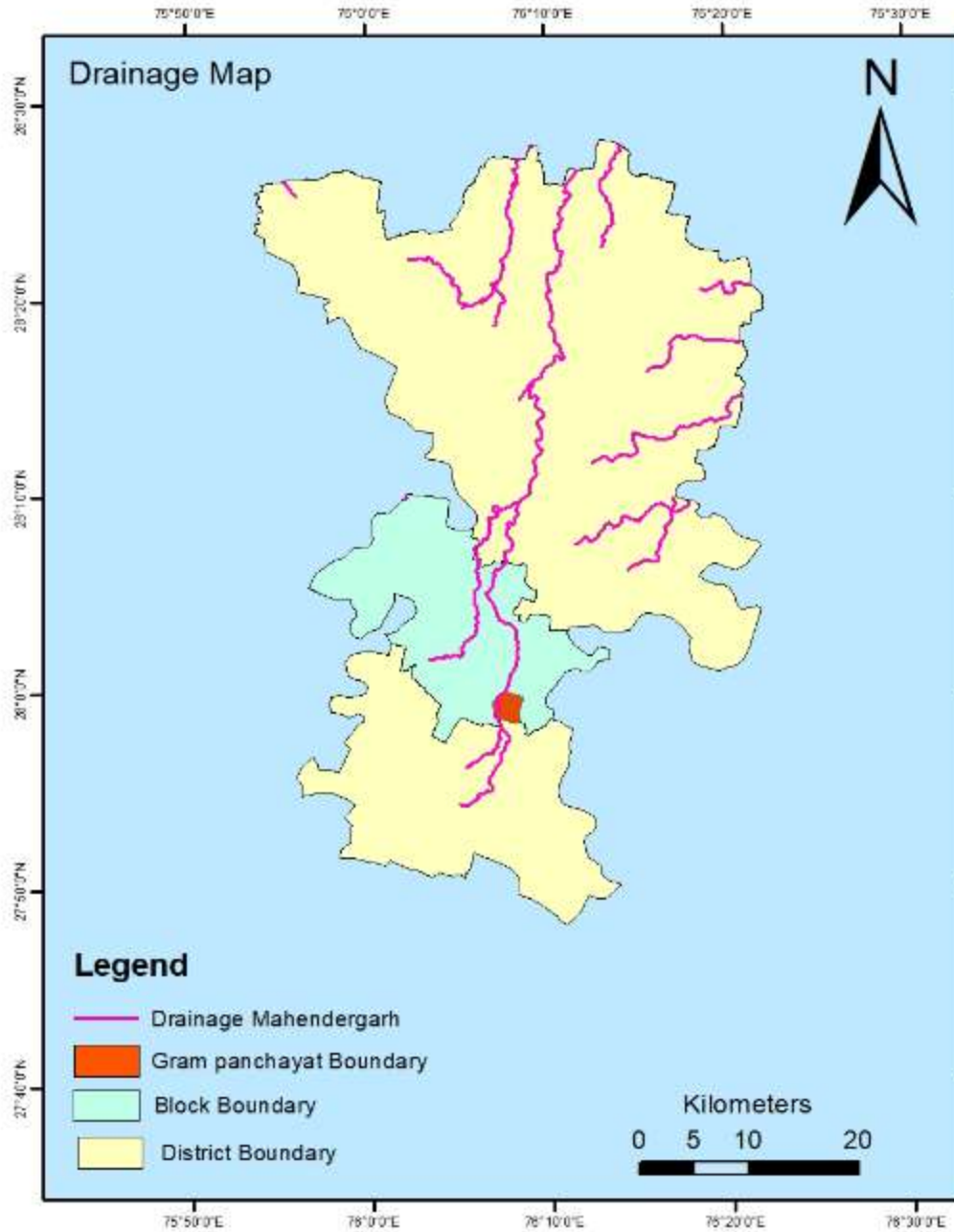
Gram Panchayat Information

State:	Haryana_6	District:	Mahendragarh_69
Block / Taluk :	Narnaul_526	GP Name :	Dhani Bhatotha_245967
GP ID :	245967	Block Area (Ha) :	21641.00
GP area (Ha) :	493.00	Watershed Code :	YMNM007
Watershed name :	Yamuna middle	Watershed area in Block / Taluk (Ha) :	9827.23
Sub-basin Code :	yMNM	Sub basin name :	Yamuna Middle (Confluence with Chambal to Hindon)
Basin Code :	2	Basin Name :	Yamuna

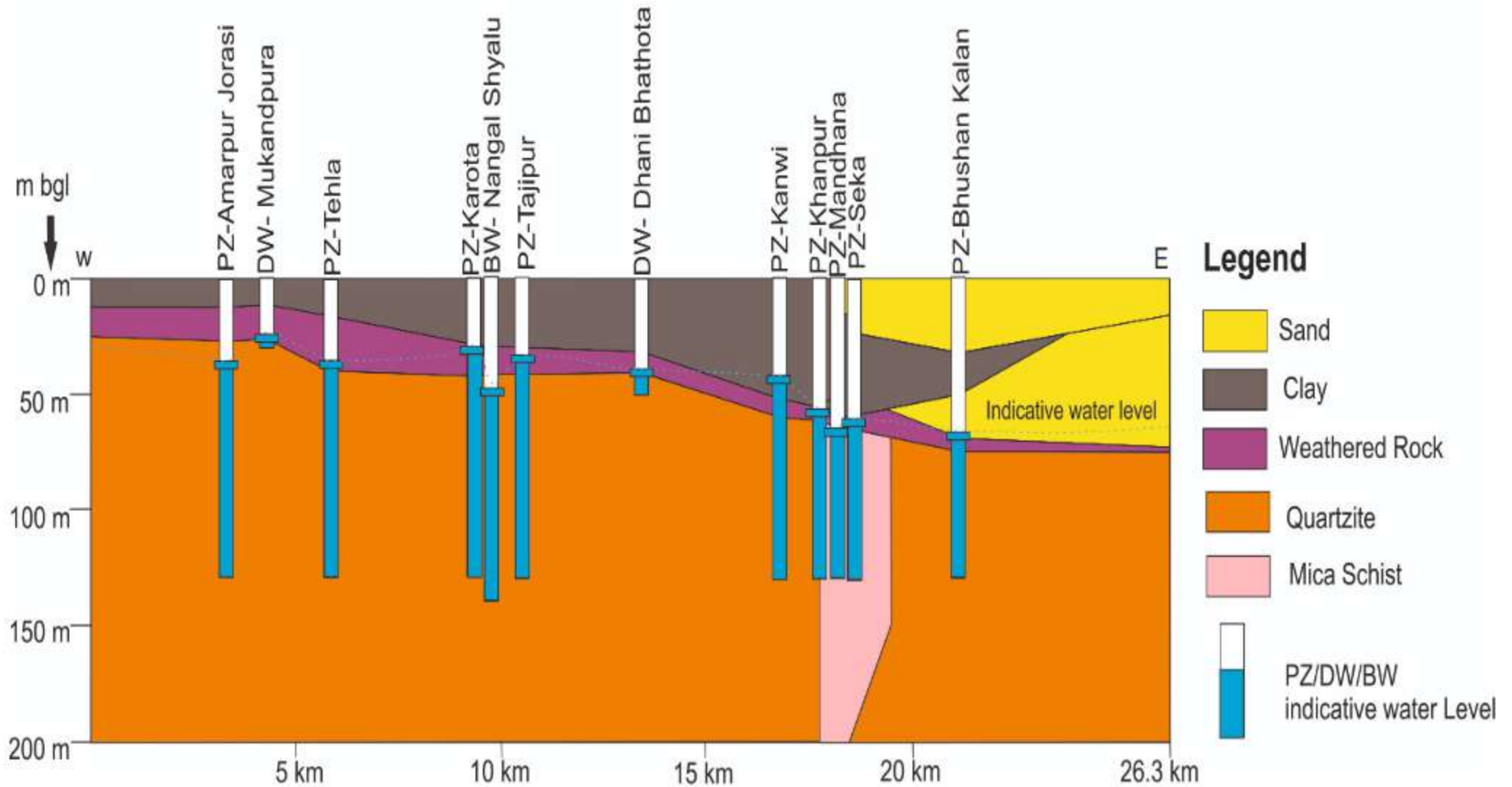
Location Map: Gram Panchayat Dhani Bathota



Gram Panchayat dhani Bhathota, Block Narnaul, District Mahendergarh



Conceptual Aquifer map: Village Dhani Bhathota, Block Narnaul District Mahendergarh



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	Dhani bathota	Sumershing farm	27.99621	76.12796	20:04.8	245967-001	Dug Well	null	Private	null	1.8	50	0.2	41.2	22-05-23
	Dhani bathota	Sumershing farm	27.99621	76.12796	20:04.8	245967-001	Dug Well	null	Private	null	1.8	50	0.2	41.3	27-06-23
	Dhani bathota	Sumershing farm	27.99621	76.12796	20:04.8	245967-001	Dug Well	null	Private	null	1.8	50	0.2	41.18	24-07-23
	Dhani bathota	Sumershing farm	27.99621	76.12796	20:04.8	245967-001	Dug Well	null	Private	null	1.8	50	0.2	40.9	24-08-23
	Dhani bathota	Sumershing farm	27.99621	76.12796	20:04.8	245967-001	Dug Well	null	Private	null	1.8	50	0.2	40.42	22-09-23

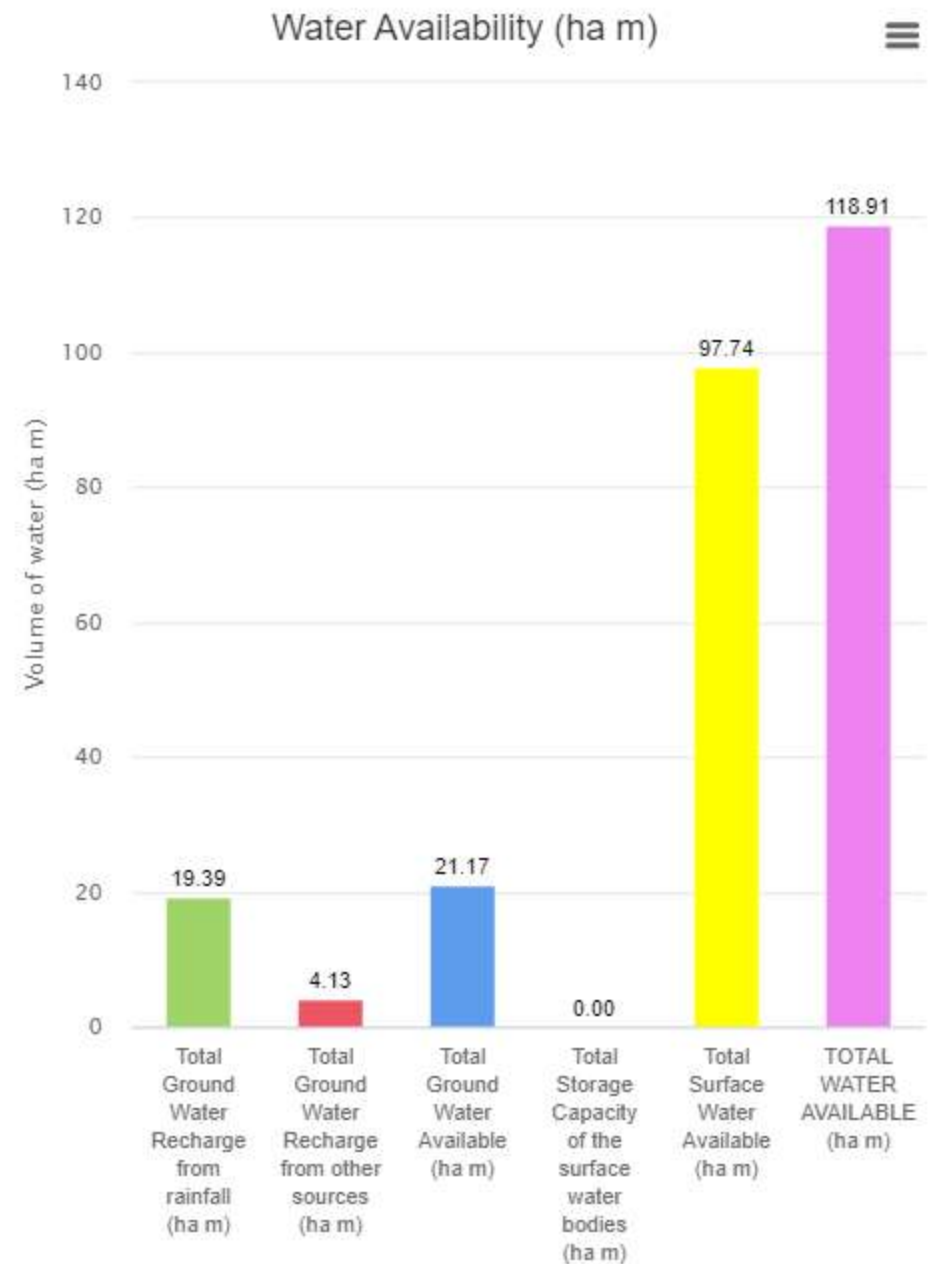
Ground Water Quality

S.No.	Village Name	Location	Latitude	Longitude	Year	Well Type	Source	Well ID
1	DHANI BHATHOTA	NEERAJ	27.986088	76.133095	2022	Tube Well	I&WRD	TW_HRY_M.GARH_NARNAUL_DHANIBHATHOTA_001
2	DHANI BHATHOTA	SHEO CHAND	27.981789	76.137505	2022	Tube Well	I&WRD	TW_HRY_M.GARH_NARNAUL_DHANIBHATHOTA_002

S.No.	Well ID	Well Depth (mbgl)	Aquifer	PH	EC (μ 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)
1	TW_HRY_M.GARH_NARNAUL_DHANIBHATHOTA_001	209.449997	UNCONFINED	8.3	1319	804	212	35.6	29.8	135	0.7	26	247	174	111
2	TW_HRY_M.GARH_NARNAUL_DHANIBHATHOTA_002	202.130005	UNCONFINED	7.7	2683	1610	384	74.6	48	172	0.5	0	372	224	503

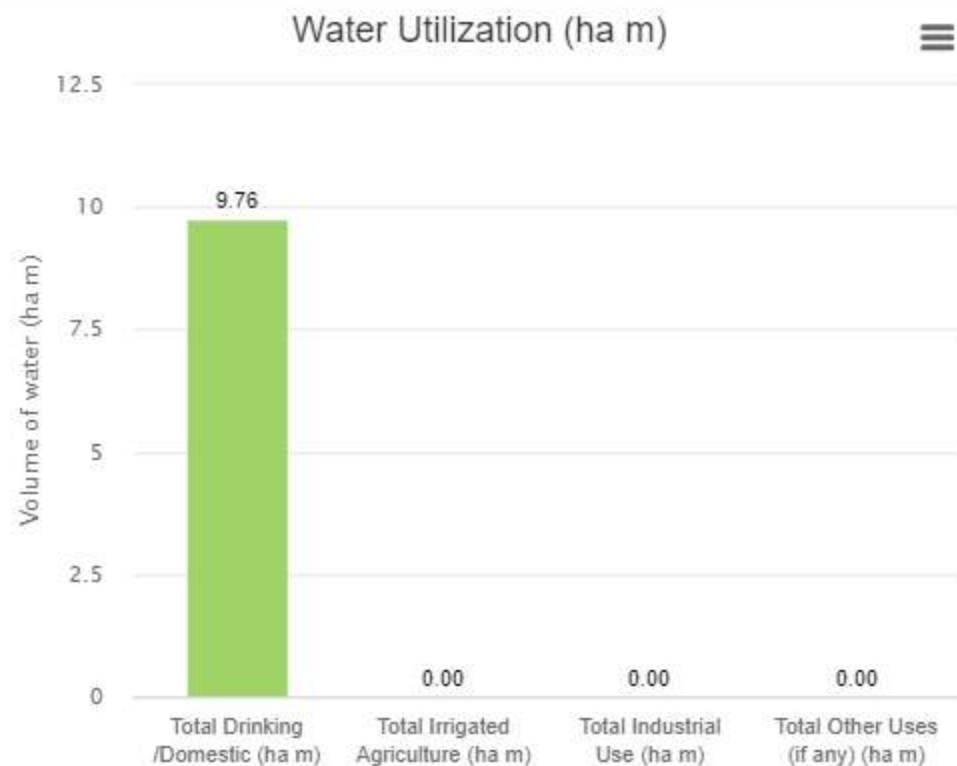
Water Availability Report

Water Availability		
1.	Total Available Water From Rainfall	
a.	Annual Rainfall (mm)	684.10
b.	Estimated Volume of Rainfall (ha m)	337.26
c.	Evapotranspiration rate (mm)	390.06
d.	Estimated Evapotranspiration losses (ha m)	192.30
e.	Estimated Water Available From Rainfall (ha m)	144.96
f.	Weighted Average Runoff Coefficient	0.30
g.	Rainfall Runoff(ha m)	43.49
2.	Ground Water	
a.	Recharge From Rainfall (ha m)	
(i)	Monsoon	14.54
(ii)	Non-Monsoon	4.85
	Total Ground Water Recharge from rainfall (ha m)	19.39
b.	Ground Water Recharge from other sources (ha m)	
(i)	Monsoon	1.60
(ii)	Non-Monsoon	2.53
	Total Ground Water Recharge from other sources (ha m)	4.13
c.	Losses Due to Natural Discharge (ha m)	2.35
	Total Ground Water Available (ha m)	21.17
d.	Ground Water Withdrawal (ha m)	23.70
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 (%)	50.00
(iii)	Surface Water Available in Storages (ha m)	0.00
b.	Transported Water from outside GP area (ha m)	97.74
	Total Surface Water Available (ha m)	97.74
4.	TOTAL WATER AVAILABLE	
	TOTAL WATER AVAILABLE (ha m)	118.91



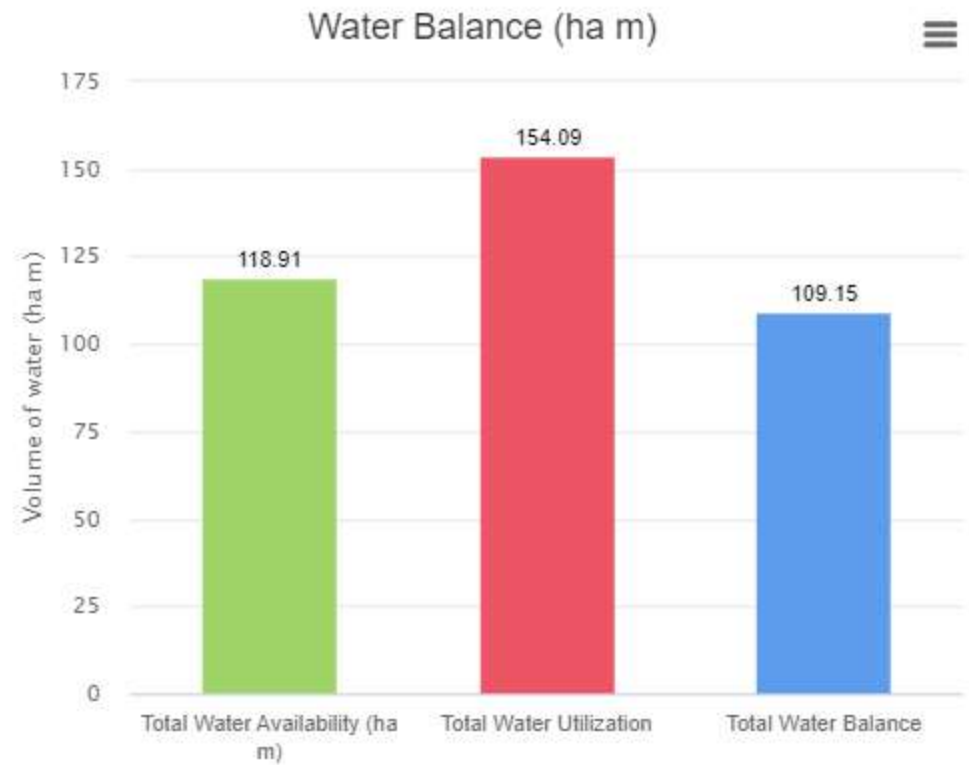
Water Utilization Report

Water Utilization		
A	Drinking /Domestic (ha m)	
i)	From Surface Water	3.40
ii)	From Ground Water	6.36
	Total Drinking /Domestic (ha m)	9.76
B	Irrigated Agriculture (ha m)	
i)	From Surface Water	86.60
ii)	From Ground Water	57.73
	Total Irrigated Agriculture (ha m)	144.33
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

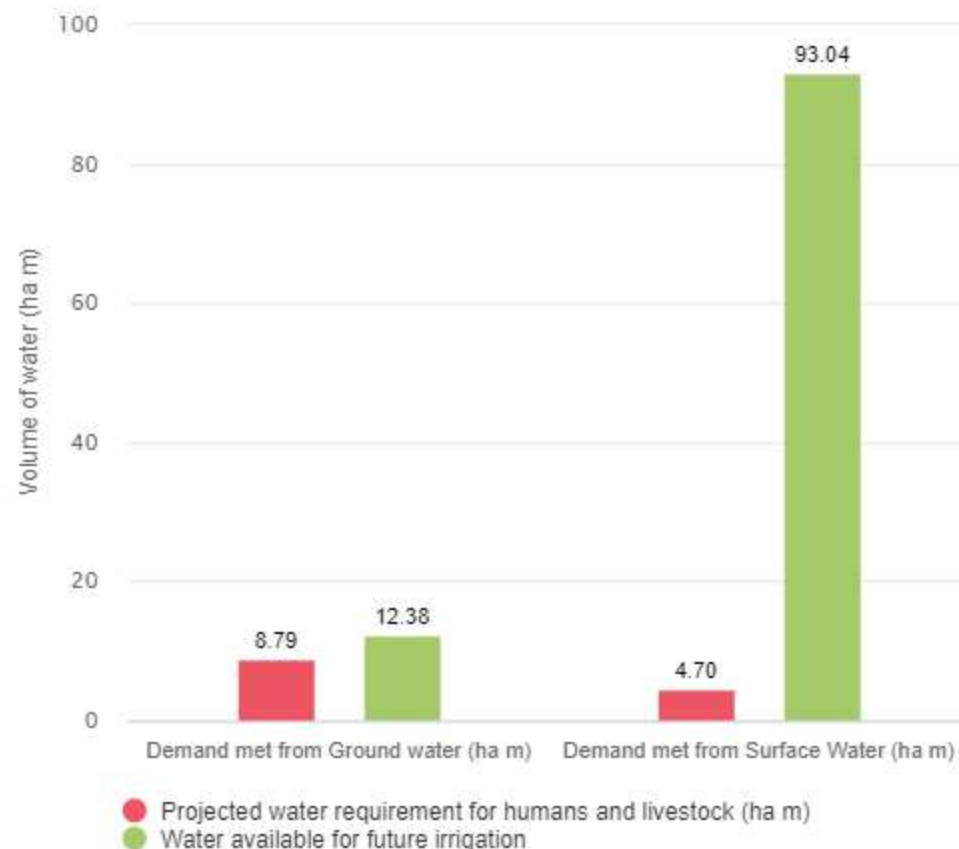
Water Balance		
A	Water Availability (ha m)	
i)	Total Ground Water Available	21.17
ii)	Total Surface Water Available	97.74
	Total Water Availability (ha m)	118.91
B	Water Utilization (ha m)	
i)	Total Surface Water Utilization	90
ii)	Total Ground Water Utilization	64.09
	Total Water Utilization	154.09
C	Balance [Surplus (+) / Deficit (-)]	
i)	Total Ground Water Balance	14.81
ii)	Total Surface Water Balance	94.34
	Total Water Balance	109.15



Water Budget Report

A Allocation for Drinking & Domestic Requirements	
I Humans	
i) Present Human Population	3661.00
ii) Annual population growth rate (r)	1.20
iii) No. of years	28.00
iv) Projected human population (as in 2050)	5113.00
v) Per capita requirement (L)	55.00
vi) Projected water requirement for humans (as in 2050) (ha m)	10.26
II Livestock	
i) Present livestock population	665.00
ii) Annual population growth rate (r)	1.05
iii) No. of years	28.00
iv) Projected livestock population (as in 2050)	891.00
v) Average per capita requirement (L)	99.19
vi) Projected water requirement for livestock (as in 2050) (ha m)	3.23
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)	13.49
i) Proposed share to be met from Ground water (in %)	65.19
ii) Proposed share to be met from Surface water (in %)	34.81
iii) Demand met from Ground water (ha m)	8.79
iv) Demand met from Surface water (ha m)	4.70
C Water available for future irrigation	
i) Ground Water	12.38
ii) Surface water	93.04
iii) Total water available for future irrigation	105.42

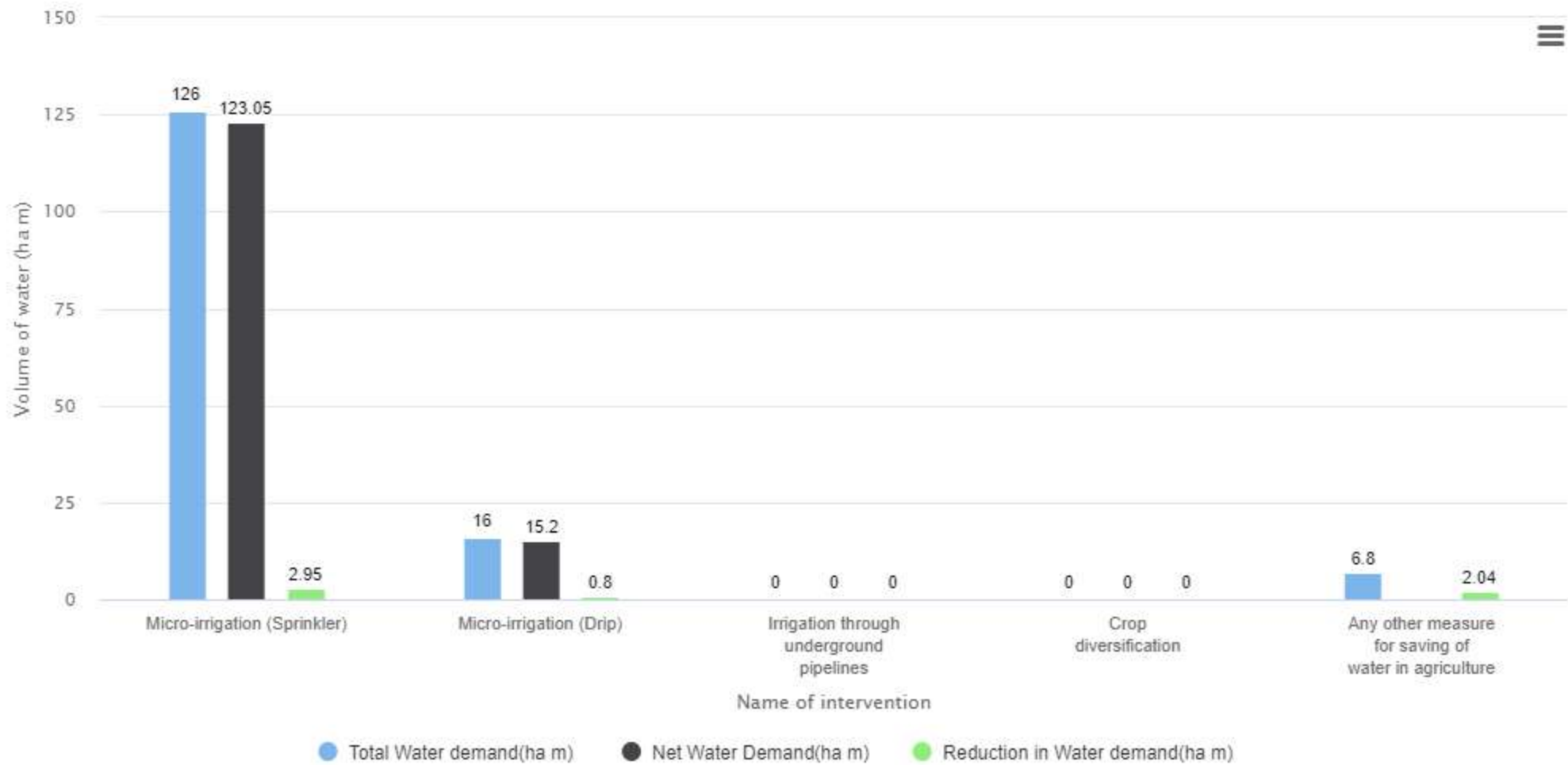
Projected Water Budget for future use (for year 2050)



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	126.00	123.05	2.95	5.48
2	Drip	2.00	16.00	15.20	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	148.80	138.25	5.79	8.07

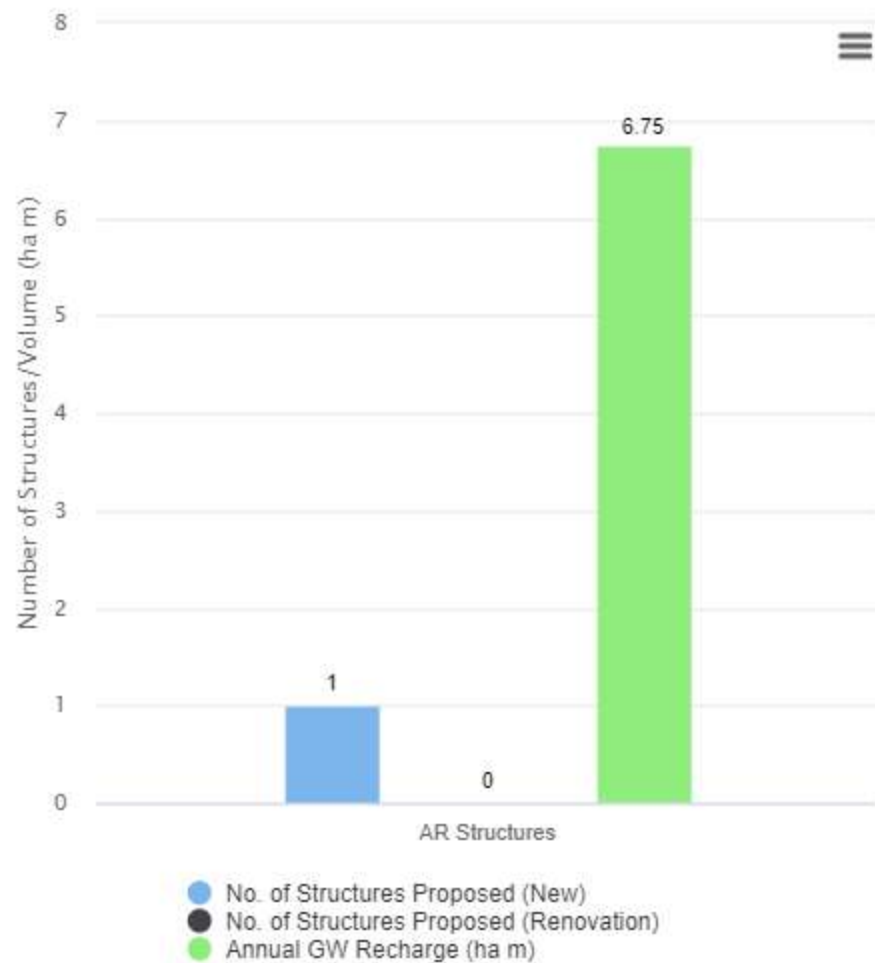
Funding Source						
Sr No	Name of Intervention	Area Proposed (ha)	Financial Year	Department Name	Scheme Name	Approximate Cost(in Lakh)
1	Sprinkler	22	2023-24	MICADA	PMKSY	5.478
2	Other Measures	17	2023-24	Agriculture & Farmer Welfare Department	Other	0.6375
3	Drip	2	2023-24	MICADA	PMKSY	1.95
	Total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



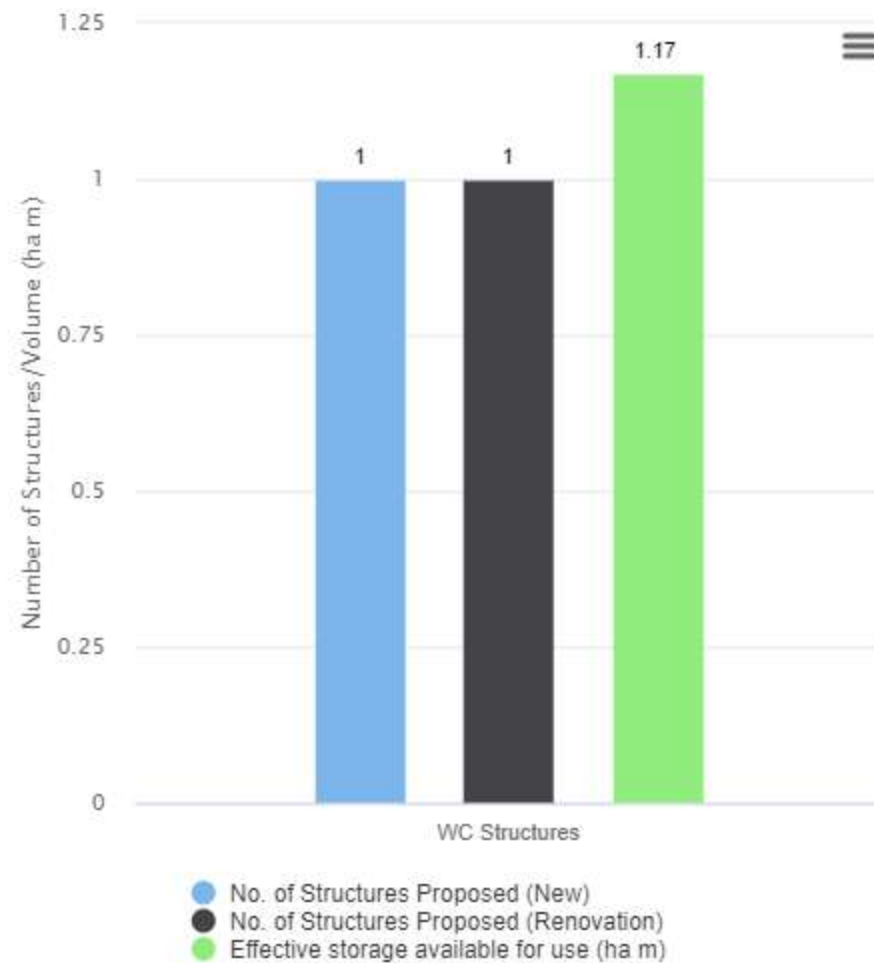
Supply Side (Water Conservation Structures)

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	Dhani Bhatotha (28)	28.992518	76.128755	2023-24	Rural Development Department	DPDC (District Planning and Development Council)	4.5
2	Pond/Amrit Sarovar(Renovation)	1.8	1.0800	Dhani Bhatotha (28)	28.992520	76.128770	2023-24	Rural Department and Panchayati Raj	MGNREGA	18
	Total	3.30	1.17							22.50

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	NARESH KUMAR	Chairperson	Male	9416416038
2	SAPNA BAI	Member	Female	9991262668
3	MANJU DEVI	Member	Female	9729521253
4	OM PAL	Member	Male	9896643404
5	SANJAY	Member	Male	9992225547
6	SUMAN	Member	Female	9896449075
7	MANJU BALA	Member	Female	9992393165
8	RENU	Member	Female	9817342796
9	DEVENDER SINGH	Member	Male	9518263124
10	BALAWANT SINGH	Member	Male	9466817013
11	PUSHPA DEVI	Member	Female	9817342780
12	RAJNI	Member	Female	9817342782
13	SARLA YADAV	Member	Female	9518177919
14	SANDEEP KUMAR	Member (JE,Development & panchayat)	Male	9992366078
15	PAWAN KUMAR	Member	Male	9416157207
16	JAVED KHAN	Technical Member (JE,PHED)	Male	9050572007

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	Narnaul_526	Dhani Bhatotha_245967	2023-07-25	Dhani Bhatotha_245967	Dhani Bhatotha (28)	Sarpanch house	15	21	0	36

Photograph



GPS Map Camera



Dhani Bathotha, Haryana, India

X4QH+MW9, Dhani Bathotha, Haryana 123001, India

Lat 27.989033°

Long 76.130045°

25/07/23 06:06 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 Dhani Bhatta Gram Panchayat, Narnaul Block/Taluk
Manindergarh 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 21/04/2023

Niti-3
Executive Engineer
M/Garh Canal WIS Division
Narnaul

Itan
Jec expert

Demig
C/w expert

दिनांक :- 25/7/2023

गाँव :- ठाणी बठौरा

जिला - मेहेन्द्रगढ़

स्थान :- सरपंच निवास

ब्लॉक :- नारनौल

राज्य - हरियाणा

M.O.M.

आज दिनांक 25/7/2023 को अटल भूजल योजना के अंतर्गत जिला कार्यन्वयन ~~समिति~~ प्रागिर टीम (P.G.P) के एक्सपर्ट्स द्वारा गाँव में जल सुरक्षा के बारे में बैठक का आयोजन किया गया। जल बैठक के दौरान ग्रामीण ; किसान और सहभागी भूजल प्रबंधन समिती के सदस्यों के साथ जल सुरक्षा योजना अपडेशन के बारे में चर्चा की गई।

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	Date: - 25/07/23 Venu: - सरपंच निवास Phone no Signature	
1	सगीता	f	OBC	गृहणी	No	No	0	9306135572	सगीता
2	सविता	f	OBC	गृहणी	No	No	0	9355827792	सविता
3	लक्ष्मी	f	OBC	गृहणी	No	No	0	8295041465	लक्ष्मी
4	मंजुषा	f	OBC	गृहणी	No	No	0	9896130796	मंजुषा
5	अनिता	f	OBC	गृहणी	No	No	0	9206337085	अनिता
6	वक्ली	f	OBC	गृहणी	No	No	0	9896133190	वक्ली
7	रामकला	f	OBC	गृहणी	No	No	0	9306535572	रामकला
8	दीपा	f	OBC	गृहणी	No	No	0	7266331085	दीपा
9	रामकला	f	OBC	गृहणी	No	No	0	7266331085	रामकला
10	संजना	f	OBC	गृहणी	No	No	0	8295041465	संजना
11	सुमित्रा	f	OBC	गृहणी	No	No	0	7266331085	सुमित्रा
12	यादव सिंह	M	OBC	किसान	No	No	2.5 (45)	9416907179	Yadav Singh
13	अजय सिंह	M	OBC	किसान	No	No	1 (25)	9992462573	अजय
14	रविंद्र	M	OBC	किसान	No	No	0	9729343063	रविंद्र
15	बलवंत सिंह	M	OBC	किसान	No	No	2.5 (35)	9466317013	Balwnt
16	नरेश कुमार	M	OBC	सरपंच	Yes	पर्यायती राज	0	9416418038	Narayan
17	विद्या देवी	F	OBC	गृहणी	No	No	0	9813462948	विद्या देवी
18	माता देवी	F	OBC	गृहणी	No	No	0	9812783128	माता देवी

Atal Bhuojana WOM Attendance Sheet, Mahendragraha, 09-09-2019

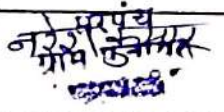
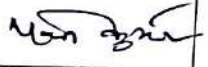
Sr no	Name	Gender •Female •Male •Other	Category •General •OBC •ST •SC	Occupation	Are you a member of any committee? (Yes/No)	If yes, name of the committee	Land holding Status •Landless •<2.5 acre •2.5-5 acre •>5 acre	Phone no	Signature
1	रेवती	F	OBC	गृहणी	NO	NO	0	930 60 55 912	रेवती देवी
2	सुमन	F	OBC	गृहणी	NO	NO	0	9896 449075	सुमन
3	कुल्देव	M	OBC	दाता	NO	NO	0	8295041465	Kuldeep
4	काबलाल	M	OBC	किसान	NO	NO	2 पन्स	9996 449210	काबलाल
5	पवन कुमार	M	OBC	किसान	NO	NO	2 पन्स	9416910252	पवन कुमार
6	पुवेंश यादव	M	OBC	किसान	NO	NO	0	9729784622	पुवेंश
7	शिवशंकर	M	OBC	किसान	NO	NO	0	999 650 3735	शिवशंकर
8	शर्मिला	F	OBC	दाता	NO	NO	0	966 60 59 407	शर्मिला
9	सुमिता	F	OBC	दाता	NO	NO	0	94 66 05 9407	सुमिता
10	मंजीत	M	OBC	दाता	NO	NO	0	8168246202	मंजीत
11	रमेश	M	OBC	दाता	NO	NO	0	79 889 68712	रमेश
12	सपना	F	OBC	गृहणी	YES	VWSC		9991262668	सपना
13	मंजू देवी	F	SC	गृहणी	YES	VWSC		9729521253	मंजू देवी
14	ओमपाल	M	OBC	किसान	YES	VWSC		989664404	ओमपाल
15	संजय	M	OBC	किसान	YES	VWSC		9992225547	संजय
16	सुमन	F	SC	गृहणी	YES	VWSC		9896449075	सुमन
17	मंजू देवी	F	SC	गृहणी	YES	VWSC		9729521253	मंजू देवी
18	देवेंद्र सिंह	M	OBC	किसान	YES	VWSC		9518263124	देवेंद्र सिंह

ANNEXURE III

RESOLUTION

Date: 25/07/13

It is hereby resolved that the Water Budget/ Water Security Plan (WSP) of टाणी बठौरा Gram Panchayat, नरनोल Block/Taluk/Mandal, महेंद्रगढ़ 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 25/07/2013

S. NO.	DESIGNATION	NAME	SIGNATURES
1	Gram Panchayat Adhyaksha (Sarpanch)/President of VWSC/ Presiding officer of the meeting	नरेश कुमार सरपंच	
2	Gram Panchayat Secretary	पवन कुमार (9416157207)	

प्रस्ताव (RESOLUTION)

दिनांक :- 25/7/2023

गाँव :- ठाणी वडोडा

जिला :- महेंद्रगढ़

स्थान :- सरपंच निवास

ब्लॉक/खण्ड :- नारनौल

राज्य :- हरियाणा

आज दिनांक 25/07/2023 को अल्प भूजल योजना की जिला कार्यान्वयन सहभागी टीम (PIP) के जनसंपर्क विशेषियों (IEC) ने नारनौल (Narnaul) ब्लॉक के ठाणी वडोडा गाँव में प्रस्ताव (Resolution) के लिए पल बैठक का आयोजन किया गया। इस पल बैठक में गाँव के कुछ वरिष्ठ किसान, महिलाएँ एवं ग्राम पल स्वच्छता समिति (VWSC) के सदस्यों ने अपनी सहभागिता दिखाई। पल बैठक के प्रारम्भ में पिछली पल बैठकों का जिक्र करते हुए भूजल स्तर (Water Level) बढ़ाने हेतु जो सुझाव गाँव वालों ने बताये, उनका गाँव की पल सुरक्षा योजना (WSP) में उल्लेख किया है वे निम्नलिखित प्रकार में हैं :-

- (1) गाँव के नहरों द्वारा जोड़े गये जोहड़ों (Ponds) में बड़े रिचार्ज बोरे (Recharge Bore) बनवाये जायें। जिन रिचार्ज बोरे की गहराई उस गाँव के चले (Underground water level) तक करवाई जायें।
- (2) गाँव के सूखे हुए जोहड़ों (Ponds) को नहर से जुड़ाया जायें एवं प्रत्येक माहिन उनमें नहरी पानी डलवाया/जुड़ाया जायें।
- (3) गाँव के राजकीय/सरकारी स्कूल में रनवाटर हार्वेस्टिंग सिस्टम (Rainwater Harvesting) बनवाया जायें।
- (4) गाँव के कुछ जोहड़ों (Ponds) की साफ - सफाई, दंडाई एवं उनका जीर्णोद्धार (Renovation) किया जायें।

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	Date: - 25/07/23 Venu: - सरपंच निवास Phone no Signature	
1	सगीता	f	OBC	गृहणी	No	No	0	9306135572	सगीता
2	रुविता	f	OBC	गृहणी	No	No	0	9355827792	रुविता
3	लक्ष्मी	f	OBC	गृहणी	No	No	0	8295041465	लक्ष्मी
4	प्रमोदा	f	OBC	गृहणी	No	No	0	9896130796	प्रमोदा
5	अनिता	f	OBC	गृहणी	No	No	0	9206337085	अनिता
6	वक्ली	f	OBC	गृहणी	No	No	0	9896133190	वक्ली
7	रामकला	f	OBC	गृहणी	No	No	0	9306535572	रामकला
8	दीपा	f	OBC	गृहणी	No	No	0	7266331085	दीपा
9	रामकला	f	OBC	गृहणी	No	No	0	7266331085	रामकला
10	संतरा	f	OBC	गृहणी	No	No	0	8295041465	संतरा
11	सुमित्रा	f	OBC	गृहणी	No	No	0	7266331085	सुमित्रा
12	यादव सिंह	M	OBC	किसान	No	No	2.5 (45)	9416907179	Yadavender Singh
13	अजय सिंह	M	OBC	किसान	No	No	1 (25)	9992462573	अजय
14	रविंद्र	M	OBC	किसान	No	No	0	9729343063	रविंद्र
15	बलवंत सिंह	M	OBC	किसान	No	No	2.5 (35)	9466317013	Balwans
16	नरेश कुमार	M	OBC	सरपंच	Yes	पर्यायती राज	0	9416418038	Narayan
17	विद्या देवी	F	OBC	गृहणी	No	No	0	9813462948	विद्या देवी
18	माता देवी	F	OBC	गृहणी	No	No	0	9812783128	माता देवी

Atal Bhuojana WOM Attendance Sheet, Mahendragraha, 09-09-2019

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	रेवती	F	OBC	गृहणी	NO	NO	0	930 60 55 912	रेवती देवी
2	सुमन	F	OBC	गृहणी	NO	NO	0	9896 449075	सुमन
3	कुल्देव	M	OBC	दाता	NO	NO	0	8295041465	Kuldeep
4	काबलाल	M	OBC	किसान	NO	NO	2.1 अकड	9996 449210	काबलाल
5	पवन कुमार	M	OBC	किसान	NO	NO	2 अकड	9416910252	पवन कुमार
6	पुवेंश यादव	M	OBC	किसान	NO	NO	0	9729784622	पुवेंश
7	शिवशुभ्र	M	OBC	किसान	NO	NO	0	999 650 3735	शिवशुभ्र
8	शर्मिला	F	OBC	दाता	NO	NO	0	966 60 59 407	शर्मिला
9	सुमिता	F	OBC	दाता	NO	NO	0	94 66 05 9407	सुमिता
10	मंजीत	M	OBC	दाता	NO	NO	0	8168246202	मंजीत
11	रमेश	M	OBC	दाता	NO	NO	0	79 889 68712	रमेश
12	सपना	F	OBC	गृहणी	YES	VWSC		9991262668	सपना
13	मंजू देवी	F	SC	गृहणी	YES	VWSC		9729521253	मंजू देवी
14	ओमपाल	M	OBC	किसान	YES	VWSC		989664404	ओमपाल
15	संजय	M	OBC	किसान	YES	VWSC		9992225547	संजय
16	सुमन	F	SC	गृहणी	YES	VWSC		9896449075	सुमन
17	मंजू देवी	F	SC	गृहणी	YES	VWSC		9729521253	मंजू देवी
18	देवेंद्र सिंह	M	OBC	किसान	YES	VWSC		9518263124	देवेंद्र सिंह